

Appendix Test Data

Report No.:	1819C40018012501	Test Sample No.:	1-2-2
Start Test Date:	2024.09.05	Finish Test Date:	2024.09.14
Test Engineer:	Joker Huang	Auditor:	Justin Feng
Temperature:	22.3℃	Relative Humidity:	49%
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	0.948	2401.529	2402.477	---	---
DH5	Ant1	2441	0.945	2440.532	2441.477	---	---
DH5	Ant1	2480	0.948	2479.526	2480.474	---	---
2DH5	Ant1	2402	1.317	2401.331	2402.648	---	---
2DH5	Ant1	2441	1.296	2440.352	2441.648	---	---
2DH5	Ant1	2480	1.320	2479.328	2480.648	---	---
3DH5	Ant1	2402	1.290	2401.343	2402.633	---	---
3DH5	Ant1	2441	1.272	2440.343	2441.615	---	---
3DH5	Ant1	2480	1.281	2479.355	2480.636	---	---



Test Graphs



DH5-Ant1-2402



DH5-Ant1-2441



DH5-Ant1-2480

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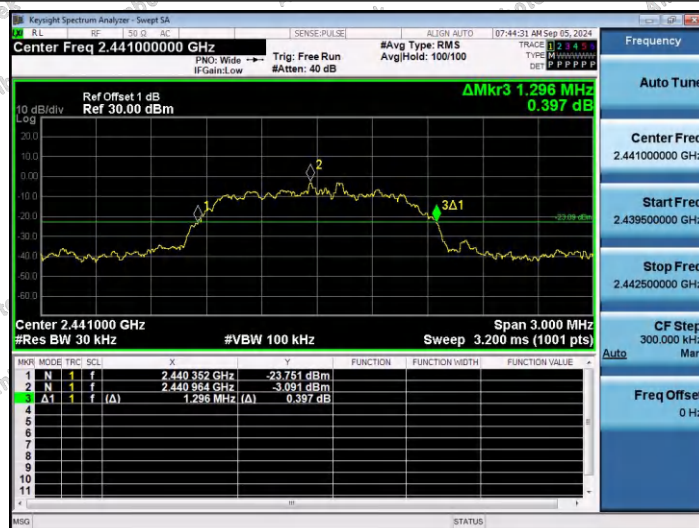


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2DH5-Ant1-2402



2DH5-Ant1-2441



2DH5-Ant1-2480

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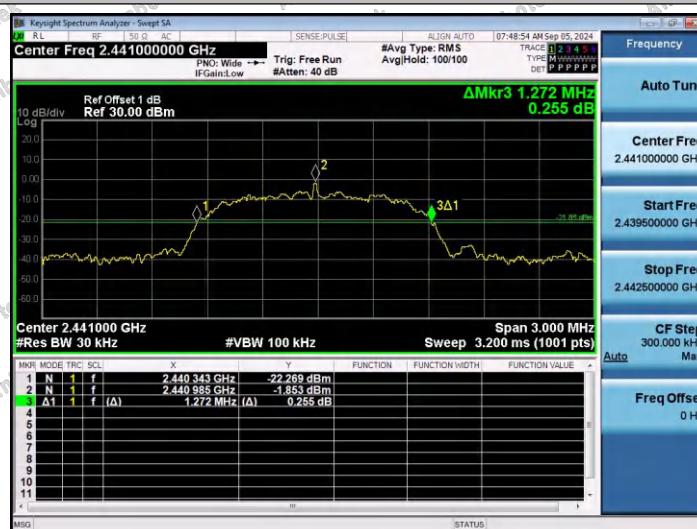
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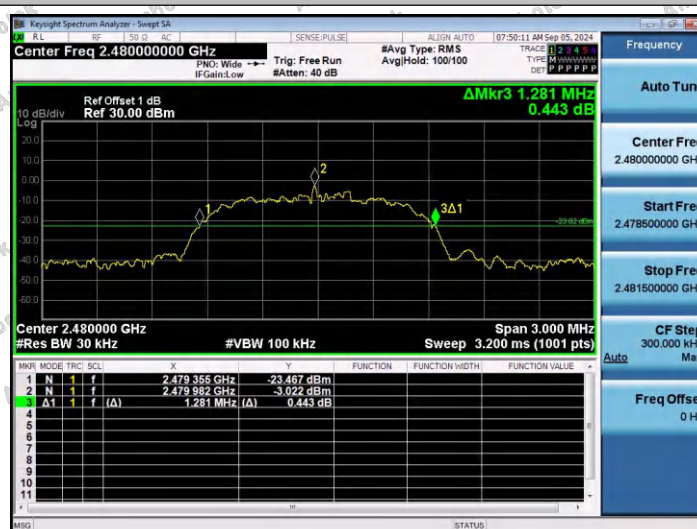




3DH5-Ant1-2402



3DH5-Ant1-2441



3DH5-Ant1-2480

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Appendix B: 99% Occupied Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.82508	2401.5742	2402.3993	---	---
DH5	Ant1	2441	0.82353	2440.5791	2441.4026	---	---
DH5	Ant1	2480	0.82495	2479.5729	2480.3978	---	---
2DH5	Ant1	2402	1.1902	2401.3977	2402.5879	---	---
2DH5	Ant1	2441	1.1973	2440.3937	2441.5910	---	---
2DH5	Ant1	2480	1.1834	2479.3959	2480.5793	---	---
3DH5	Ant1	2402	1.1908	2401.3931	2402.5839	---	---
3DH5	Ant1	2441	1.1840	2440.3978	2441.5818	---	---
3DH5	Ant1	2480	1.1747	2479.3992	2480.5739	---	---



Test Graphs



DH5-Ant1-2402



DH5-Ant1-2441



DH5-Ant1-2480

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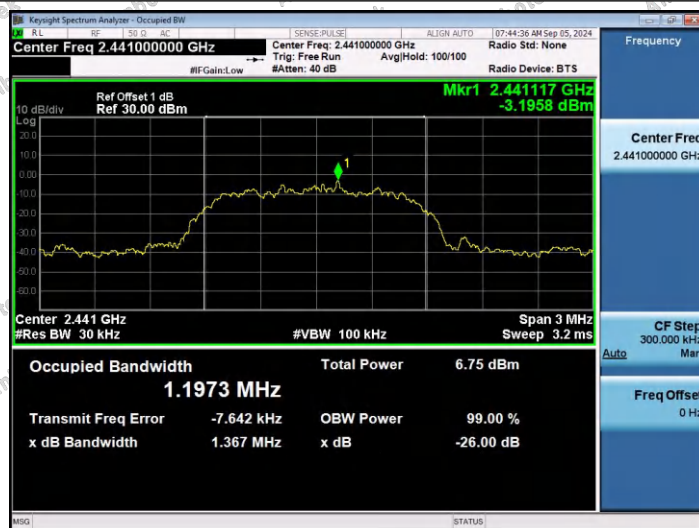


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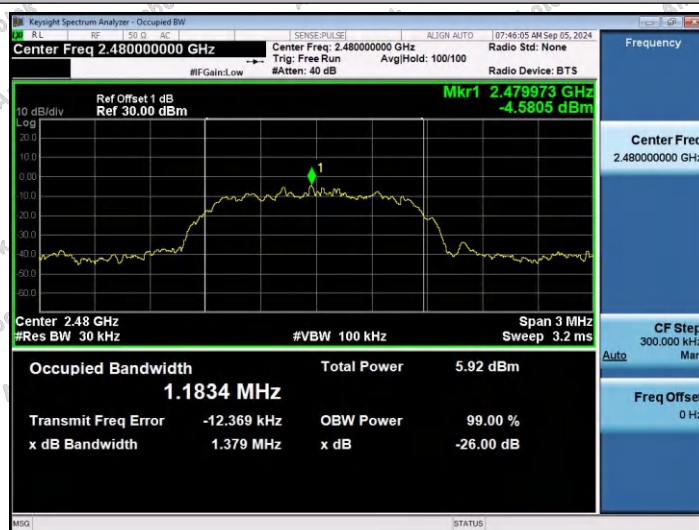




2DH5-Ant1-2402



2DH5-Ant1-2441



2DH5-Ant1-2480

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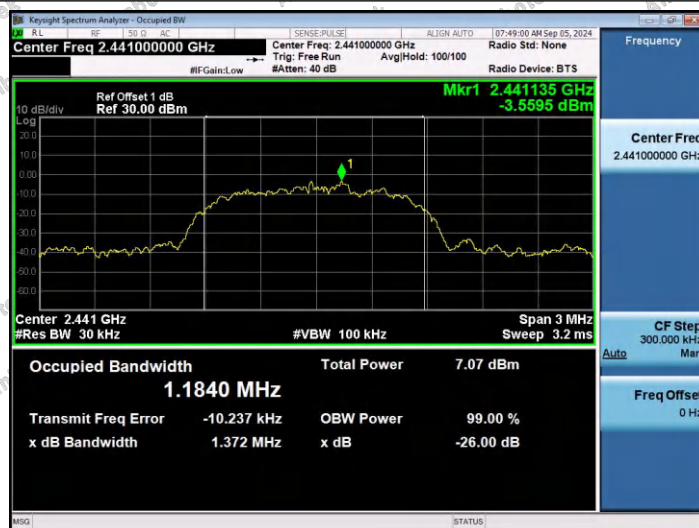
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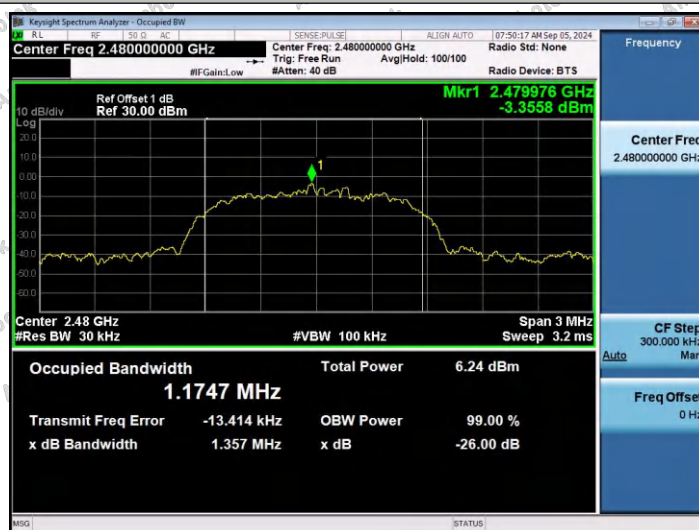




3DH5-Ant1-2402



3DH5-Ant1-2441



3DH5-Ant1-2480

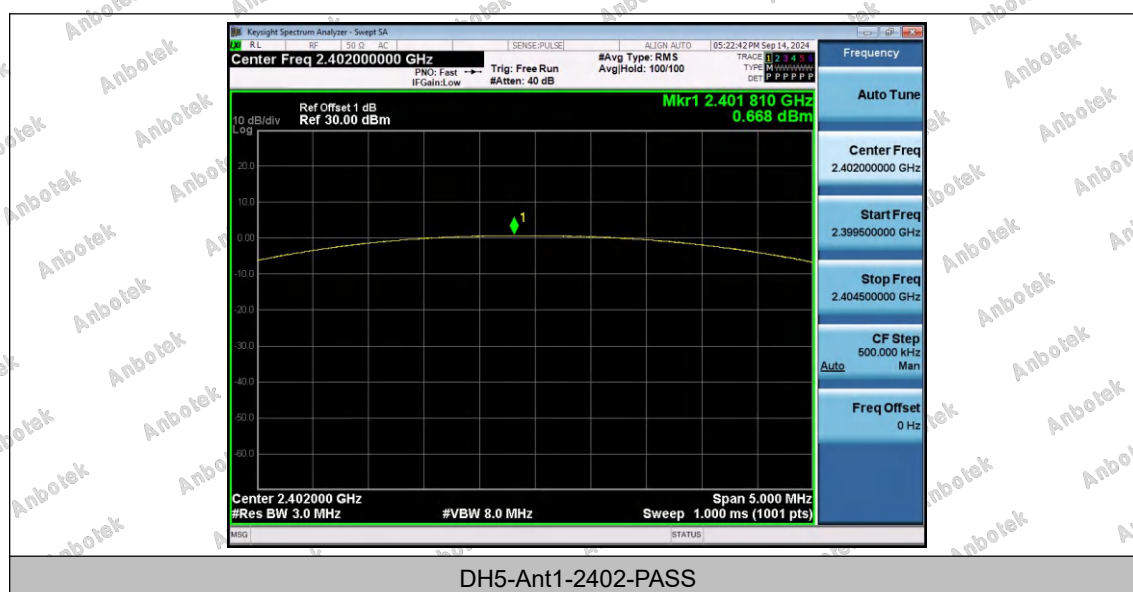


Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.67	≤20.97	PASS
DH5	Ant1	2441	1.08	≤20.97	PASS
DH5	Ant1	2480	0.55	≤20.97	PASS
2DH5	Ant1	2402	3.83	≤20.97	PASS
2DH5	Ant1	2441	3.05	≤20.97	PASS
2DH5	Ant1	2480	2.01	≤20.97	PASS
3DH5	Ant1	2402	4.50	≤20.97	PASS
3DH5	Ant1	2441	3.68	≤20.97	PASS
3DH5	Ant1	2480	2.69	≤20.97	PASS

Test Graphs

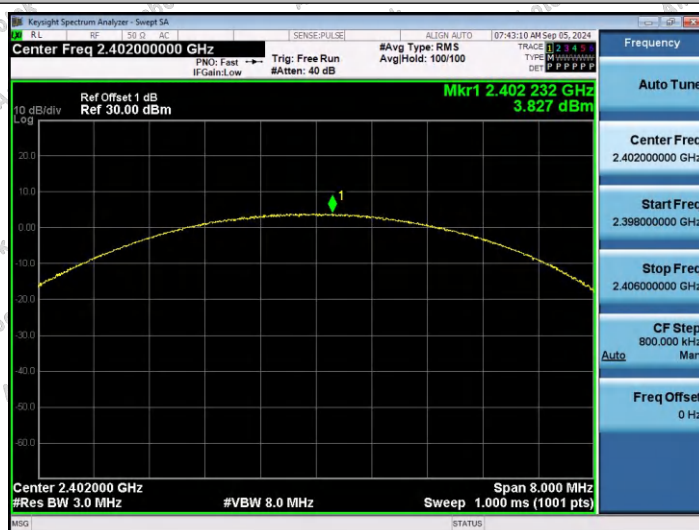




DH5-Ant1-2441-PASS



DH5-Ant1-2480-PASS



2DH5-Ant1-2402-PASS

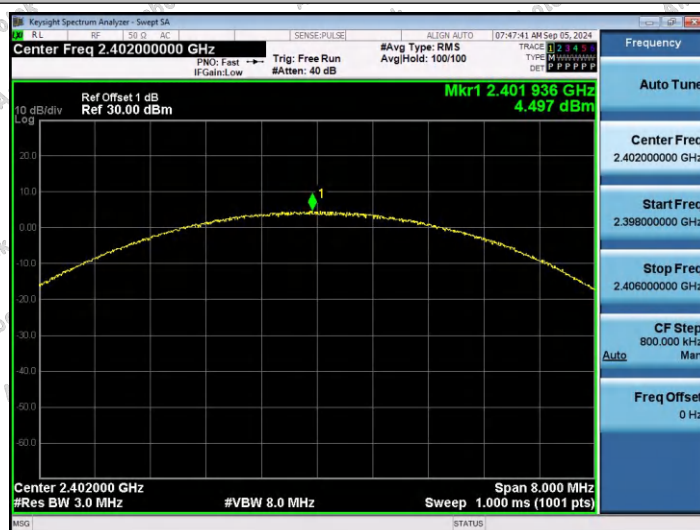




2DH5-Ant1-2441-PASS

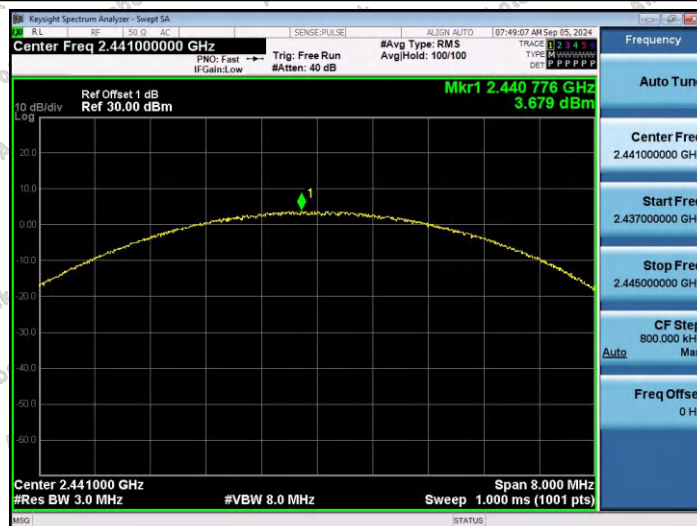


2DH5-Ant1-2480-PASS

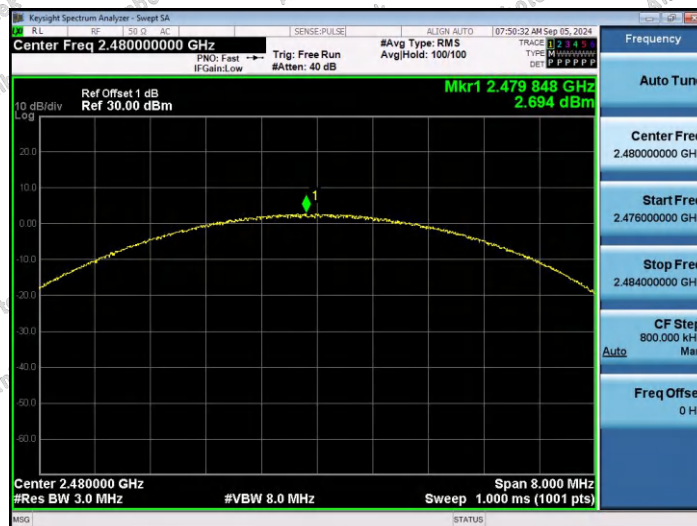


3DH5-Ant1-2402-PASS





3DH5-Ant1-2441-PASS



3DH5-Ant1-2480-PASS



Appendix D: Carrier frequency separation

Test Result

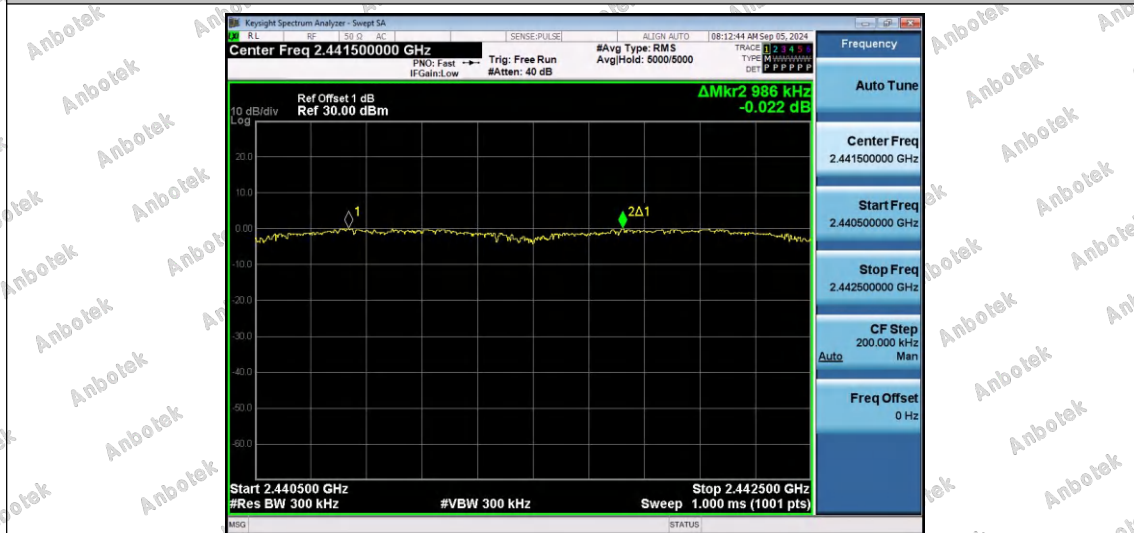
TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.32	≥0.632	PASS
2DH5	Ant1	Hop	0.986	≥0.880	PASS
3DH5	Ant1	Hop	1.332	≥0.860	PASS



Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS

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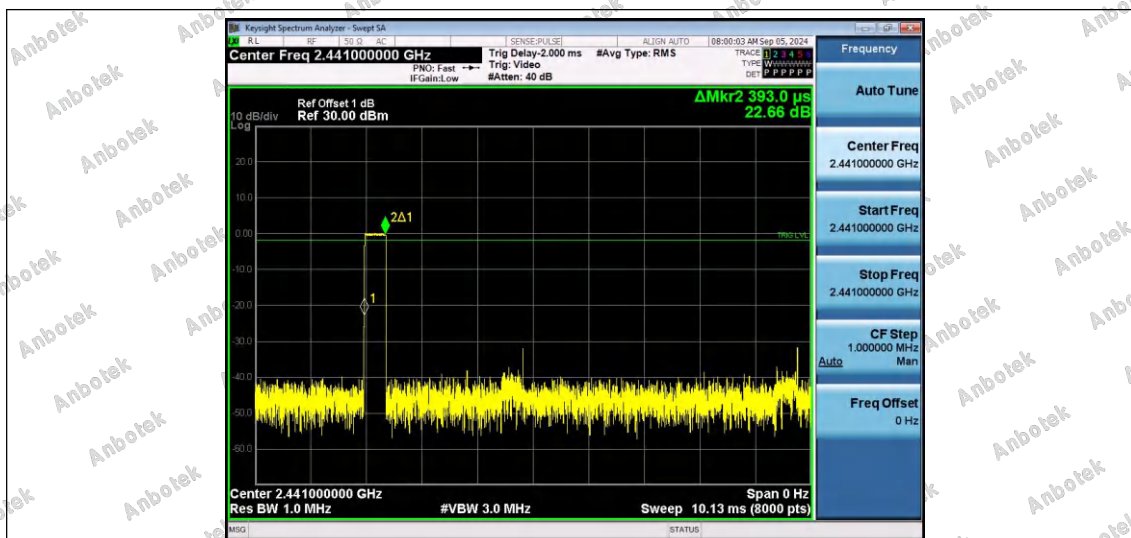
Appendix E: Dwell Time

Test Result

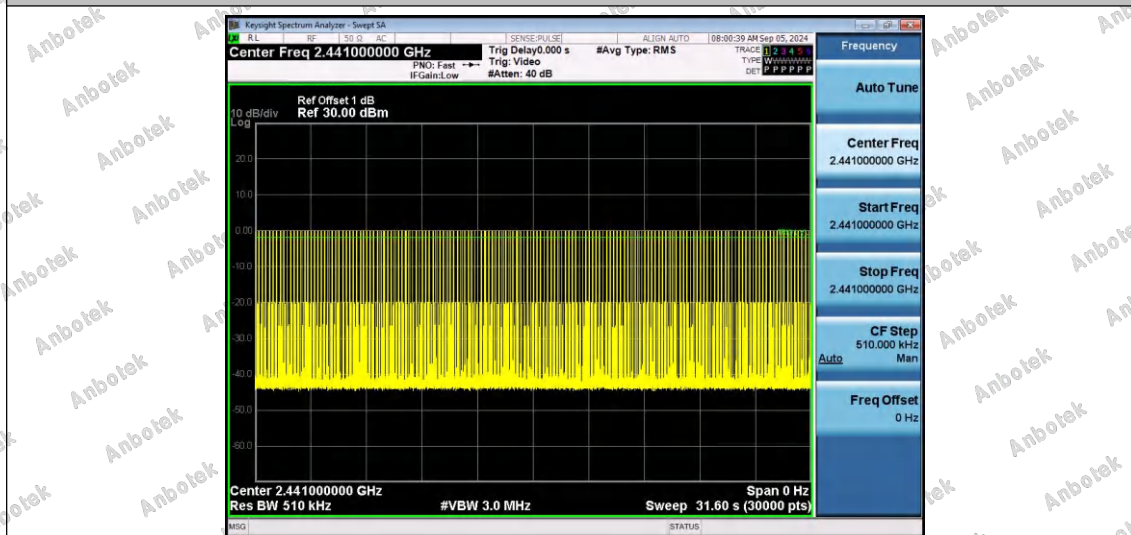
TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.393	313	0.123	≤0.4	PASS
DH3	Ant1	Hop	1.649	157	0.259	≤0.4	PASS
DH5	Ant1	Hop	2.897	110	0.319	≤0.4	PASS
2DH1	Ant1	Hop	0.402	311	0.125	≤0.4	PASS
2DH3	Ant1	Hop	1.654	163	0.27	≤0.4	PASS
2DH5	Ant1	Hop	2.902	113	0.328	≤0.4	PASS
3DH1	Ant1	Hop	0.404	312	0.126	≤0.4	PASS
3DH3	Ant1	Hop	1.654	161	0.266	≤0.4	PASS
3DH5	Ant1	Hop	2.904	114	0.331	≤0.4	PASS



Test Graphs



DH1-Ant1-Hop-PASS



DH3-Ant1-Hop-PASS

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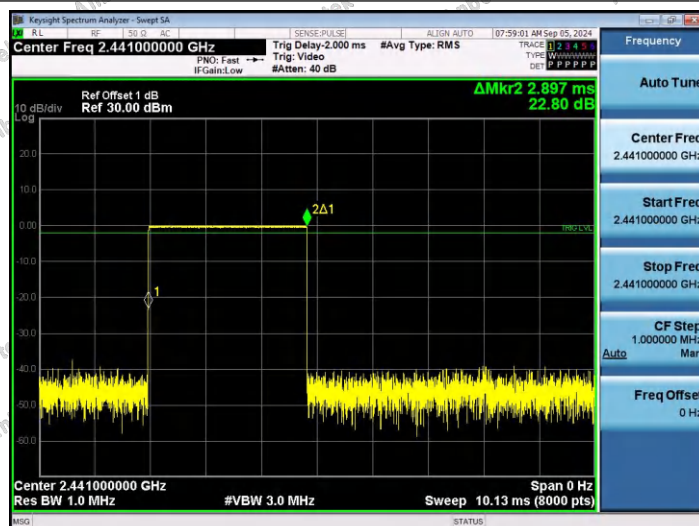
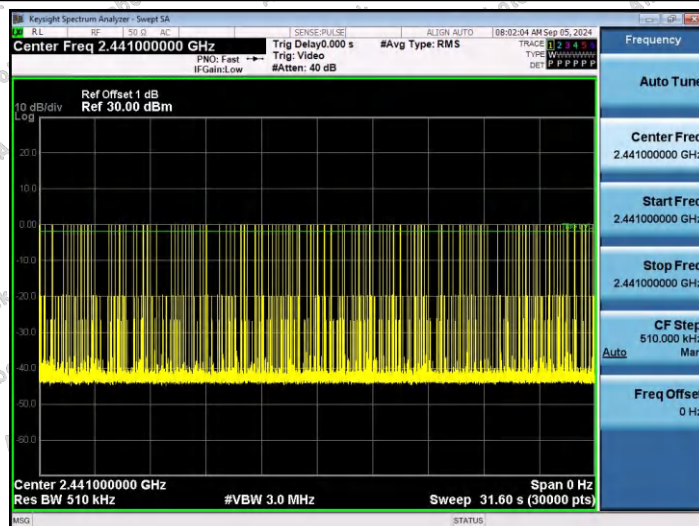
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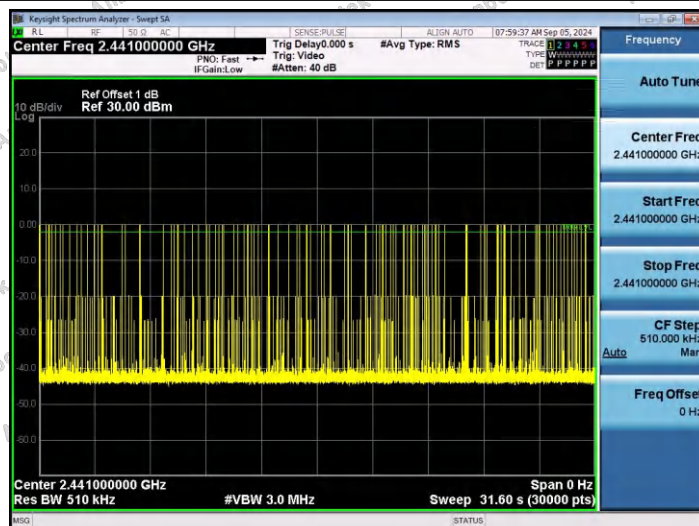
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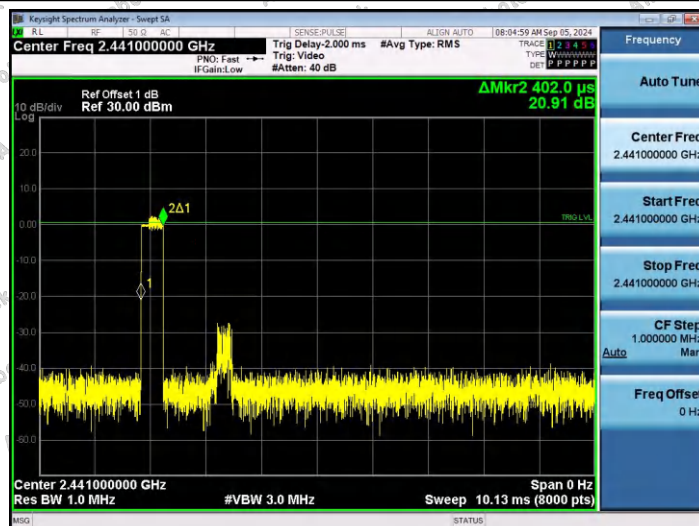
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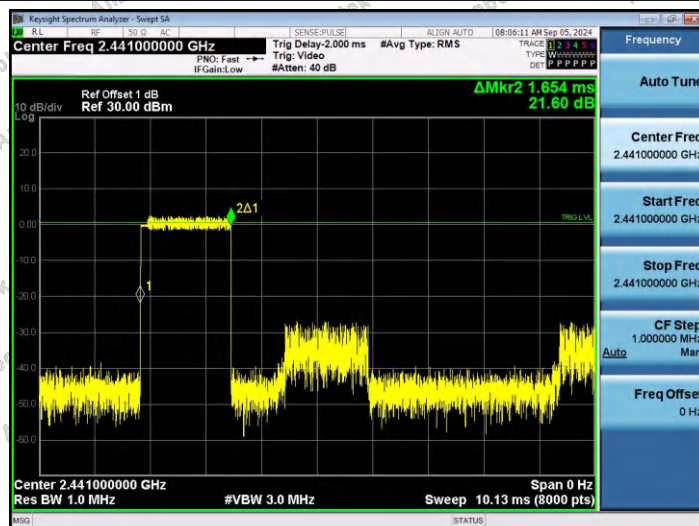
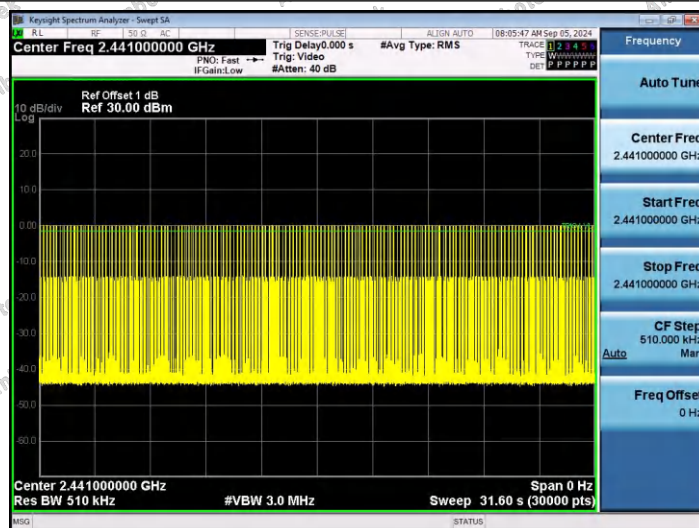


DH5-Ant1-Hop-PASS



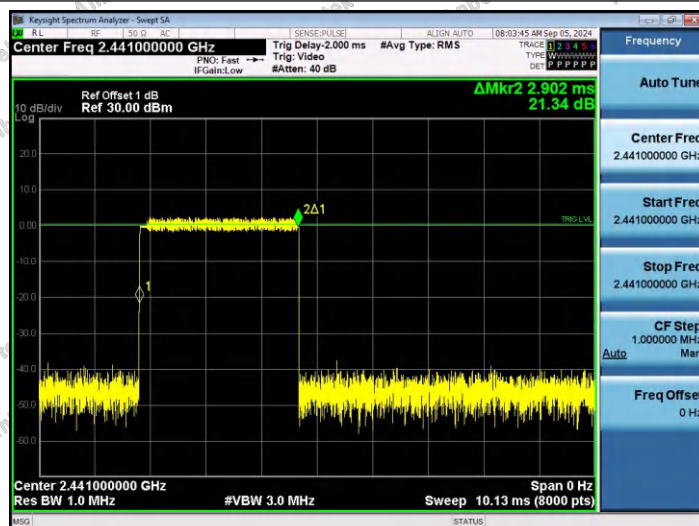
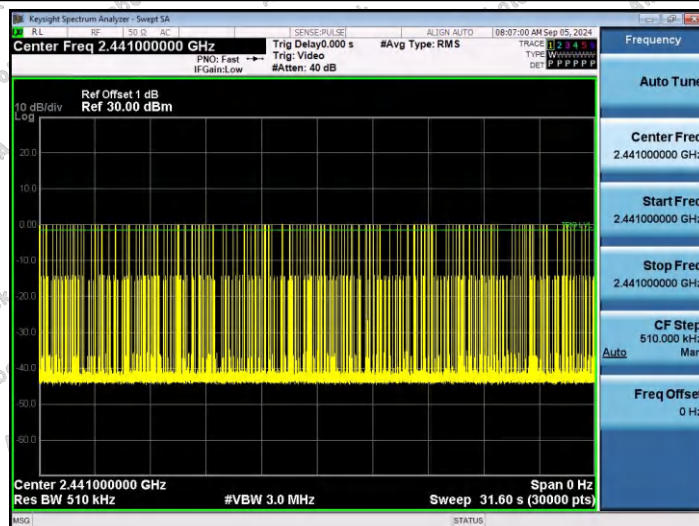


2DH1-Ant1-Hop-PASS

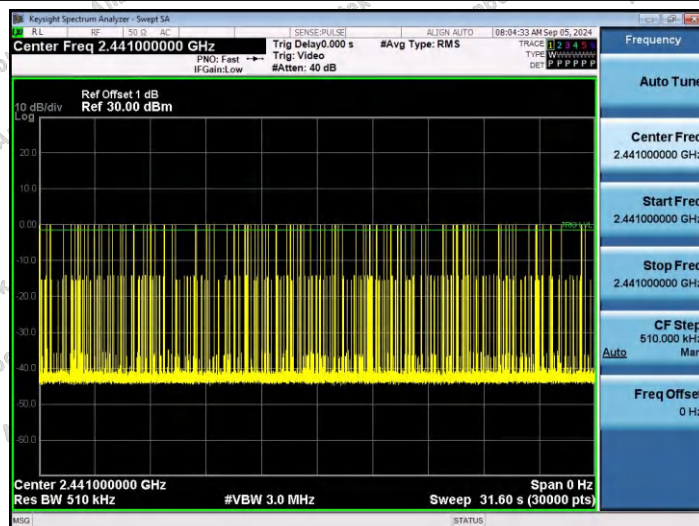


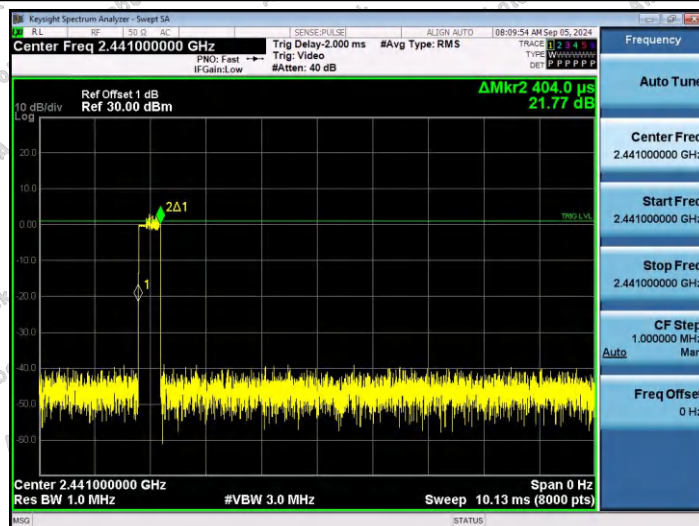
2DH3-Ant1-Hop-PASS



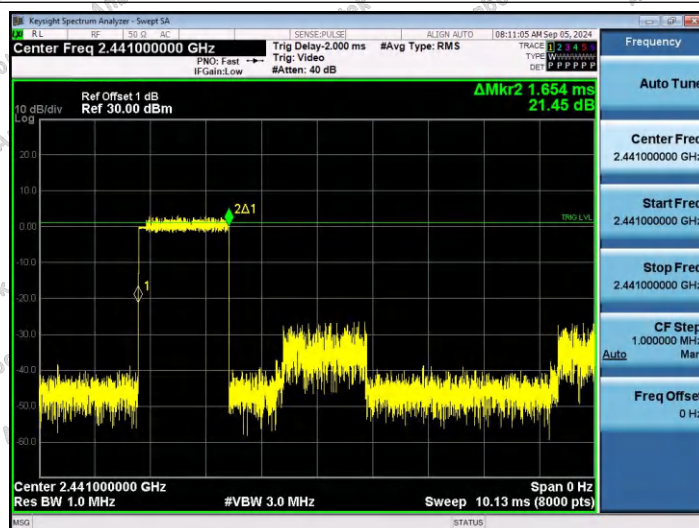
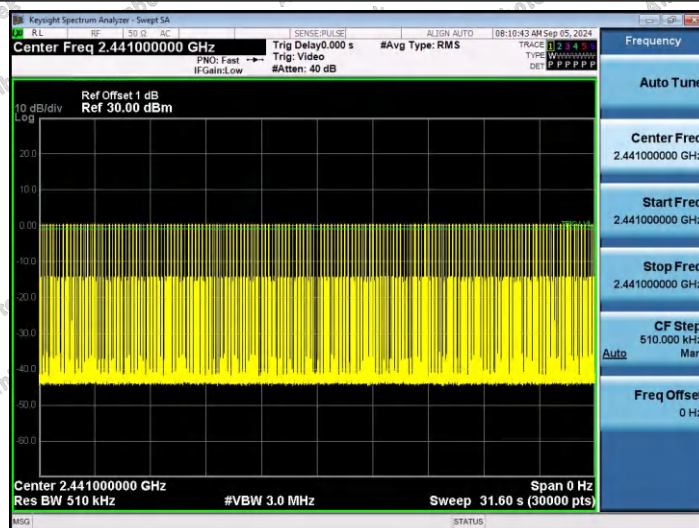


2DH5-Ant1-Hop-PASS



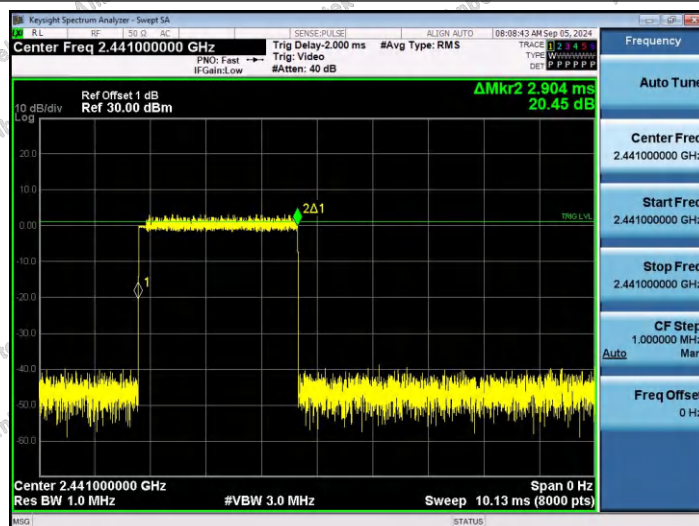
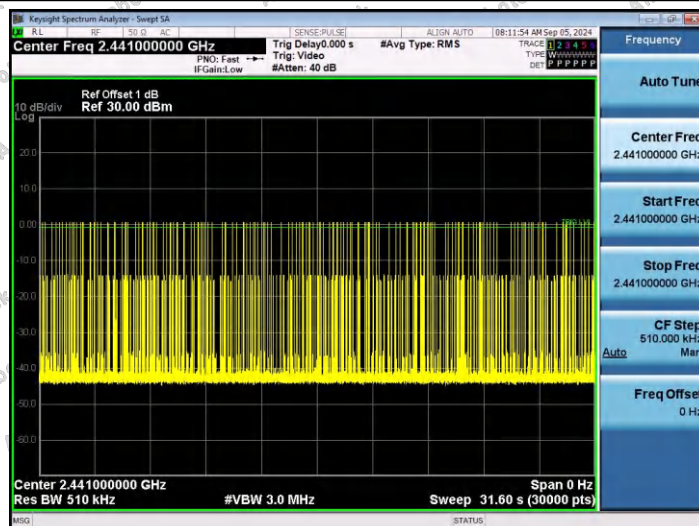


3DH1-Ant1-Hop-PASS

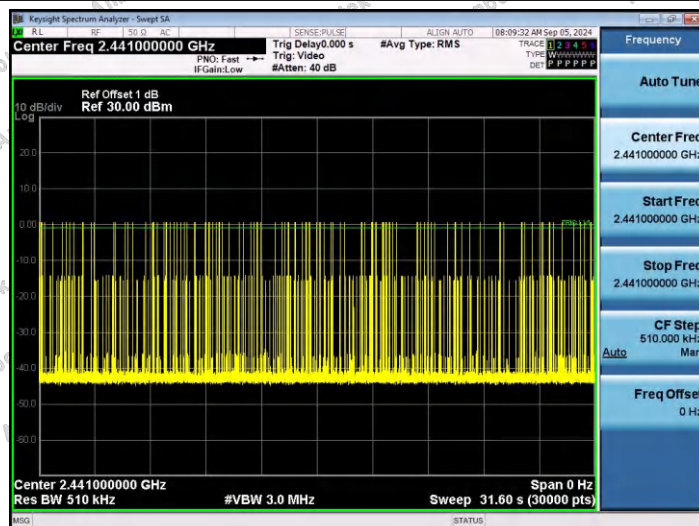


3DH3-Ant1-Hop-PASS





3DH5-Ant1-Hop-PASS



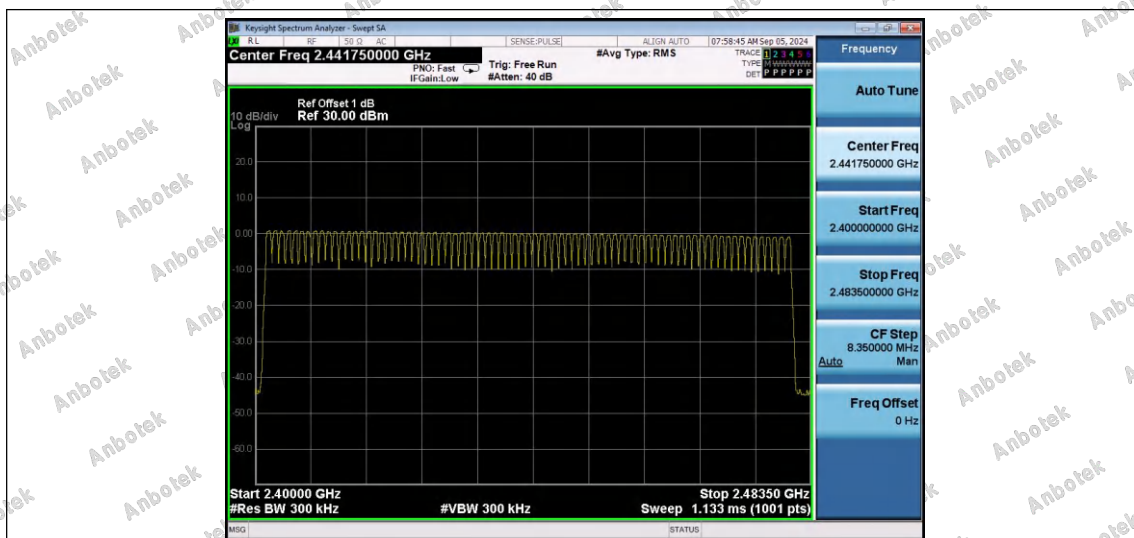
Appendix F: Number of Hopping Channel

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



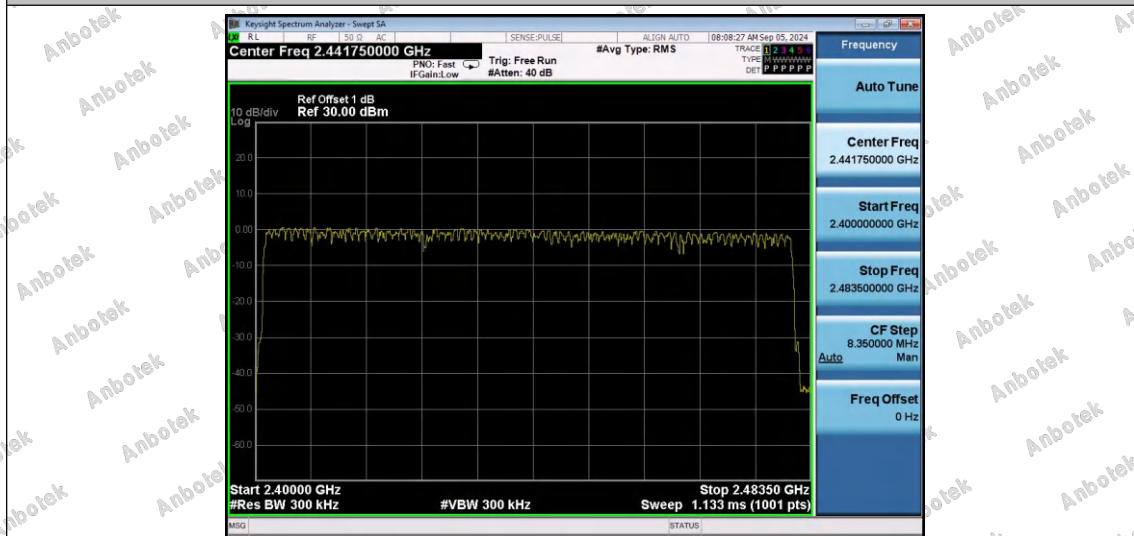
Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS

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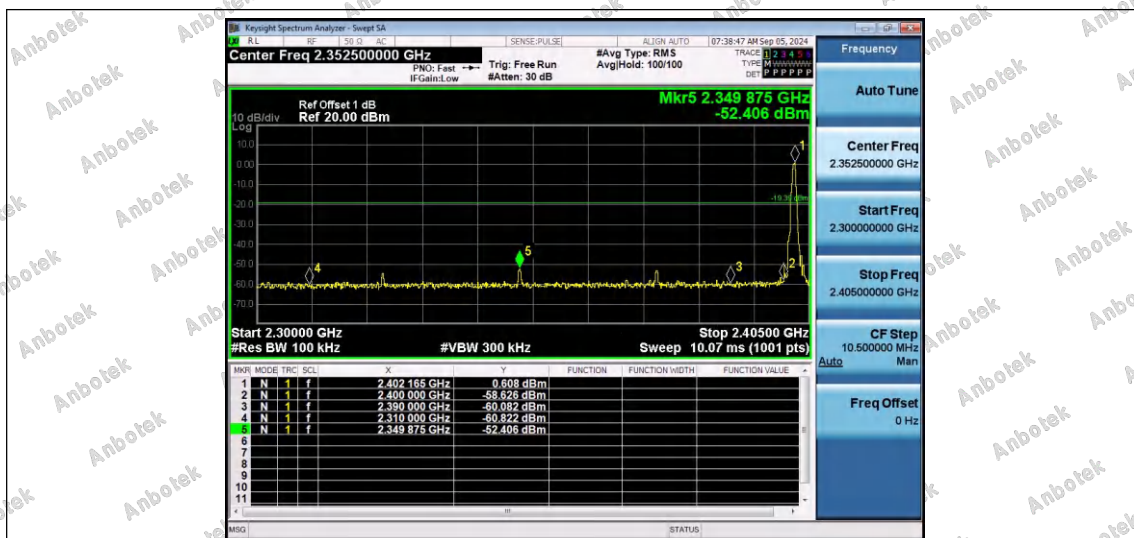
Appendix G: Conducted Band edge

Test Result

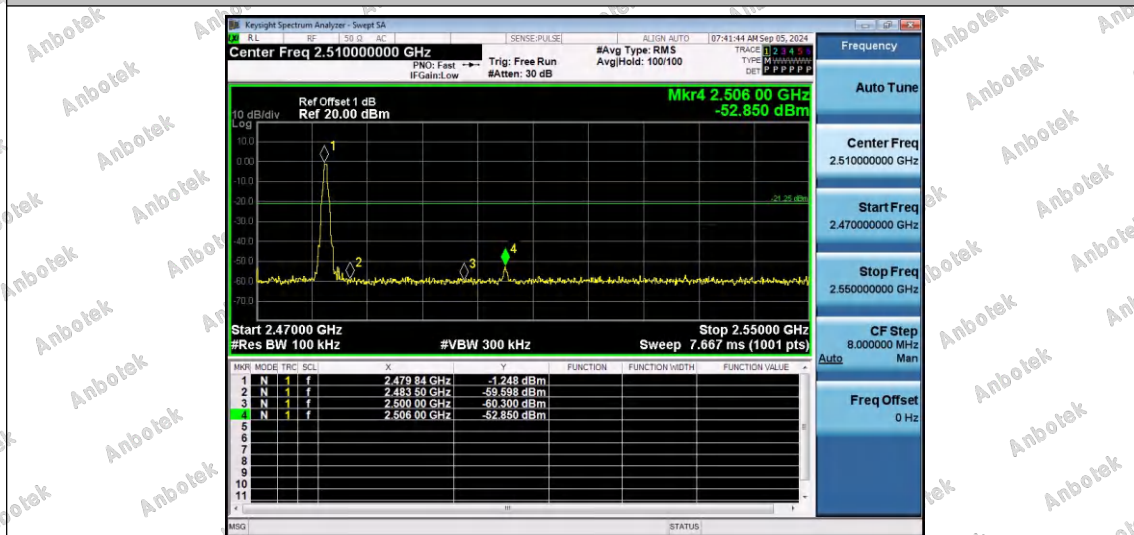
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.61	-52.41	≤-19.39	PASS
DH5	Ant1	High	2480	-1.25	-52.85	≤-21.25	PASS
DH5	Ant1	Low	Hop_2402	0.43	-50.97	≤-19.58	PASS
DH5	Ant1	High	Hop_2480	-1.12	-51.63	≤-21.12	PASS
2DH5	Ant1	Low	2402	-0.38	-48.06	≤-20.38	PASS
2DH5	Ant1	High	2480	-1.53	-53.63	≤-21.53	PASS
2DH5	Ant1	Low	Hop_2402	-1.76	-49.76	≤-21.76	PASS
2DH5	Ant1	High	Hop_2480	-1.32	-53.28	≤-21.32	PASS
3DH5	Ant1	Low	2402	0.61	-47.07	≤-19.39	PASS
3DH5	Ant1	High	2480	-1.12	-53.42	≤-21.12	PASS
3DH5	Ant1	Low	Hop_2402	-1.58	-48.88	≤-21.58	PASS
3DH5	Ant1	High	Hop_2480	-1.66	-53.01	≤-21.66	PASS



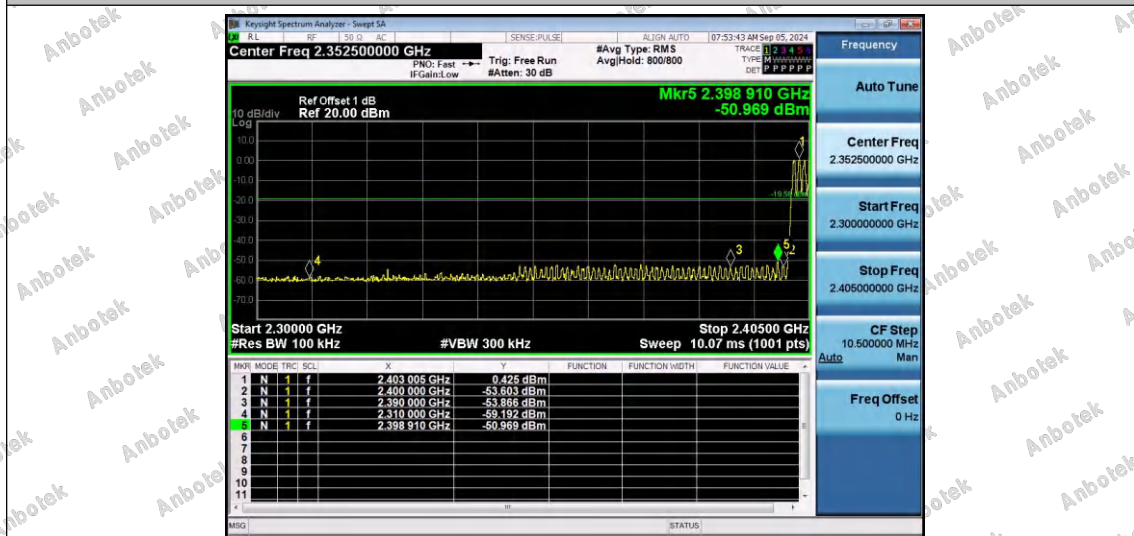
Test Graphs



DH5-Ant1-2402-PASS



DH5-Ant1-2480-PASS



DH5-Ant1-Hop_2402-PASS

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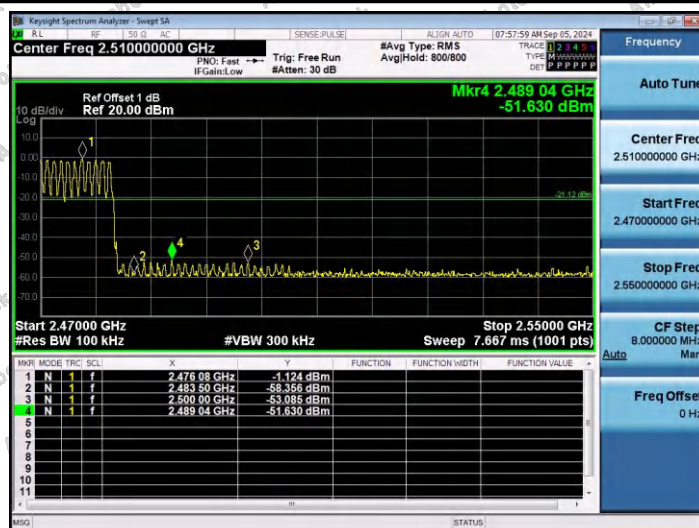
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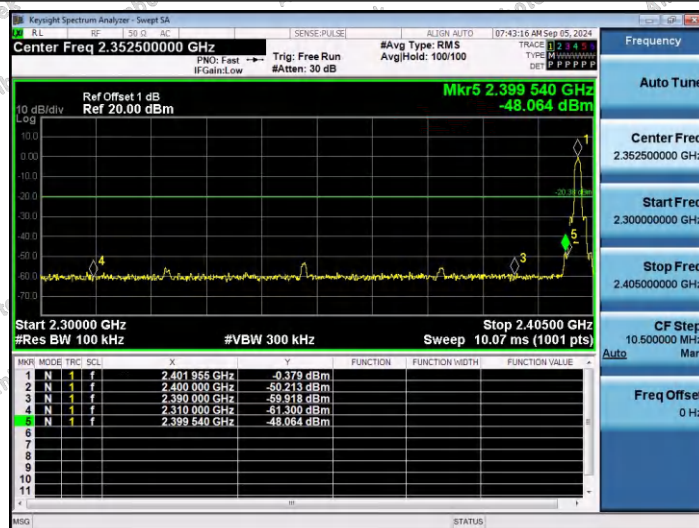
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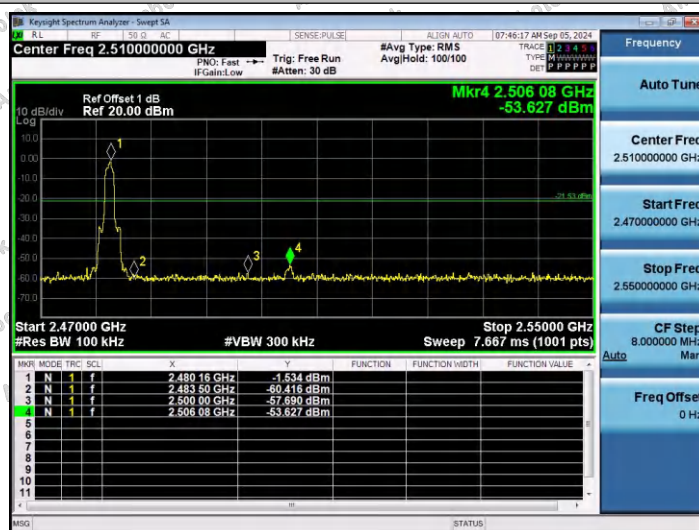




DH5-Ant1-Hop_2480-PASS



2DH5-Ant1-2402-PASS



2DH5-Ant1-2480-PASS

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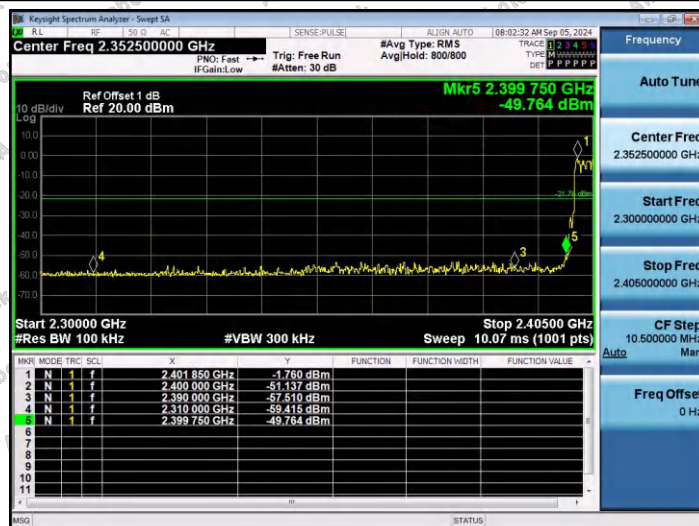
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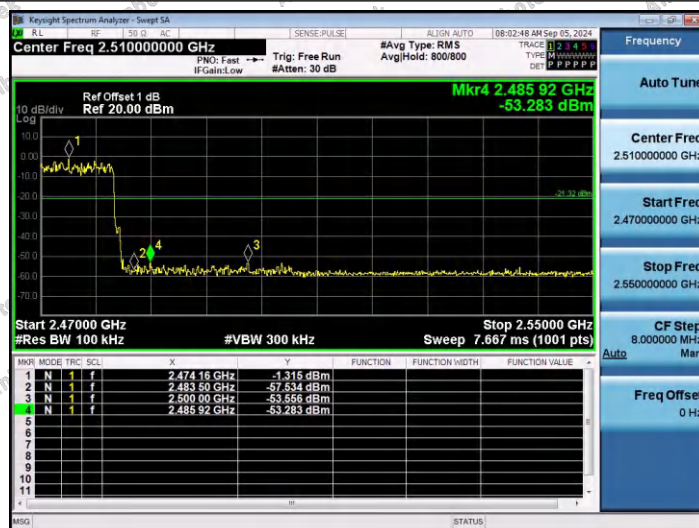
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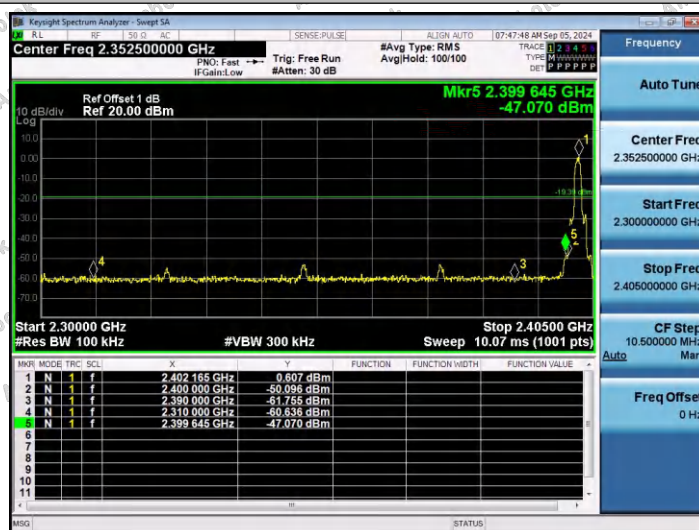




2DH5-Ant1-Hop_2402-PASS



2DH5-Ant1-Hop_2480-PASS



3DH5-Ant1-2402-PASS

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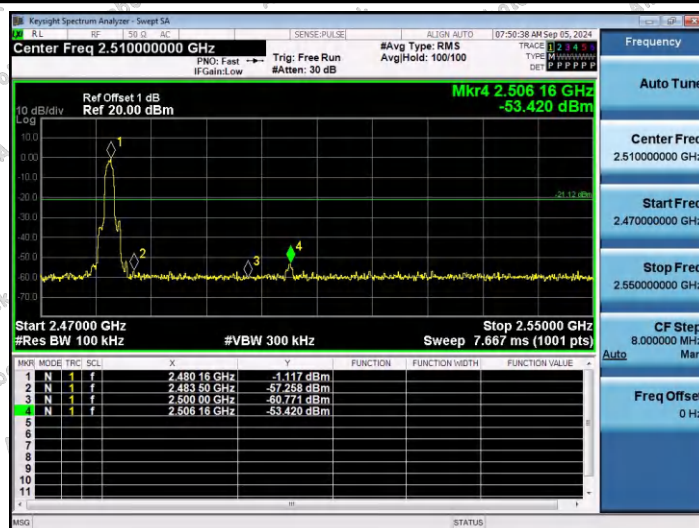
Tel: (86) 0755-26066440 Email: service@anbotek.com



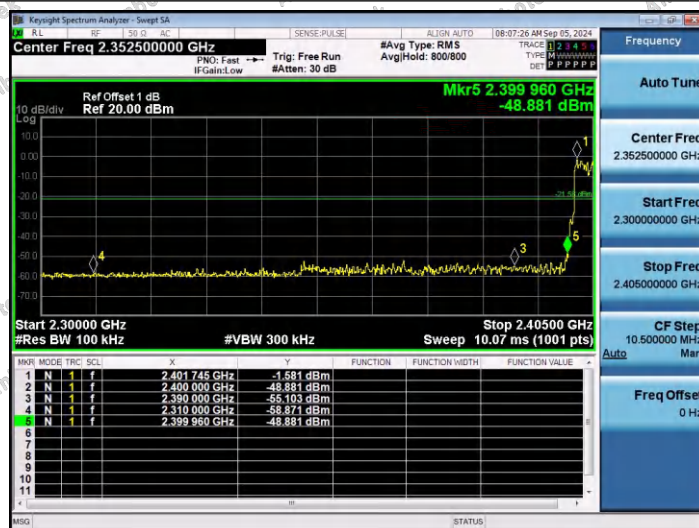
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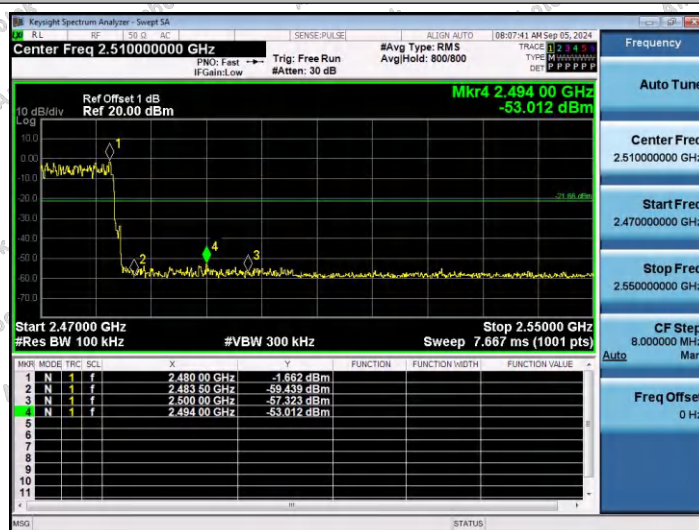




3DH5-Ant1-2480-PASS



3DH5-Ant1-Hop_2402-PASS



3DH5-Ant1-Hop_2480-PASS

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Appendix H: Conducted Spurious Emission

Test Result

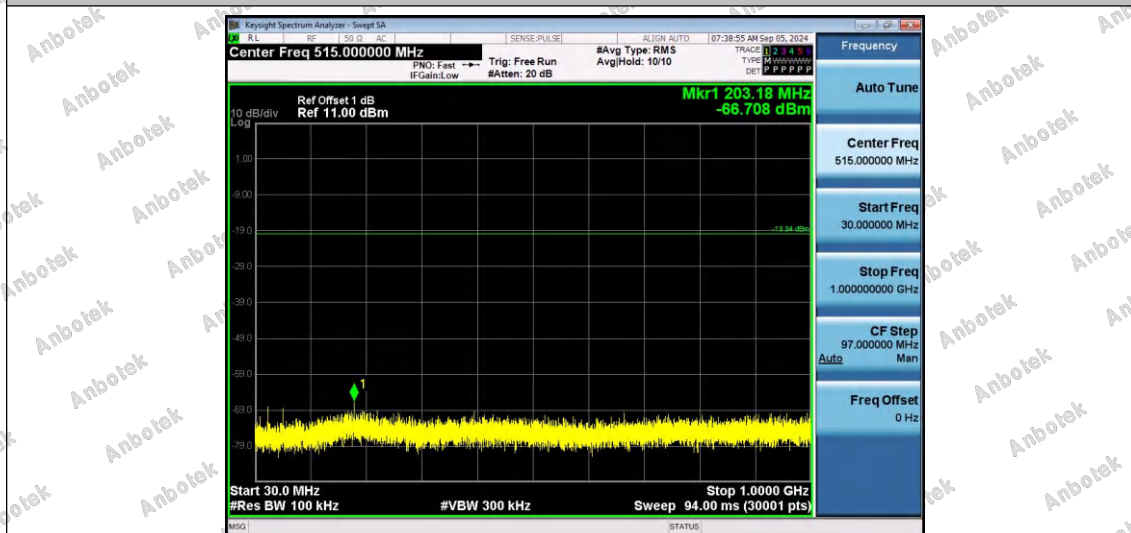
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	0.06	0.06	---	PASS
DH5	Ant1	2402	30~1000	0.06	-66.71	≤-19.94	PASS
DH5	Ant1	2402	1000~26500	0.06	-46.47	≤-19.94	PASS
DH5	Ant1	2441	0~Reference	-0.86	-0.86	---	PASS
DH5	Ant1	2441	30~1000	-0.86	-67.67	≤-20.86	PASS
DH5	Ant1	2441	1000~26500	-0.86	-45.09	≤-20.86	PASS
DH5	Ant1	2480	0~Reference	-1.35	-1.35	---	PASS
DH5	Ant1	2480	30~1000	-1.35	-63.46	≤-21.35	PASS
DH5	Ant1	2480	1000~26500	-1.35	-48.11	≤-21.35	PASS
2DH5	Ant1	2402	0~Reference	-1.17	-1.17	---	PASS
2DH5	Ant1	2402	30~1000	-1.17	-67.52	≤-21.17	PASS
2DH5	Ant1	2402	1000~26500	-1.17	-48.03	≤-21.17	PASS
2DH5	Ant1	2441	0~Reference	-2.23	-2.23	---	PASS
2DH5	Ant1	2441	30~1000	-2.23	-68.04	≤-22.23	PASS
2DH5	Ant1	2441	1000~26500	-2.23	-49.1	≤-22.23	PASS
2DH5	Ant1	2480	0~Reference	-1.90	-1.90	---	PASS
2DH5	Ant1	2480	30~1000	-1.90	-66.38	≤-21.9	PASS
2DH5	Ant1	2480	1000~26500	-1.90	-48.19	≤-21.9	PASS
3DH5	Ant1	2402	0~Reference	-1.14	-1.14	---	PASS
3DH5	Ant1	2402	30~1000	-1.14	-67.99	≤-21.14	PASS
3DH5	Ant1	2402	1000~26500	-1.14	-46.5	≤-21.14	PASS
3DH5	Ant1	2441	0~Reference	-0.60	-0.60	---	PASS
3DH5	Ant1	2441	30~1000	-0.60	-68.64	≤-20.6	PASS
3DH5	Ant1	2441	1000~26500	-0.60	-49.9	≤-20.6	PASS
3DH5	Ant1	2480	0~Reference	-1.19	-1.19	---	PASS
3DH5	Ant1	2480	30~1000	-1.19	-67.35	≤-21.19	PASS
3DH5	Ant1	2480	1000~26500	-1.19	-47.27	≤-21.19	PASS



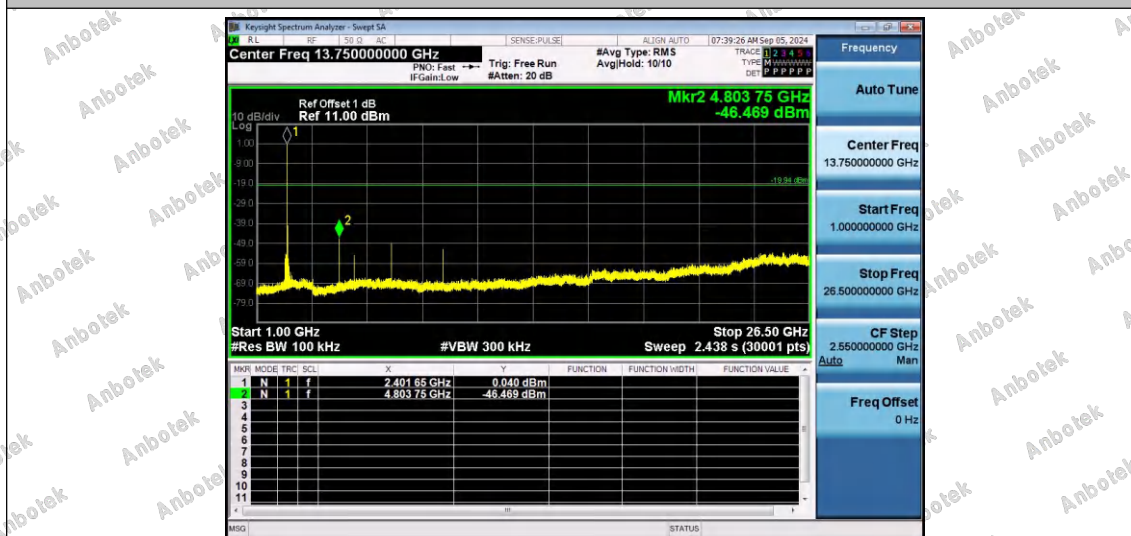
Test Graphs



DH5-Ant1-2402-0~Reference-PASS



DH5-Ant1-2402-30~1000-PASS



DH5-Ant1-2402-1000~26500-PASS

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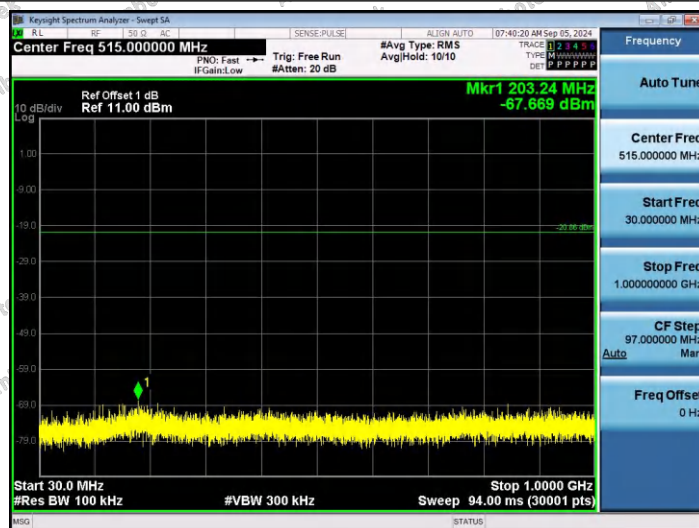
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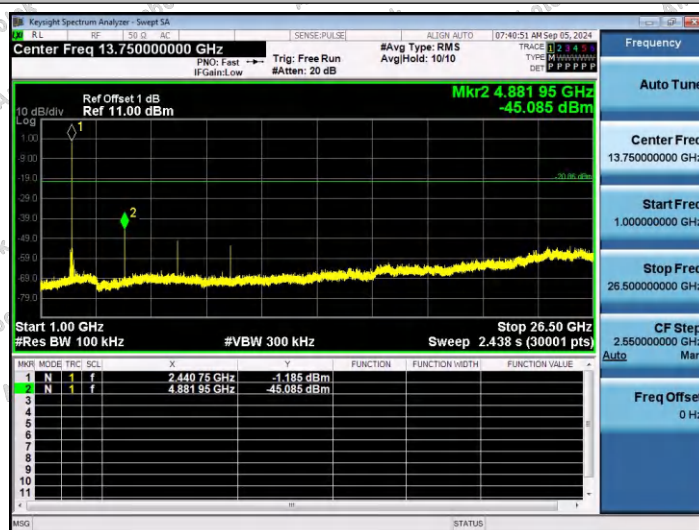




DH5-Ant1-2441-0~Reference-PASS



DH5-Ant1-2441-30~1000-PASS



DH5-Ant1-2441-1000~26500-PASS

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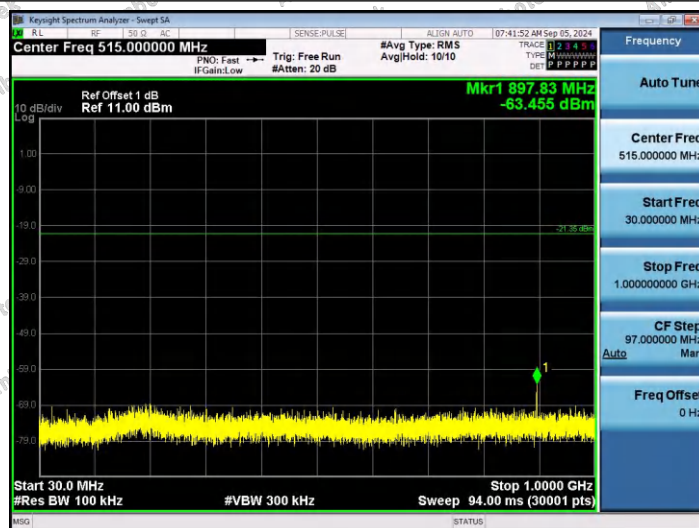
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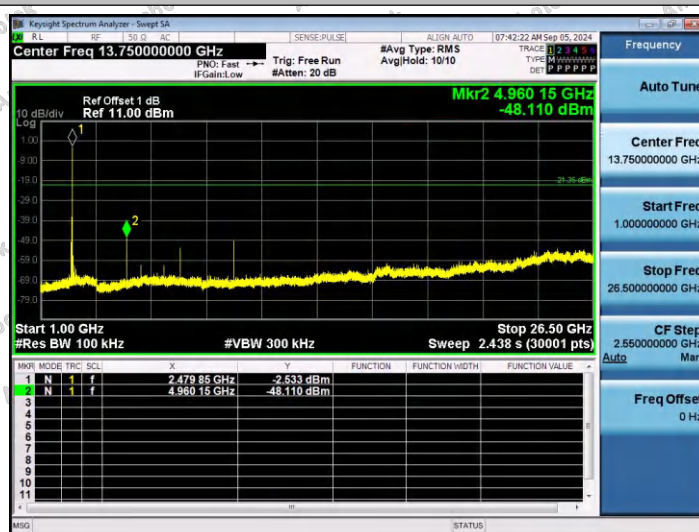




DH5-Ant1-2480-0~Reference-PASS



DH5-Ant1-2480-30~1000-PASS



DH5-Ant1-2480-1000~26500-PASS

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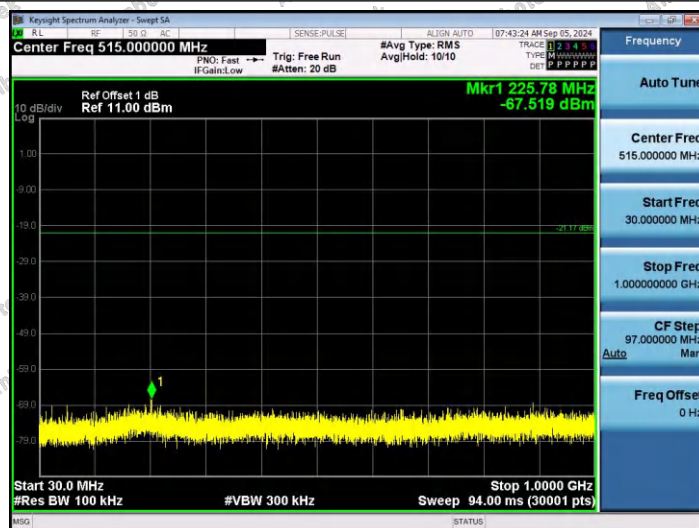
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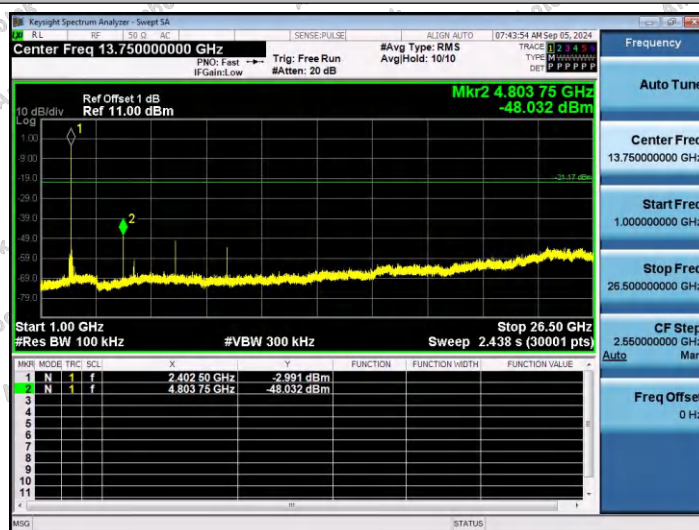




2DH5-Ant1-2402-0~Reference-PASS

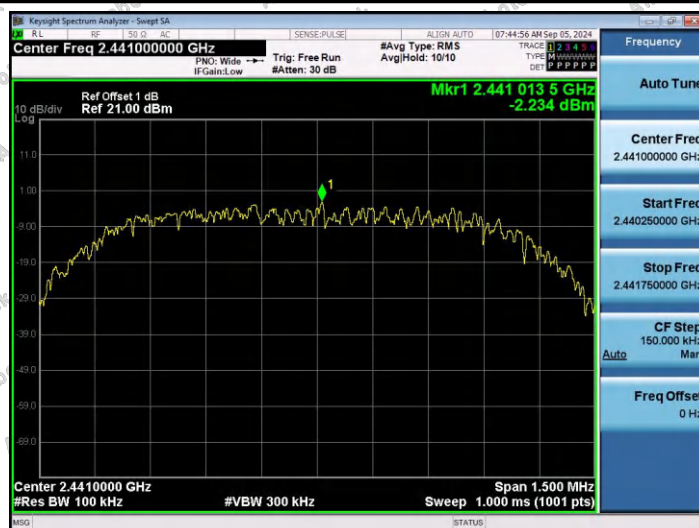


2DH5-Ant1-2402-30~1000-PASS

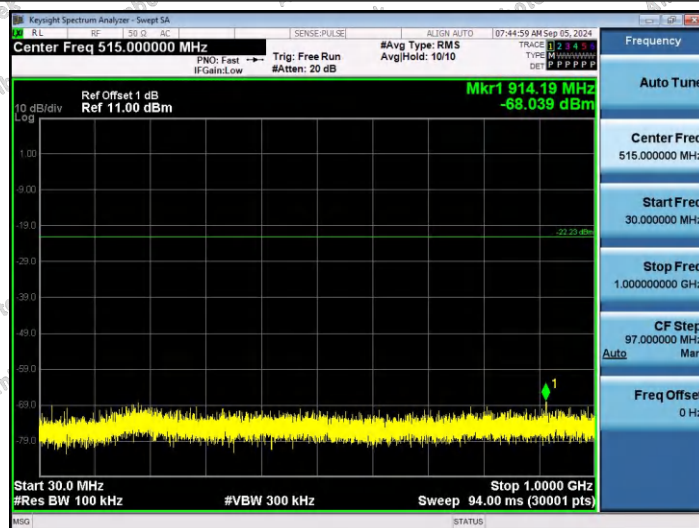


2DH5-Ant1-2402-1000~26500-PASS

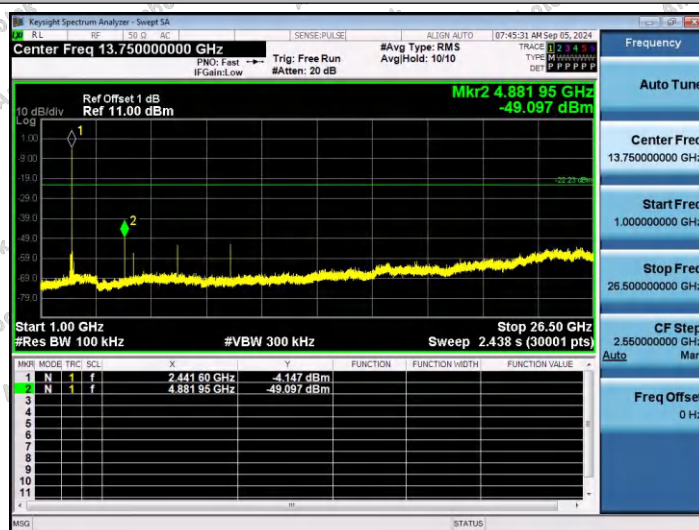




2DH5-Ant1-2441-0~Reference-PASS

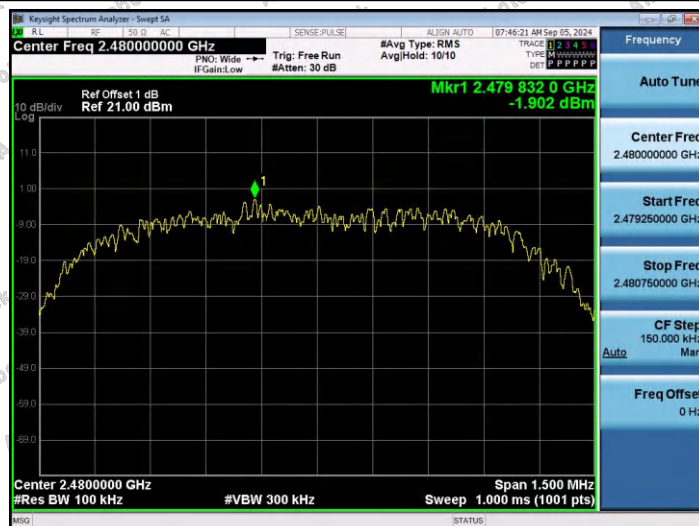


2DH5-Ant1-2441-30~1000-PASS

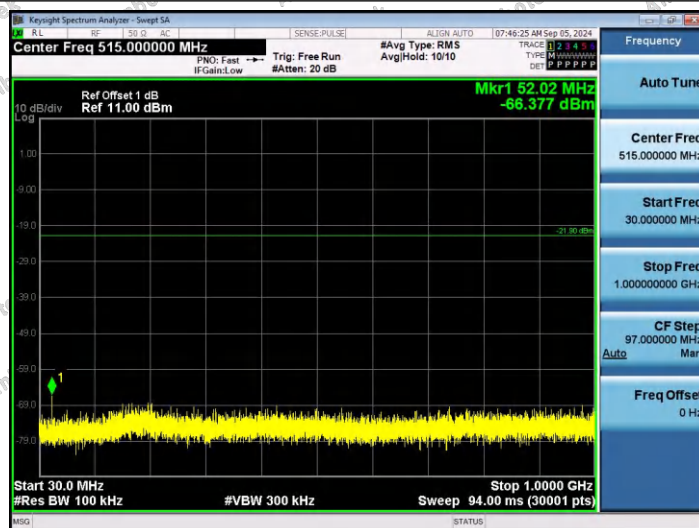


2DH5-Ant1-2441-1000~26500-PASS

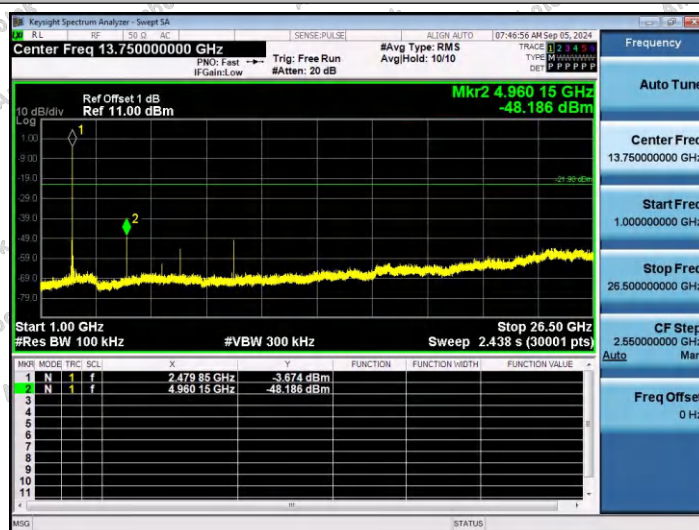




2DH5-Ant1-2480-0~Reference-PASS



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



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

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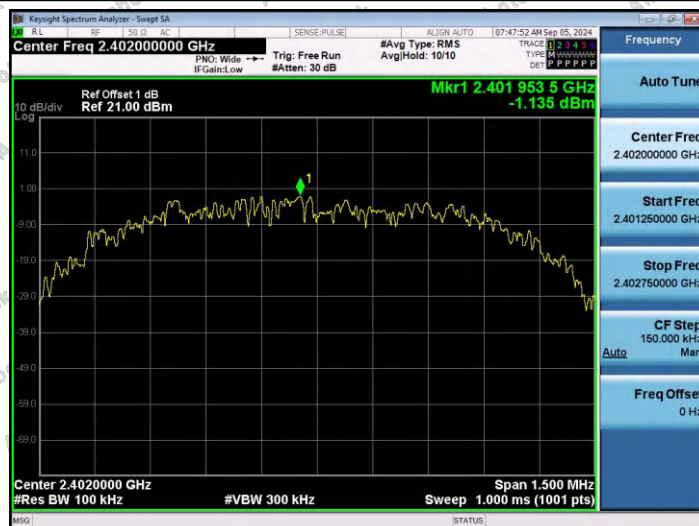
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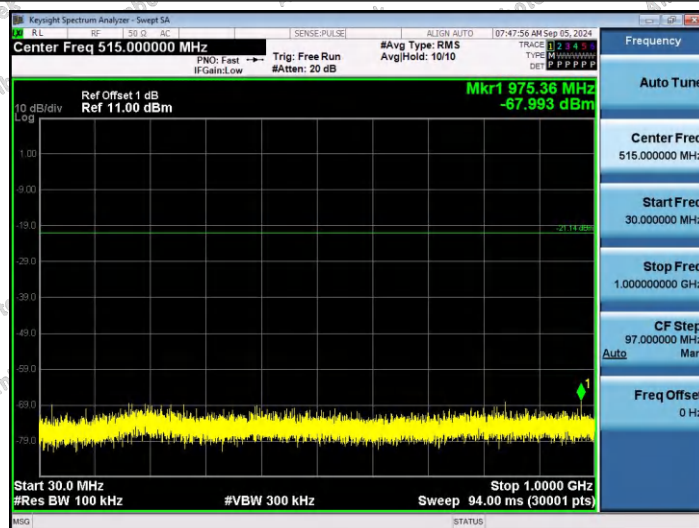
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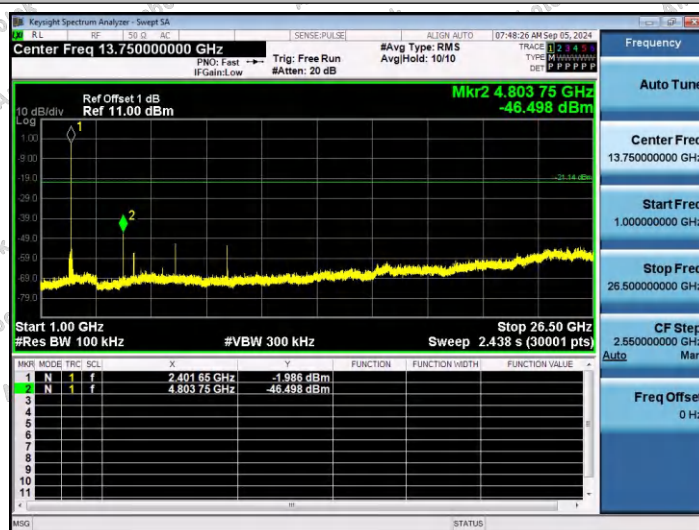




3DH5-Ant1-2402-0~Reference-PASS



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

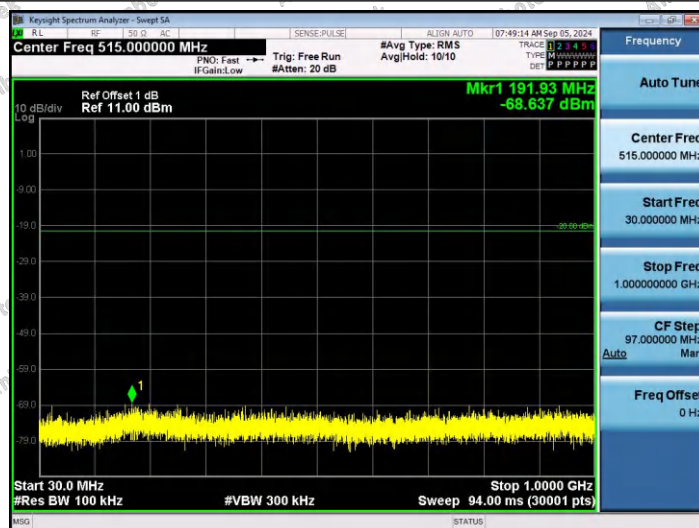


3DH5-Ant1-2402-1000~26500-PASS

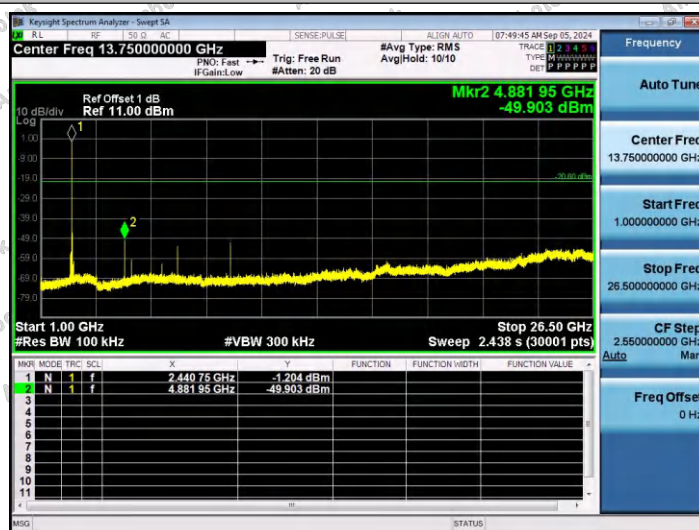




3DH5-Ant1-2441-0~Reference-PASS



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

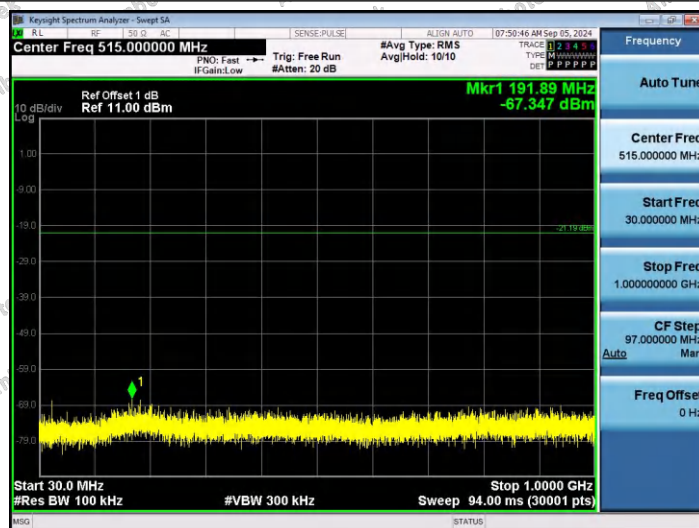


3DH5-Ant1-2441-1000~26500-PASS

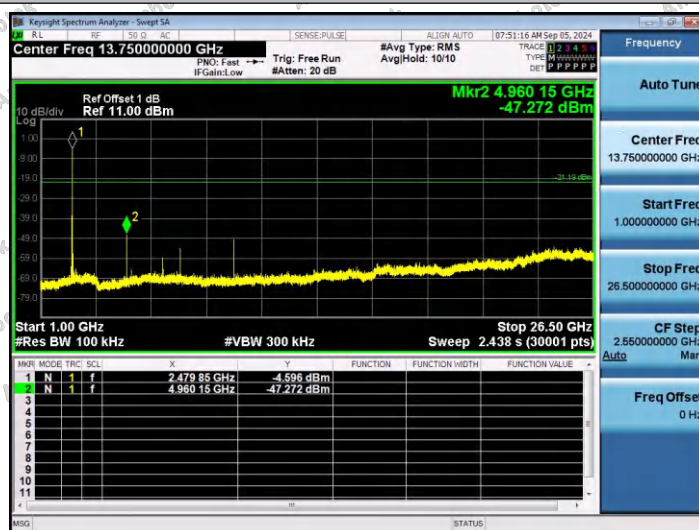




3DH5-Ant1-2480-0~Reference-PASS



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



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



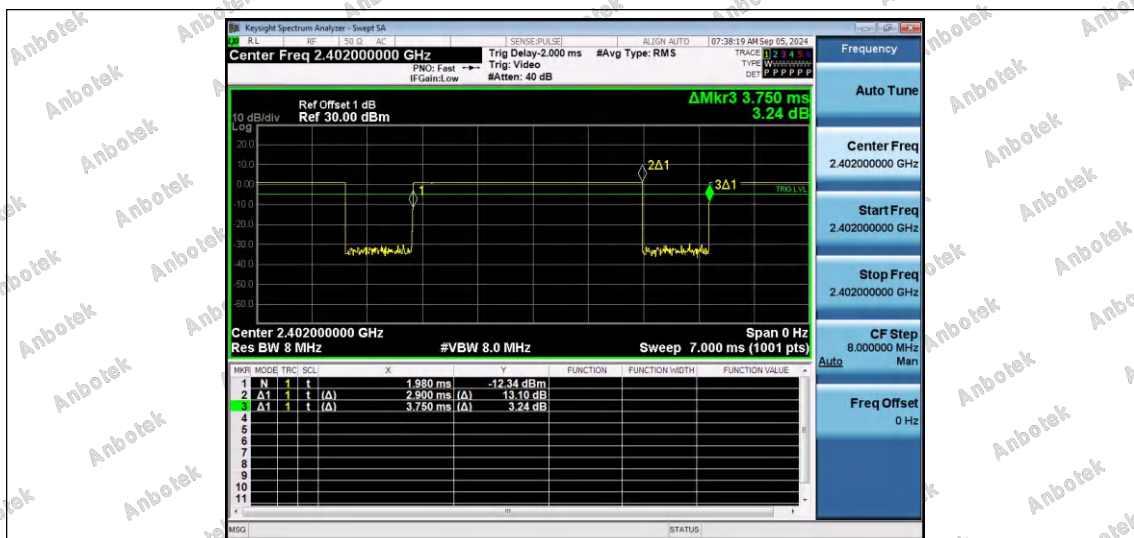
Appendix I: Duty Cycle

Test Result

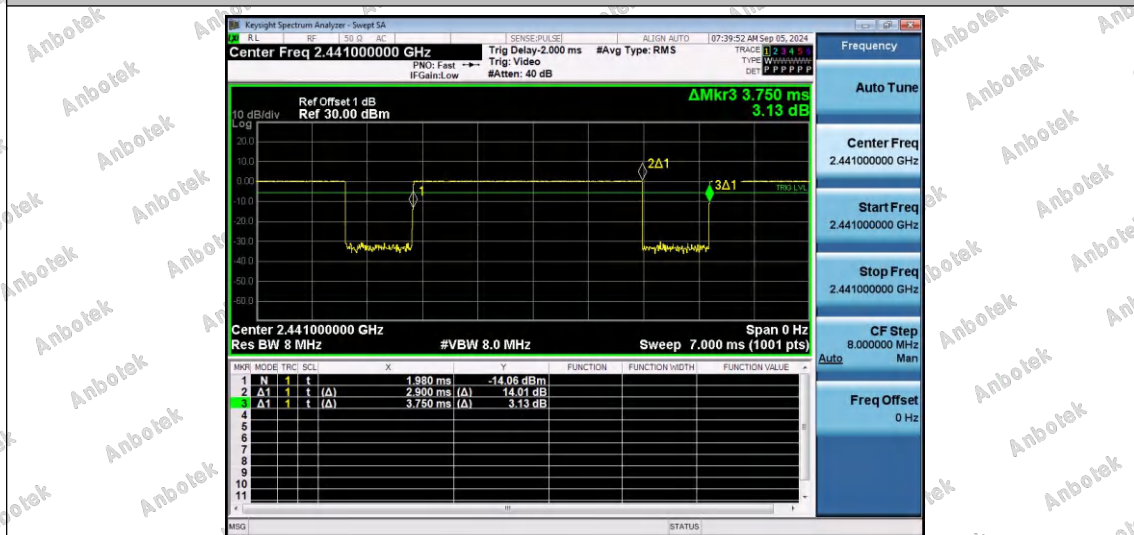
TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.90	3.75	77.33	1.12
DH5	Ant1	2441	2.90	3.75	77.33	1.12
DH5	Ant1	2480	2.90	3.76	77.13	1.13
2DH5	Ant1	2402	2.89	3.75	77.07	1.13
2DH5	Ant1	2441	2.90	3.75	77.33	1.12
2DH5	Ant1	2480	2.90	3.75	77.33	1.12
3DH5	Ant1	2402	2.91	3.75	77.60	1.10
3DH5	Ant1	2441	2.91	3.76	77.39	1.11
3DH5	Ant1	2480	2.90	3.74	77.54	1.10



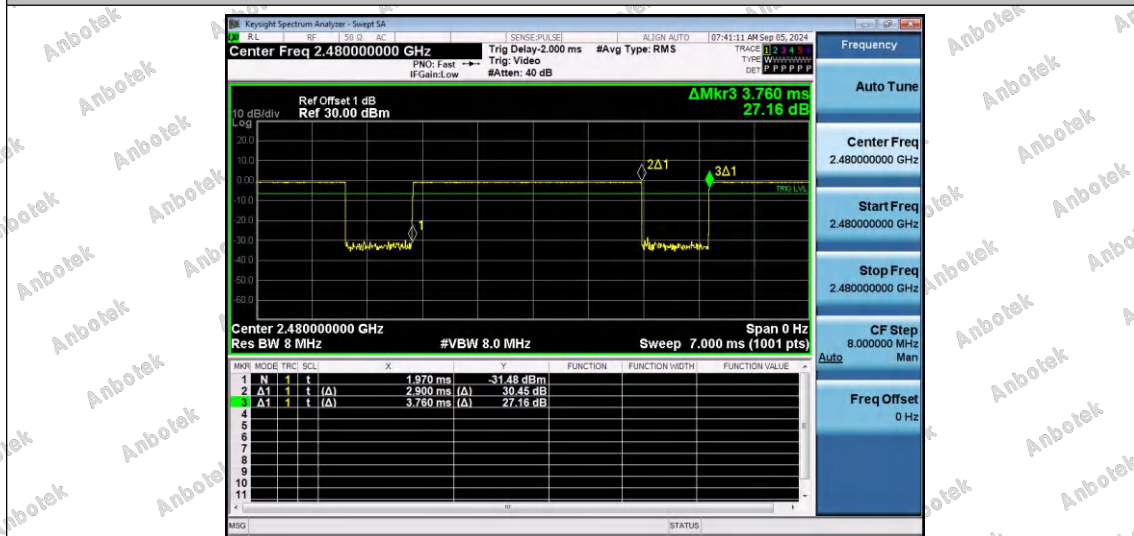
Test Graphs



NTNV-DH5-Ant1-2402



NTNV-DH5-Ant1-2441



NTNV-DH5-Ant1-2480

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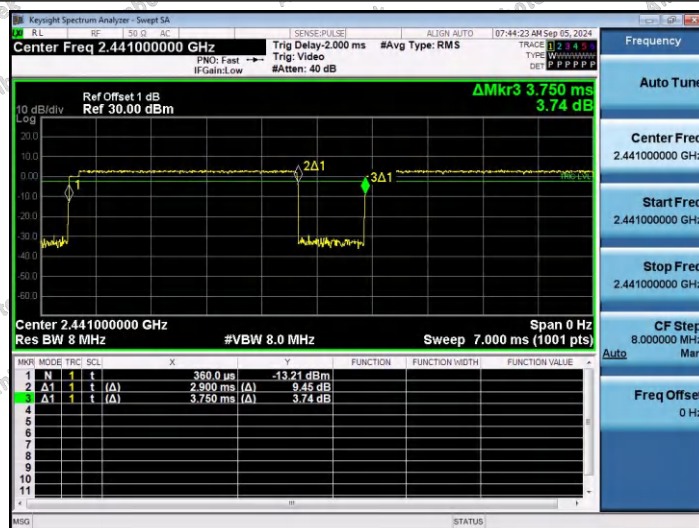


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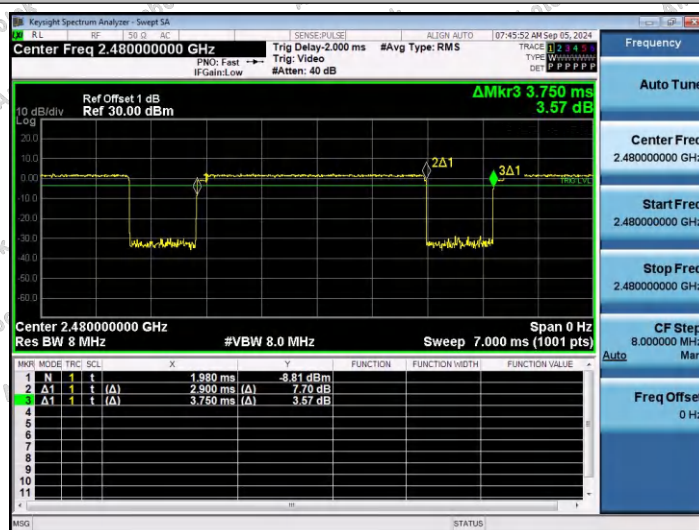




NTVN-2DH5-Ant1-2402



NTVN-2DH5-Ant1-2441



NTVN-2DH5-Ant1-2480

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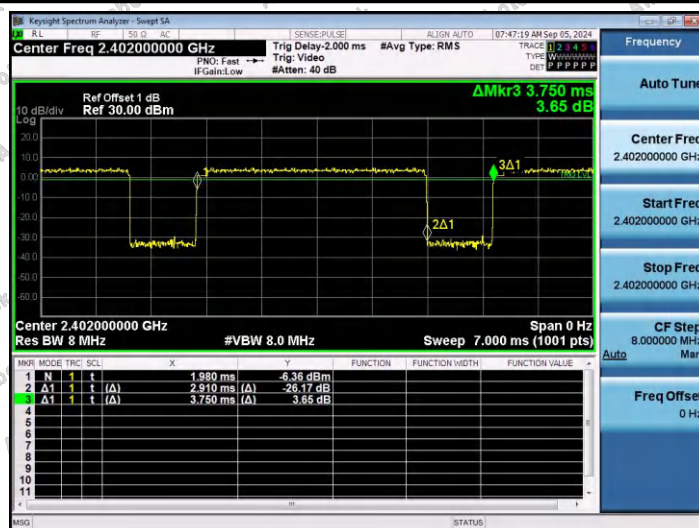
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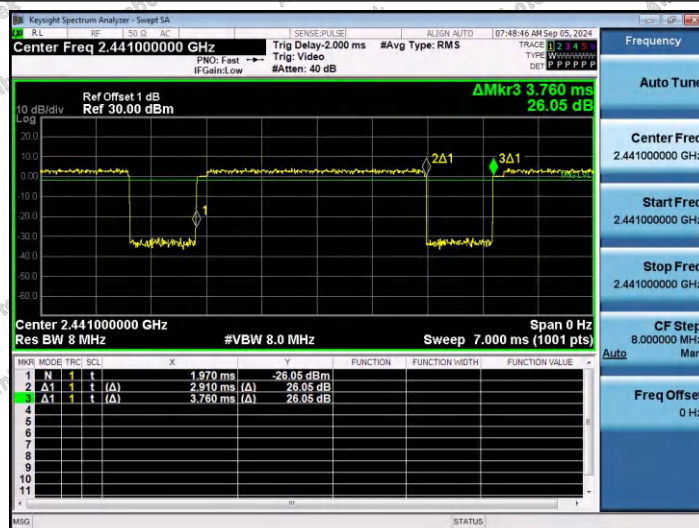
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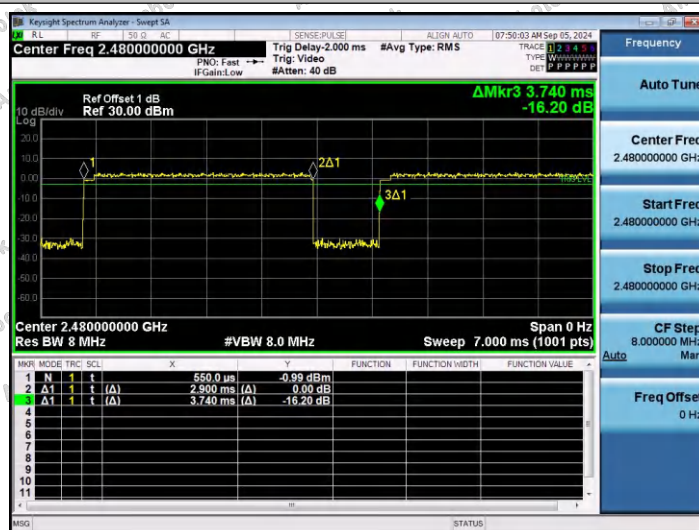




NTVN-3DH5-Ant1-2402



NTVN-3DH5-Ant1-2441



NTVN-3DH5-Ant1-2480

---End---

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