

Appendix Test Data

Report No.:	1819C40041412501	Test Sample No.:	1-2-2
Start Test Date:	2024.09.12	Finish Test Date:	2024.09.12
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	22.3℃	Relative Humidity:	57%
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	2401.535	2402.483	---	---
DH5	Ant1	2441	0.954	2440.529	2441.483	---	---
DH5	Ant1	2480	0.939	2479.532	2480.471	---	---
2DH5	Ant1	2402	1.269	2401.364	2402.633	---	---
2DH5	Ant1	2441	1.263	2440.364	2441.627	---	---
2DH5	Ant1	2480	1.266	2479.361	2480.627	---	---
3DH5	Ant1	2402	1.302	2401.340	2402.642	---	---
3DH5	Ant1	2441	1.263	2440.355	2441.618	---	---
3DH5	Ant1	2480	1.263	2479.352	2480.615	---	---



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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3DH5-Ant1-2402



3DH5-Ant1-2441



3DH5-Ant1-2480



Appendix B: 99% Occupied Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.83753	2401.5757	2402.4132	---	---
DH5	Ant1	2441	0.84728	2440.5669	2441.4141	---	---
DH5	Ant1	2480	0.85148	2479.5607	2480.4122	---	---
2DH5	Ant1	2402	1.1943	2401.3998	2402.5941	---	---
2DH5	Ant1	2441	1.1814	2440.3979	2441.5793	---	---
2DH5	Ant1	2480	1.1791	2479.3992	2480.5783	---	---
3DH5	Ant1	2402	1.1746	2401.4117	2402.5863	---	---
3DH5	Ant1	2441	1.1708	2440.4089	2441.5797	---	---
3DH5	Ant1	2480	1.1924	2479.3904	2480.5828	---	---



Test Graphs



DH5-Ant1-2402



DH5-Ant1-2441



DH5-Ant1-2480

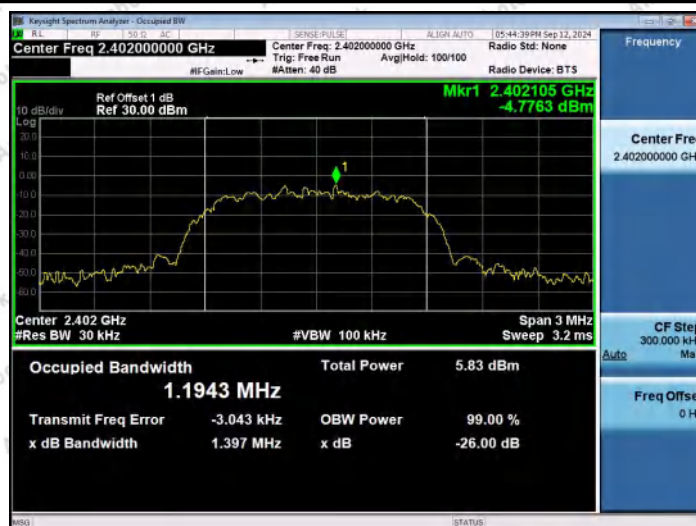
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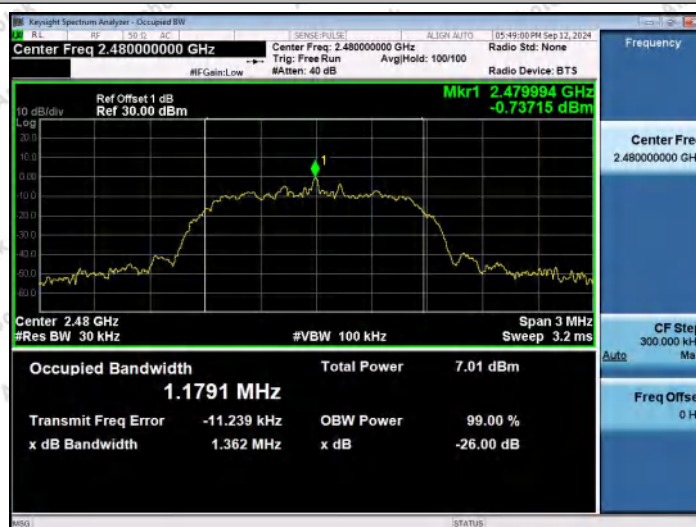




2DH5-Ant1-2402



2DH5-Ant1-2441

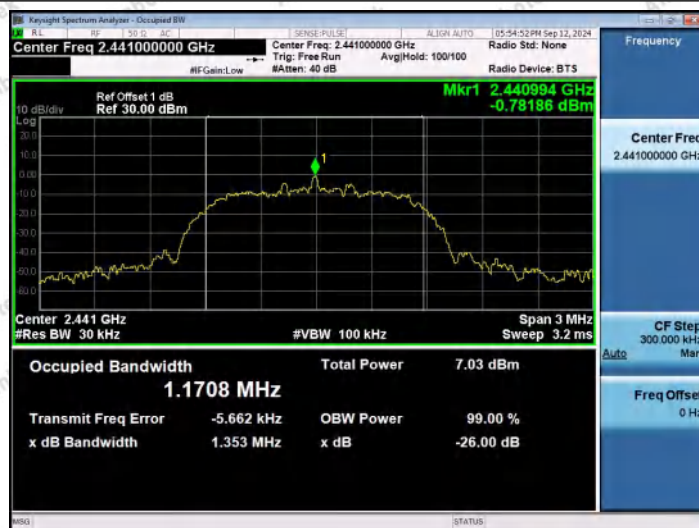


2DH5-Ant1-2480

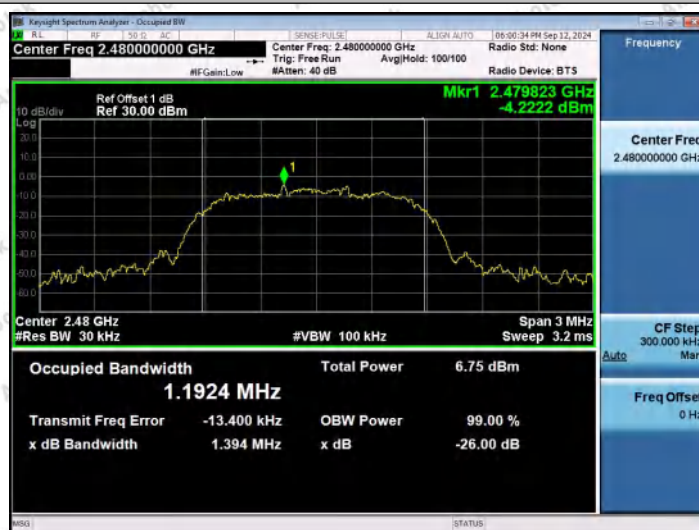




3DH5-Ant1-2402



3DH5-Ant1-2441



3DH5-Ant1-2480

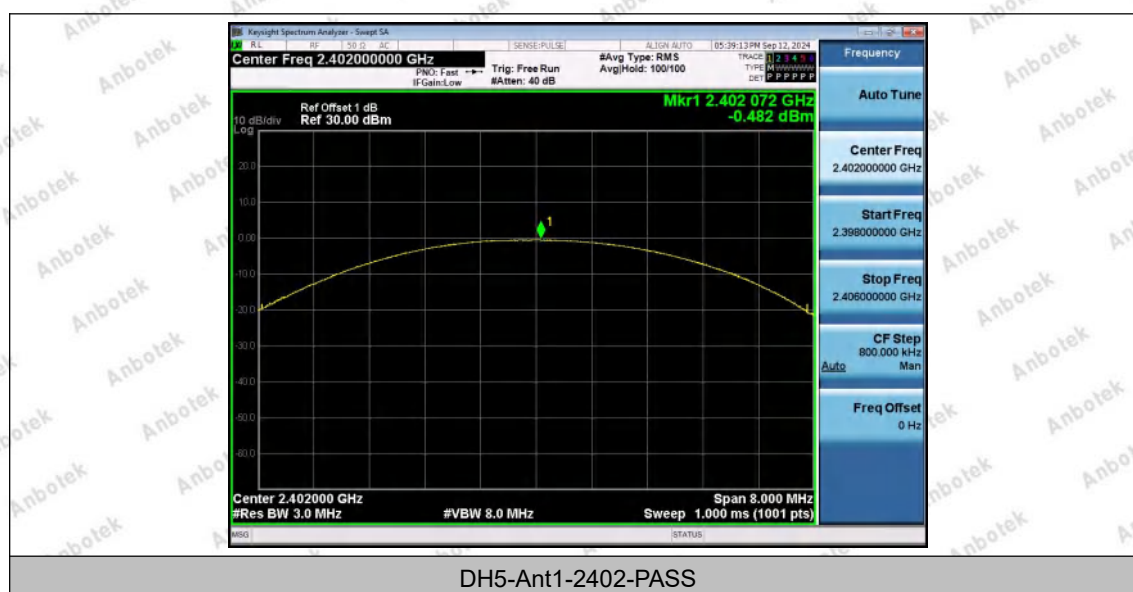


Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-0.48	≤20.97	PASS
DH5	Ant1	2441	-0.28	≤20.97	PASS
DH5	Ant1	2480	0.06	≤20.97	PASS
2DH5	Ant1	2402	1.62	≤20.97	PASS
2DH5	Ant1	2441	1.77	≤20.97	PASS
2DH5	Ant1	2480	2.18	≤20.97	PASS
3DH5	Ant1	2402	1.98	≤20.97	PASS
3DH5	Ant1	2441	2.19	≤20.97	PASS
3DH5	Ant1	2480	2.53	≤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	≥ 0.636	PASS
2DH5	Ant1	Hop	1.158	≥ 0.846	PASS
3DH5	Ant1	Hop	1.02	≥ 0.868	PASS



Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS

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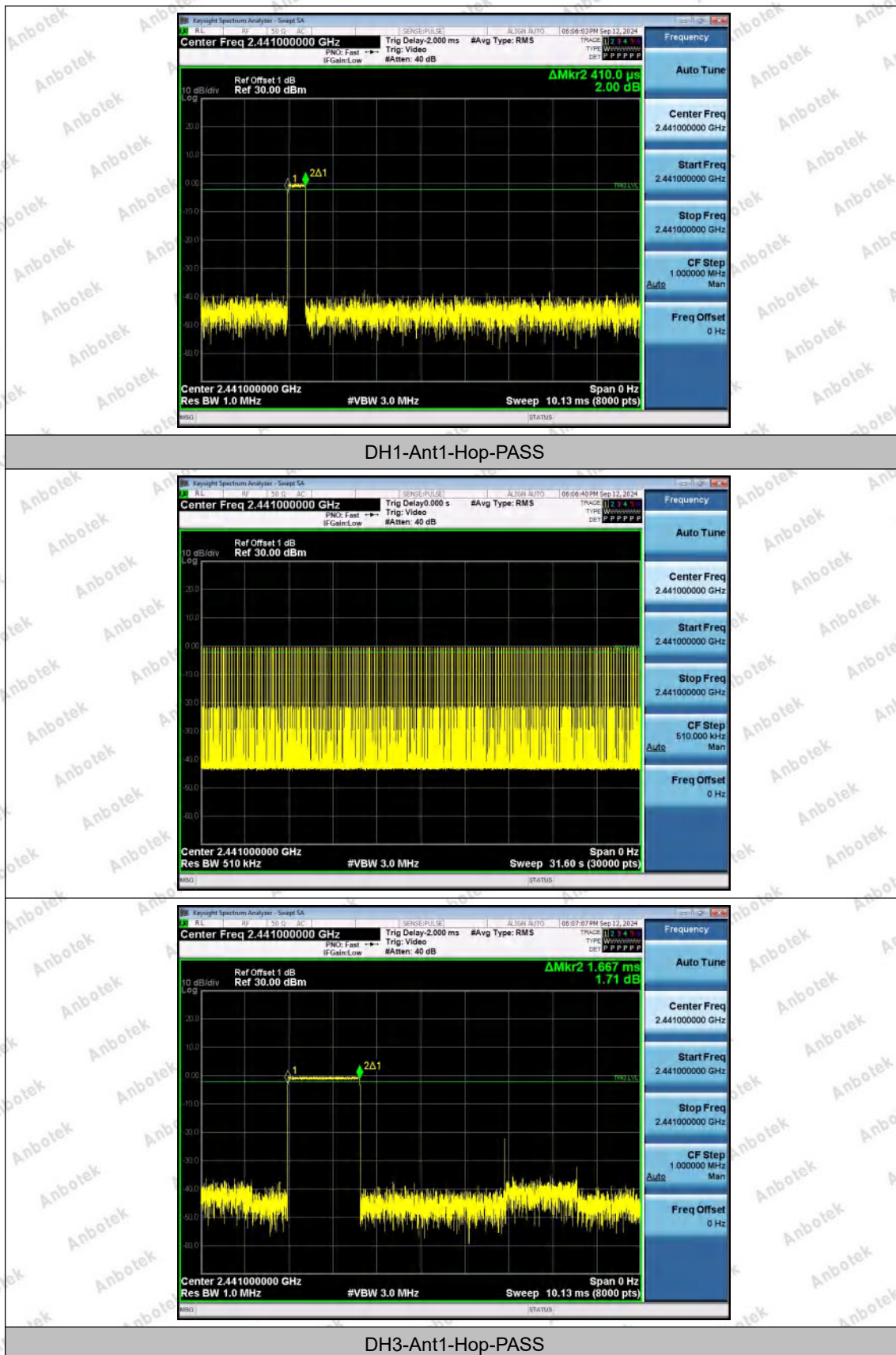
Appendix E: Dwell Time

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.410	316	0.13	≤0.4	PASS
DH3	Ant1	Hop	1.667	165	0.275	≤0.4	PASS
DH5	Ant1	Hop	2.915	107	0.312	≤0.4	PASS
2DH1	Ant1	Hop	0.381	314	0.12	≤0.4	PASS
2DH3	Ant1	Hop	1.672	164	0.274	≤0.4	PASS
2DH5	Ant1	Hop	2.921	109	0.318	≤0.4	PASS
3DH1	Ant1	Hop	0.381	313	0.119	≤0.4	PASS
3DH3	Ant1	Hop	1.672	159	0.266	≤0.4	PASS
3DH5	Ant1	Hop	2.923	102	0.298	≤0.4	PASS



Test Graphs



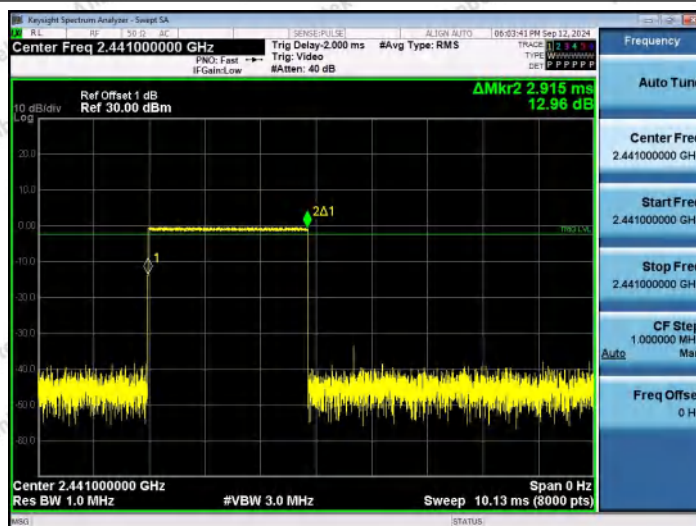
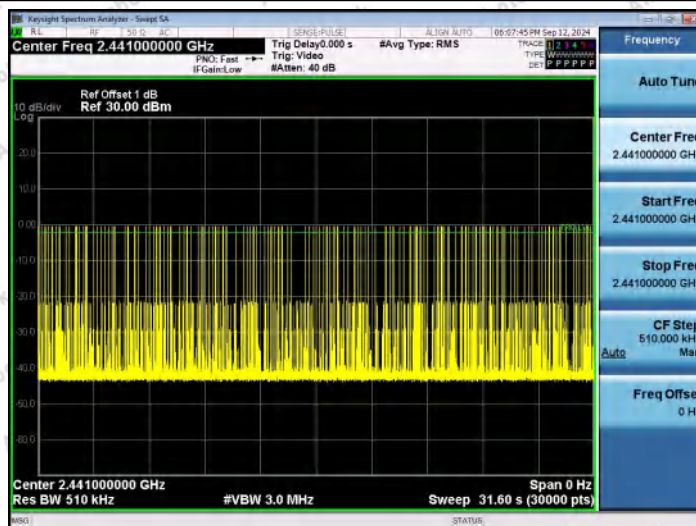
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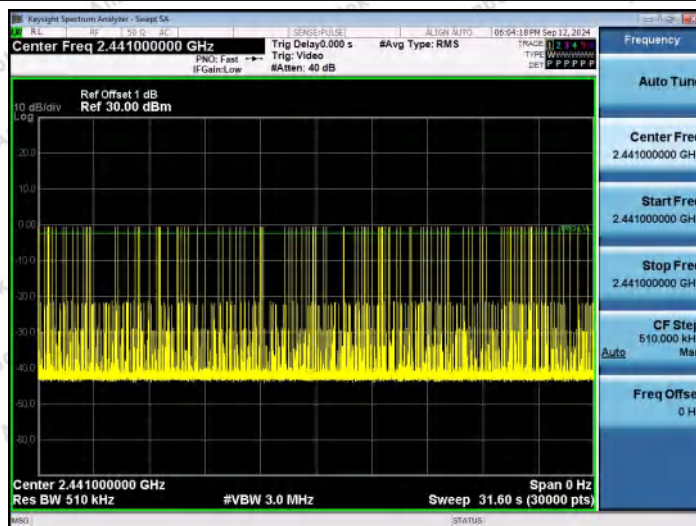


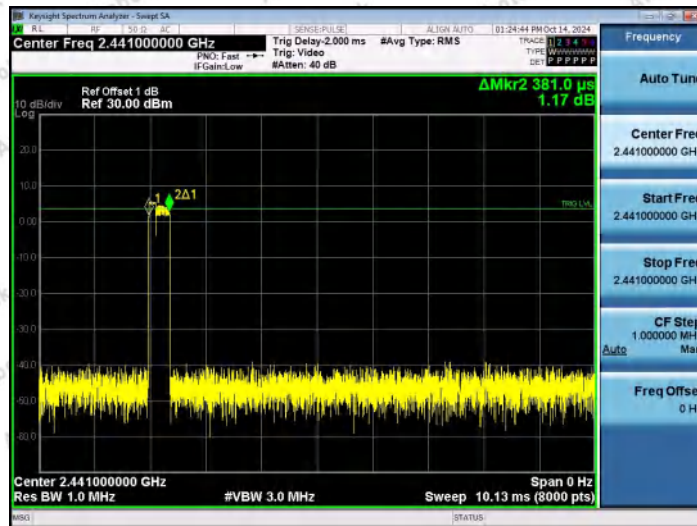
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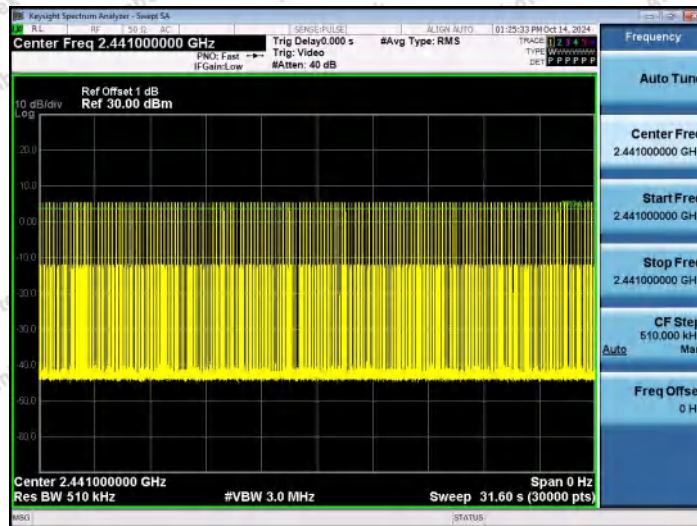


DH5-Ant1-Hop-PASS



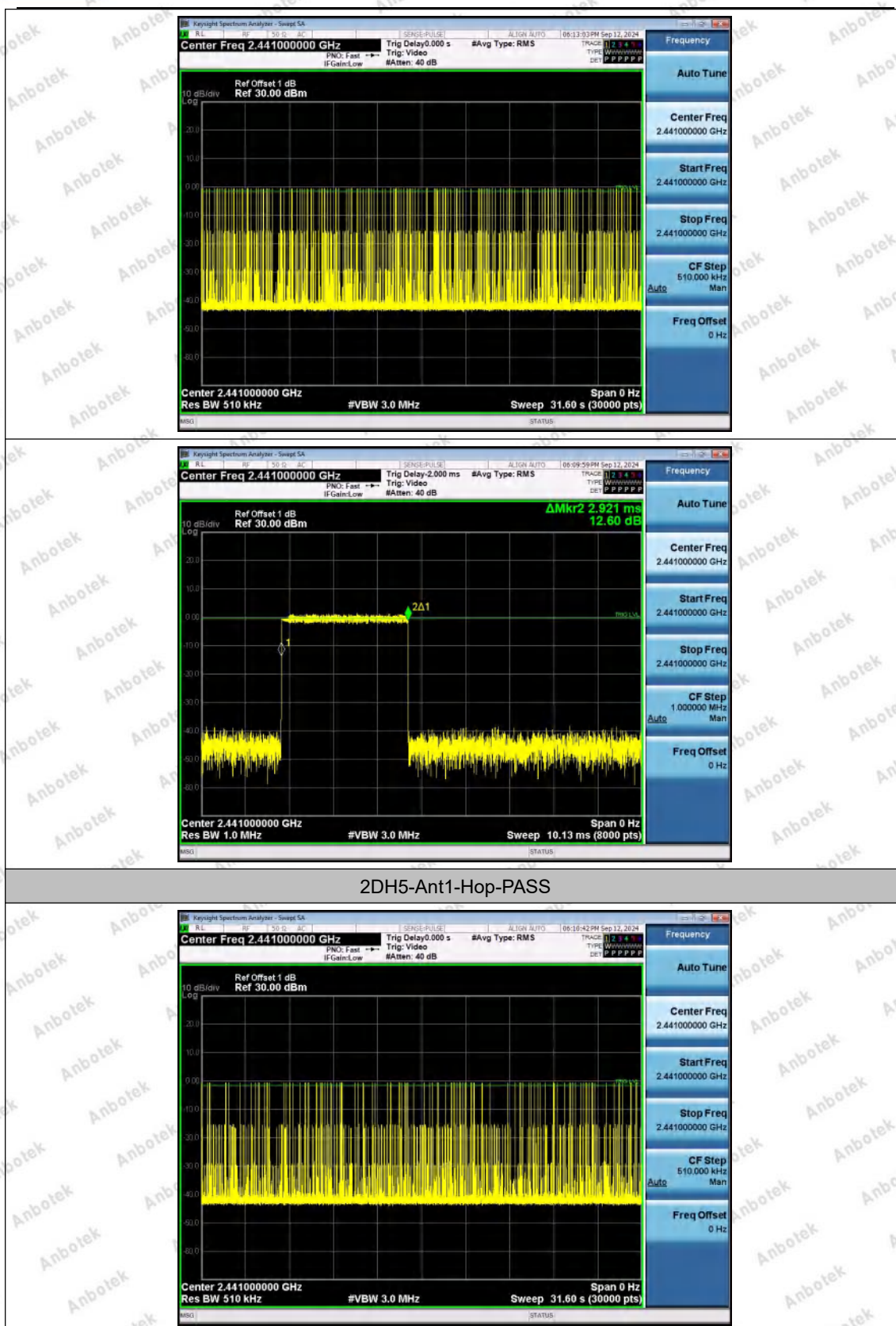


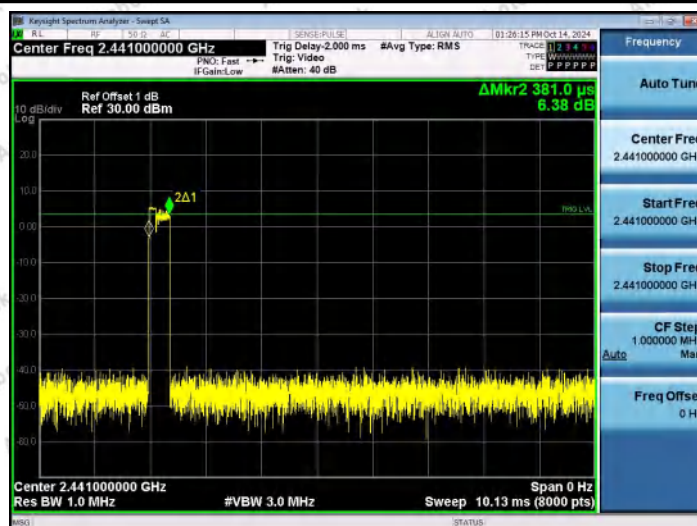
2DH1-Ant1-Hop-PASS



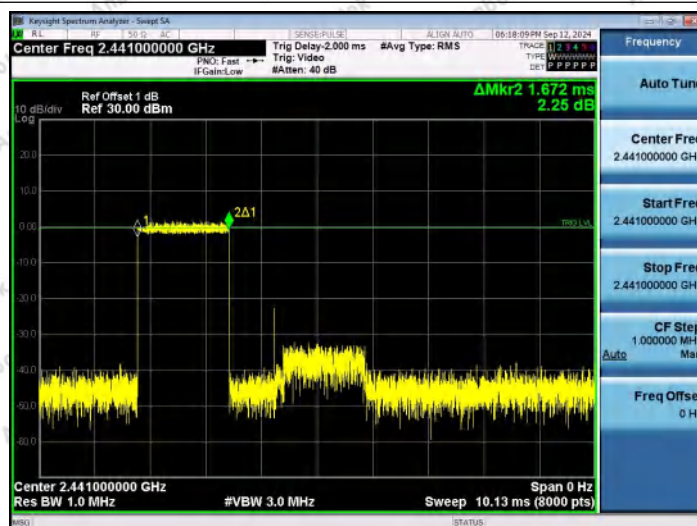
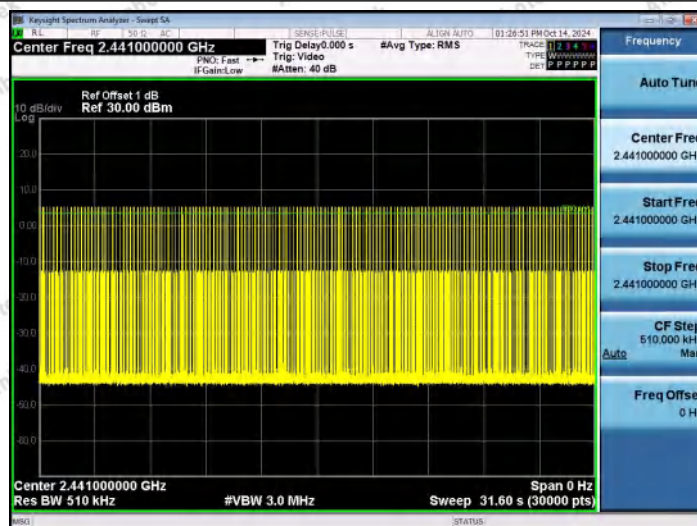
2DH3-Ant1-Hop-PASS





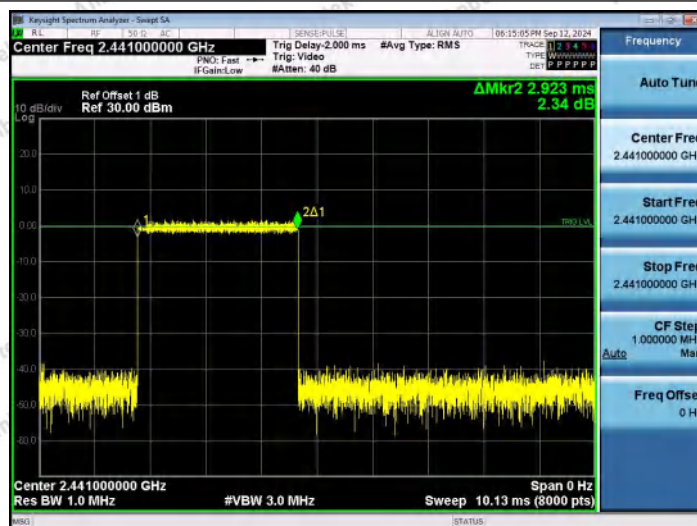
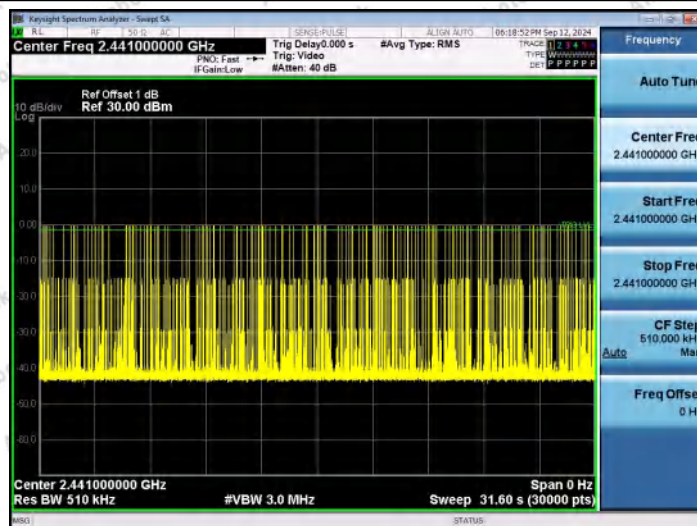


3DH1-Ant1-Hop-PASS

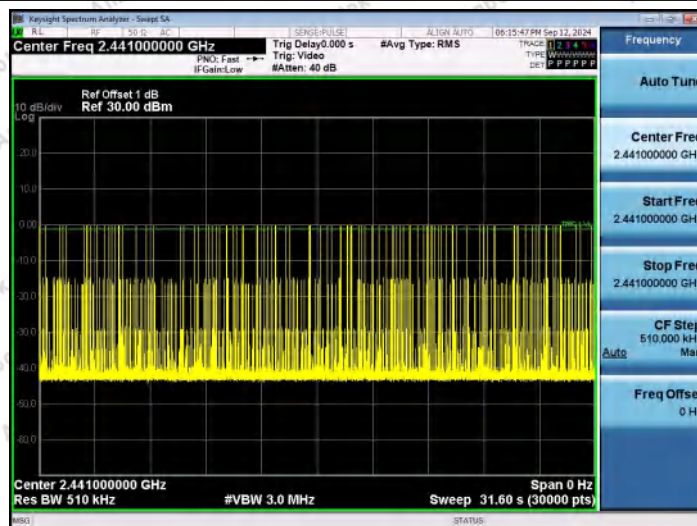


3DH3-Ant1-Hop-PASS





3DH5-Ant1-Hop-PASS



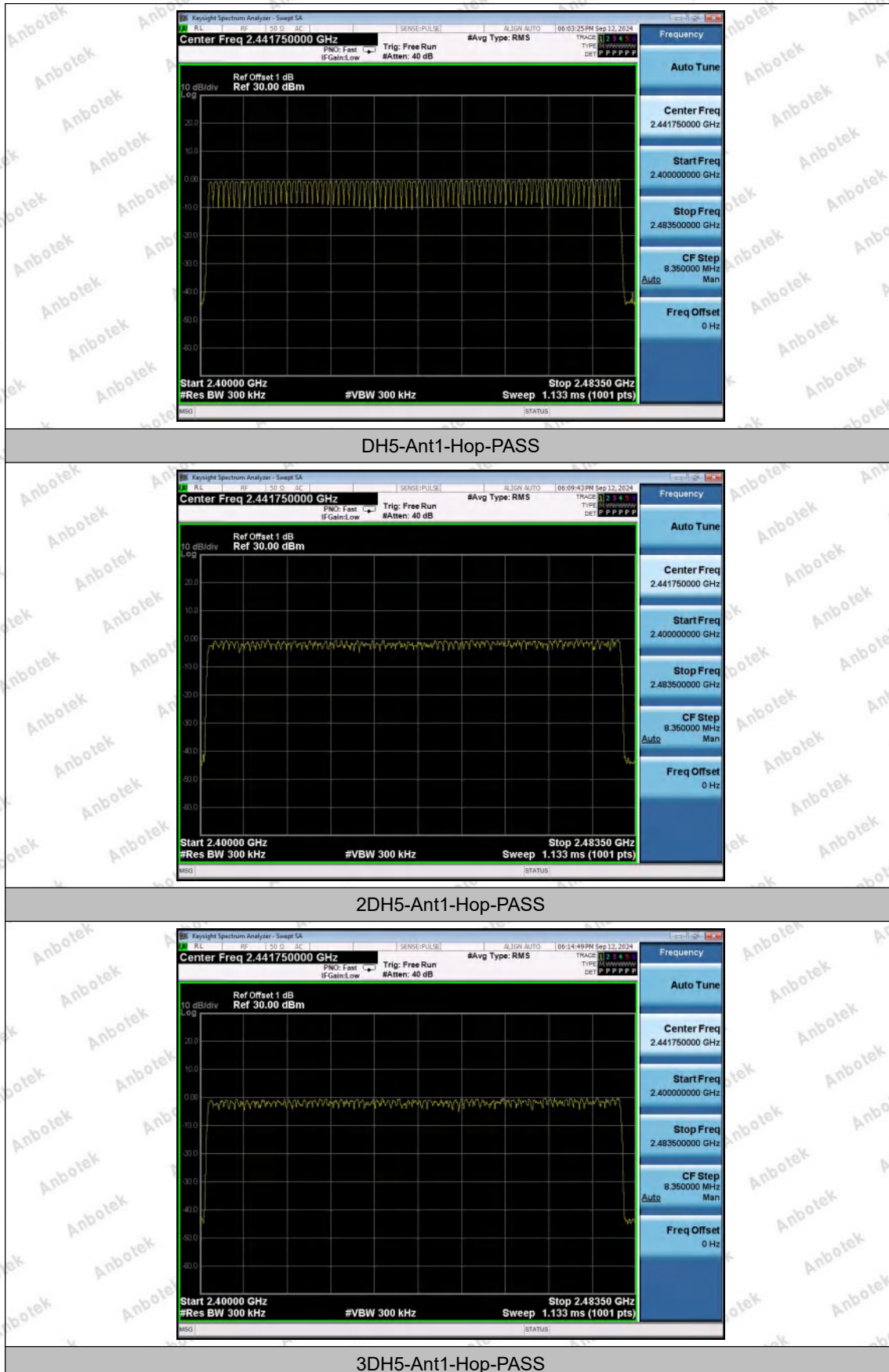
Appendix F: Number of Hopping Channel

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



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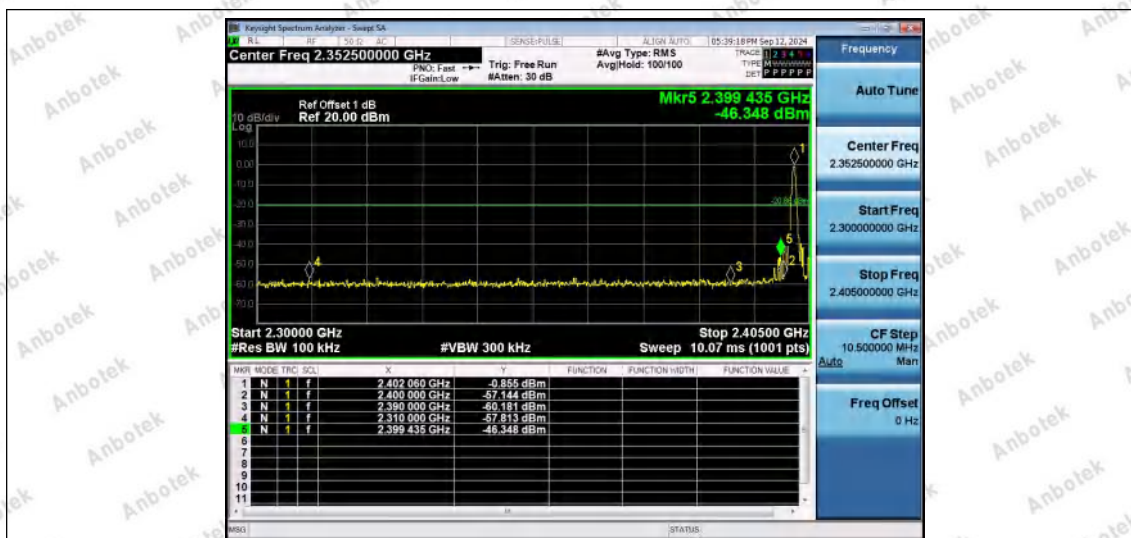
Appendix G: Conducted Band edge

Test Result

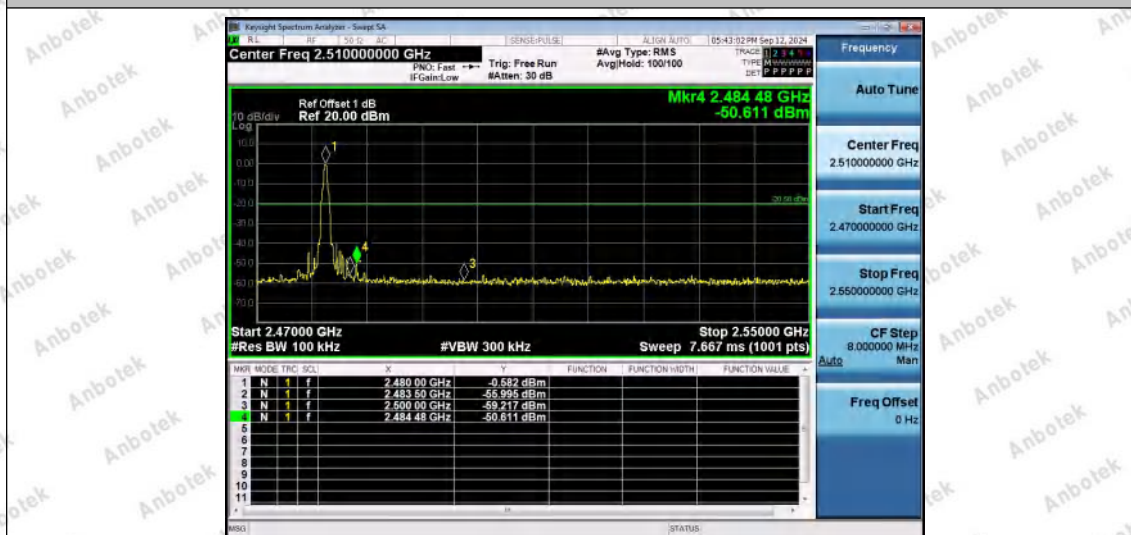
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.86	-46.35	≤-20.86	PASS
DH5	Ant1	High	2480	-0.58	-50.61	≤-20.58	PASS
DH5	Ant1	Low	Hop_2402	-0.96	-53.21	≤-20.96	PASS
DH5	Ant1	High	Hop_2480	-0.35	-55.02	≤-20.35	PASS
2DH5	Ant1	Low	2402	-1.37	-48.68	≤-21.37	PASS
2DH5	Ant1	High	2480	-0.31	-49.13	≤-20.31	PASS
2DH5	Ant1	Low	Hop_2402	-0.99	-48.43	≤-20.99	PASS
2DH5	Ant1	High	Hop_2480	-0.36	-54.77	≤-20.36	PASS
3DH5	Ant1	Low	2402	-0.89	-42.46	≤-20.89	PASS
3DH5	Ant1	High	2480	-2.03	-50.36	≤-22.03	PASS
3DH5	Ant1	Low	Hop_2402	-1.09	-53.3	≤-21.09	PASS
3DH5	Ant1	High	Hop_2480	-0.71	-55.77	≤-20.71	PASS



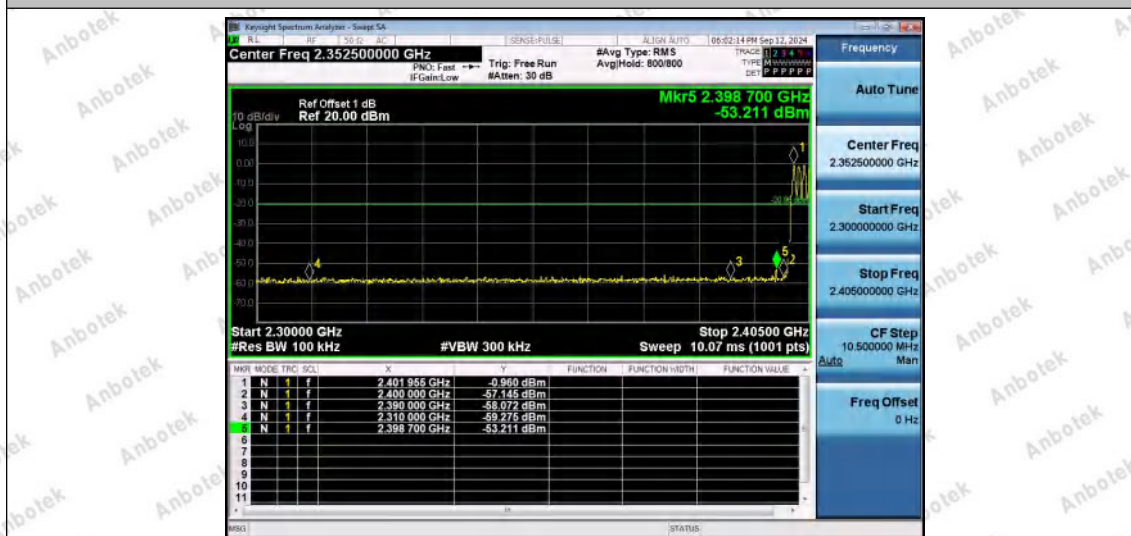
Test Graphs



DH5-Ant1-2402-PASS



DH5-Ant1-2480-PASS



DH5-Ant1-Hop_2402-PASS

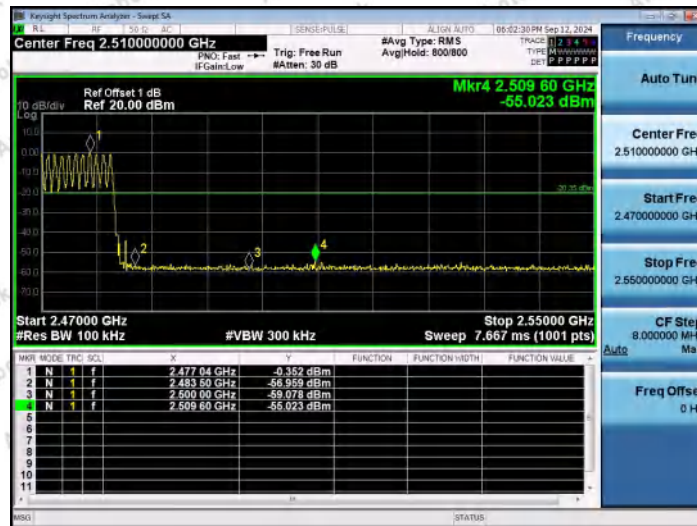
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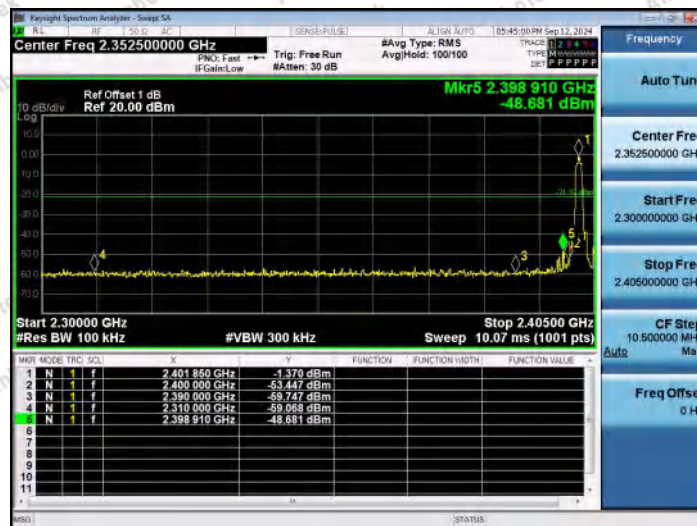


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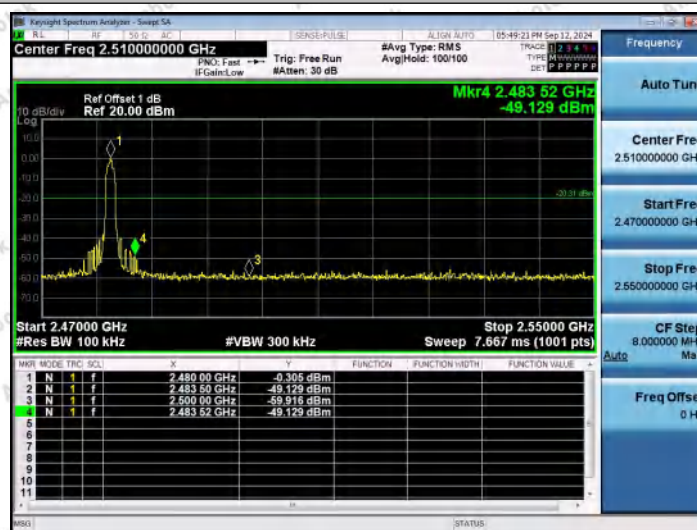




DH5-Ant1-Hop_2480-PASS

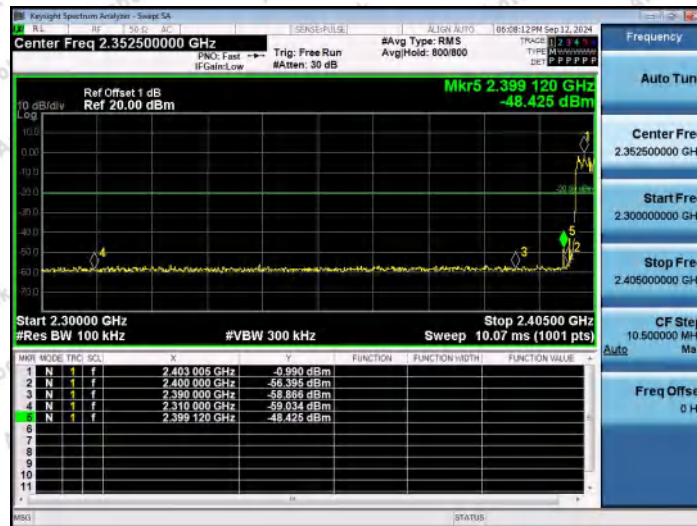


2DH5-Ant1-2402-PASS

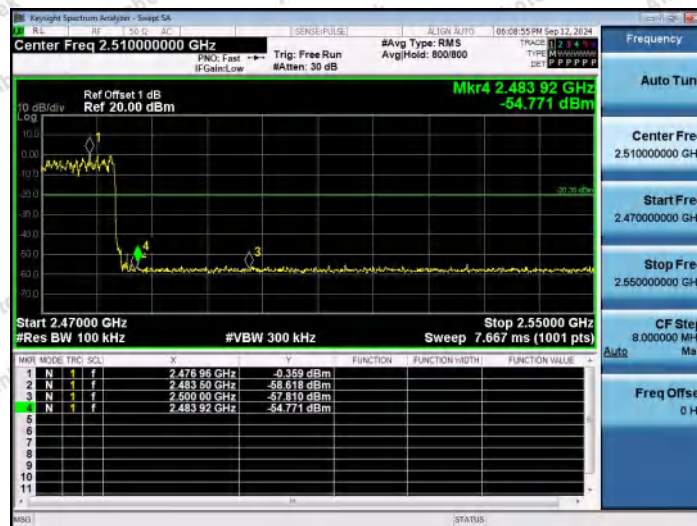


2DH5-Ant1-2480-PASS

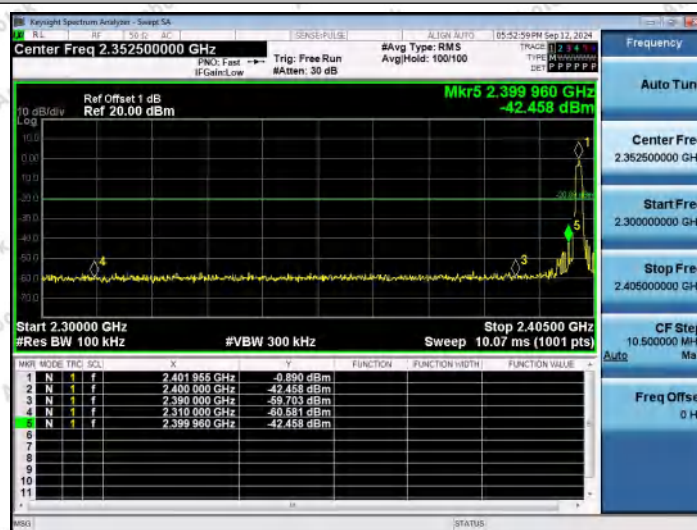




2DH5-Ant1-Hop_2402-PASS

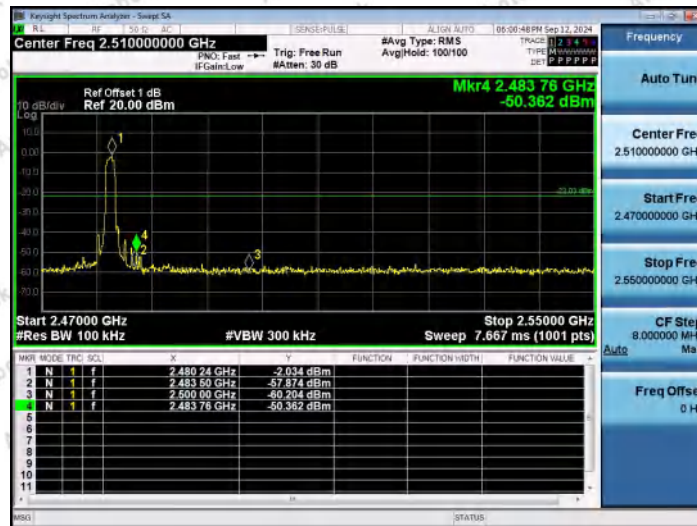


2DH5-Ant1-Hop_2480-PASS

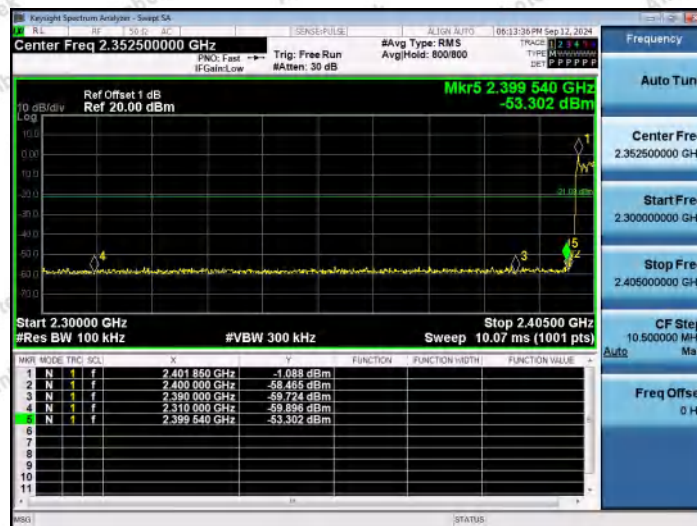


3DH5-Ant1-2402-PASS

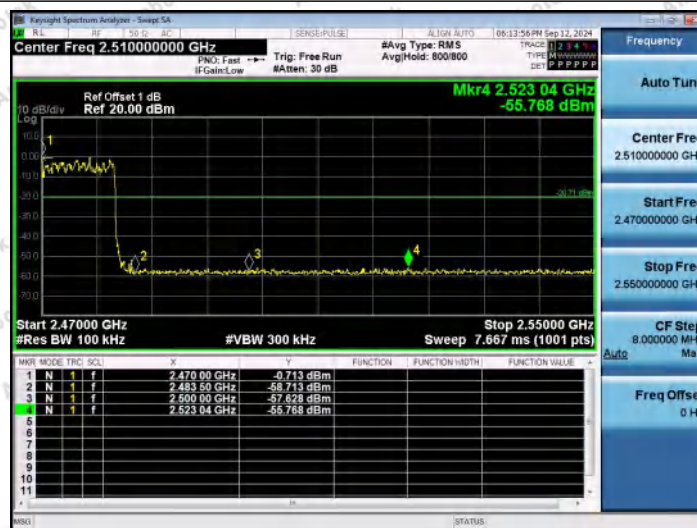




3DH5-Ant1-2480-PASS



3DH5-Ant1-Hop_2402-PASS



3DH5-Ant1-Hop_2480-PASS



Appendix H: Conducted Spurious Emission

Test Result

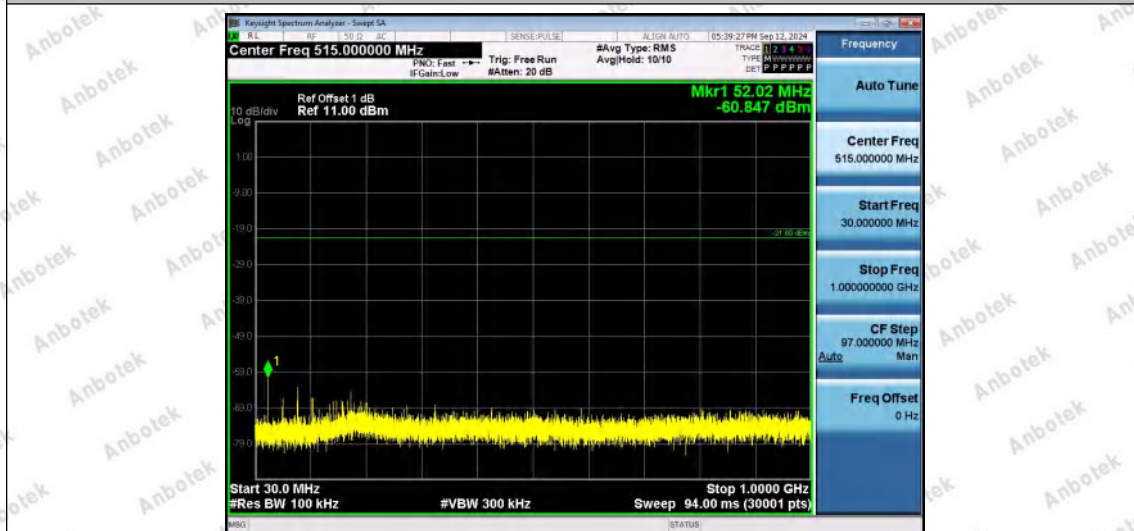
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-1.60	-1.60	---	PASS
DH5	Ant1	2402	30~1000	-1.60	-60.85	≤-21.6	PASS
DH5	Ant1	2402	1000~26500	-1.60	-38.45	≤-21.6	PASS
DH5	Ant1	2441	0~Reference	-1.28	-1.28	---	PASS
DH5	Ant1	2441	30~1000	-1.28	-63.23	≤-21.28	PASS
DH5	Ant1	2441	1000~26500	-1.28	-36.92	≤-21.28	PASS
DH5	Ant1	2480	0~Reference	-1.24	-1.24	---	PASS
DH5	Ant1	2480	30~1000	-1.24	-61.09	≤-21.24	PASS
DH5	Ant1	2480	1000~26500	-1.24	-34.05	≤-21.24	PASS
2DH5	Ant1	2402	0~Reference	-2.27	-2.27	---	PASS
2DH5	Ant1	2402	30~1000	-2.27	-63.51	≤-22.27	PASS
2DH5	Ant1	2402	1000~26500	-2.27	-38.2	≤-22.27	PASS
2DH5	Ant1	2441	0~Reference	-1.82	-1.82	---	PASS
2DH5	Ant1	2441	30~1000	-1.82	-61.72	≤-21.82	PASS
2DH5	Ant1	2441	1000~26500	-1.82	-35.81	≤-21.82	PASS
2DH5	Ant1	2480	0~Reference	-2.90	-2.90	---	PASS
2DH5	Ant1	2480	30~1000	-2.90	-43.9	≤-22.9	PASS
2DH5	Ant1	2480	1000~26500	-2.90	-32.22	≤-22.9	PASS
3DH5	Ant1	2402	0~Reference	-1.94	-1.94	---	PASS
3DH5	Ant1	2402	30~1000	-1.94	-36.65	≤-21.94	PASS
3DH5	Ant1	2402	1000~26500	-1.94	-38.91	≤-21.94	PASS
3DH5	Ant1	2441	0~Reference	-3.30	-3.30	---	PASS
3DH5	Ant1	2441	30~1000	-3.30	-64.65	≤-23.3	PASS
3DH5	Ant1	2441	1000~26500	-3.30	-39.61	≤-23.3	PASS
3DH5	Ant1	2480	0~Reference	-2.17	-2.17	---	PASS
3DH5	Ant1	2480	30~1000	-2.17	-63.99	≤-22.17	PASS
3DH5	Ant1	2480	1000~26500	-2.17	-33.16	≤-22.17	PASS



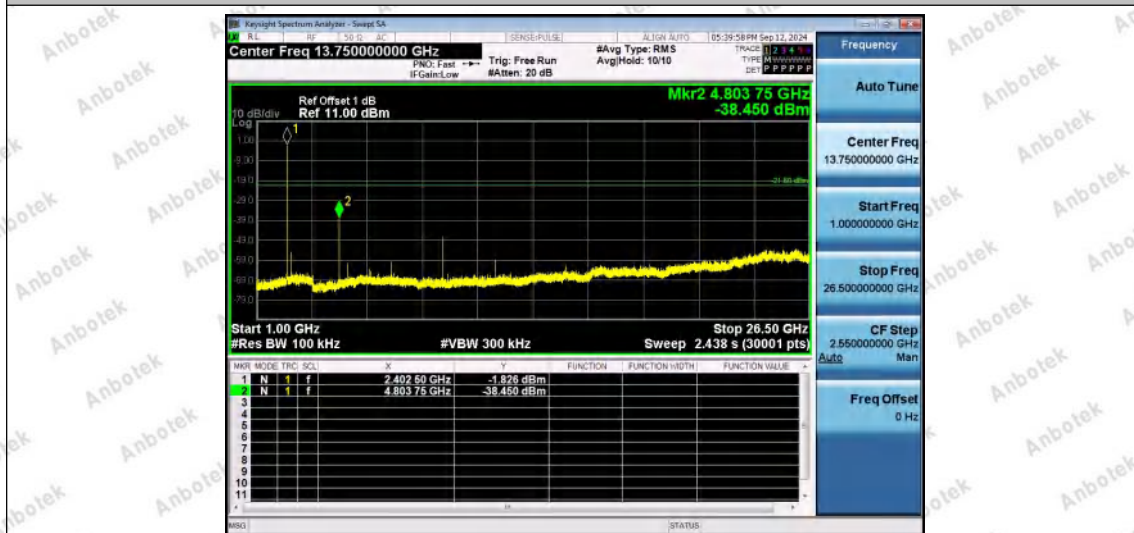
Test Graphs



DH5-Ant1-2402-0~Reference-PASS



DH5-Ant1-2402-30~1000-PASS



DH5-Ant1-2402-1000~26500-PASS

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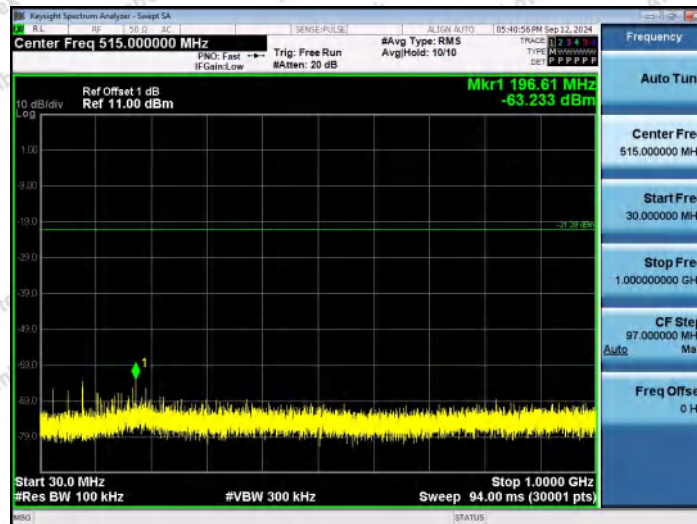


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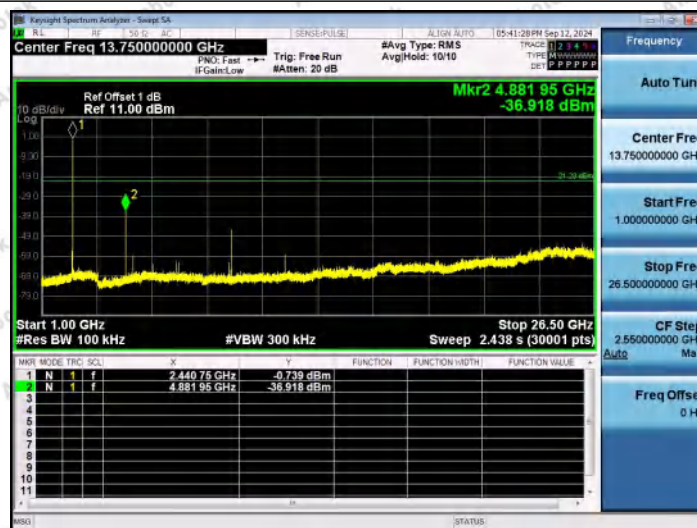




DH5-Ant1-2441-0~Reference-PASS



DH5-Ant1-2441-30~1000-PASS

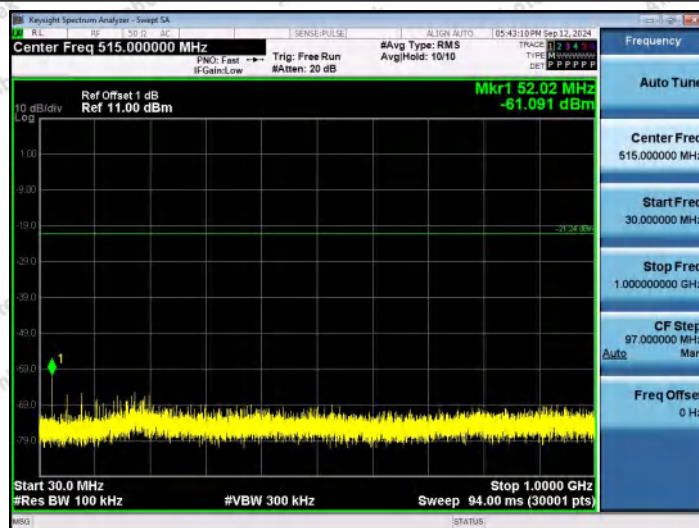


DH5-Ant1-2441-1000~26500-PASS

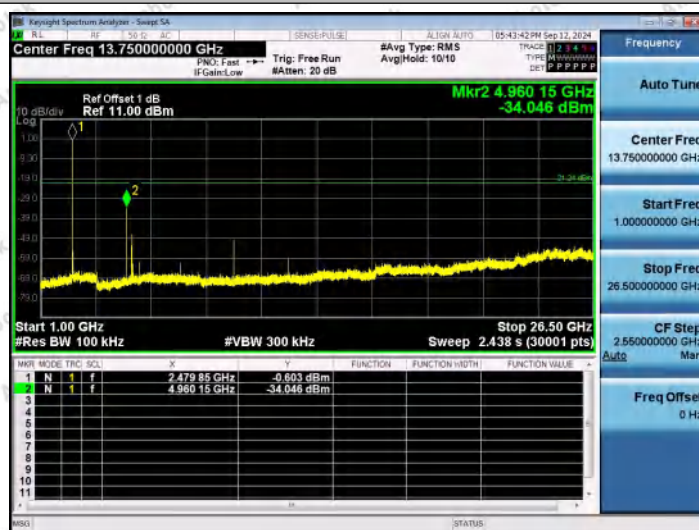




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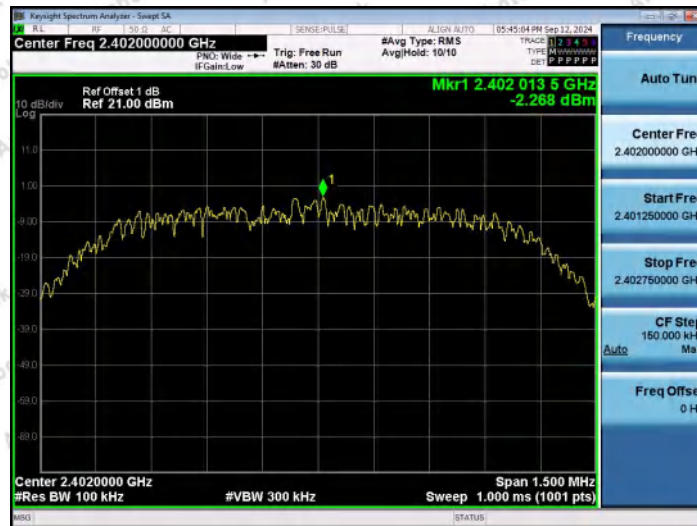


DH5-Ant1-2480-30~1000-PASS

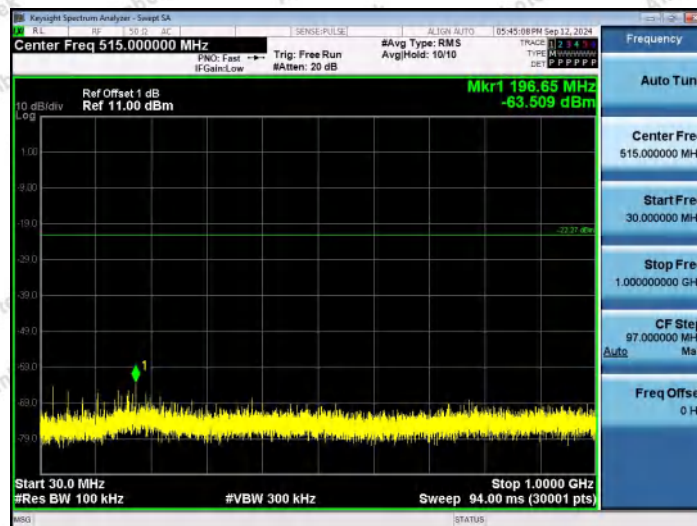


DH5-Ant1-2480-1000~26500-PASS

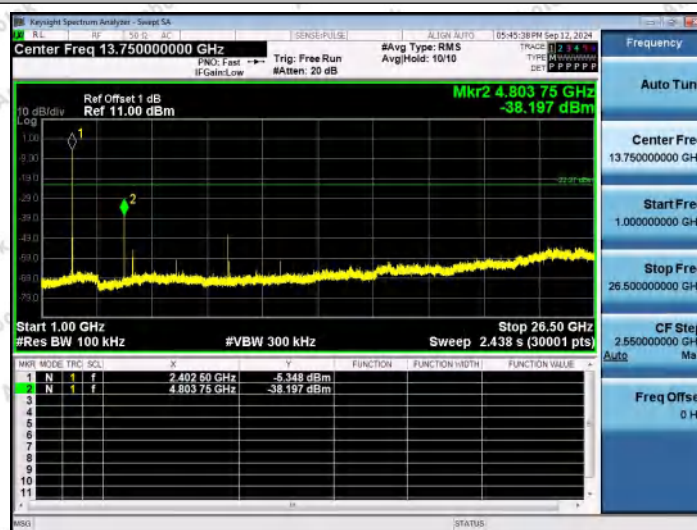




2DH5-Ant1-2402-0~Reference-PASS



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

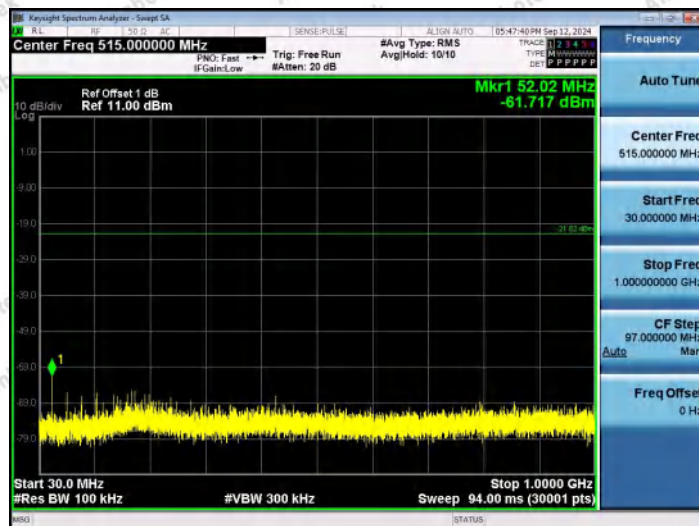


2DH5-Ant1-2402-1000~26500-PASS

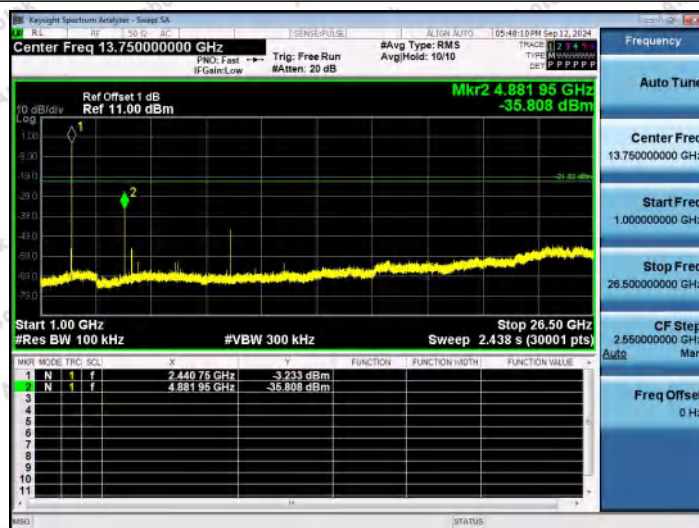




2DH5-Ant1-2441-0~Reference-PASS



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



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

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

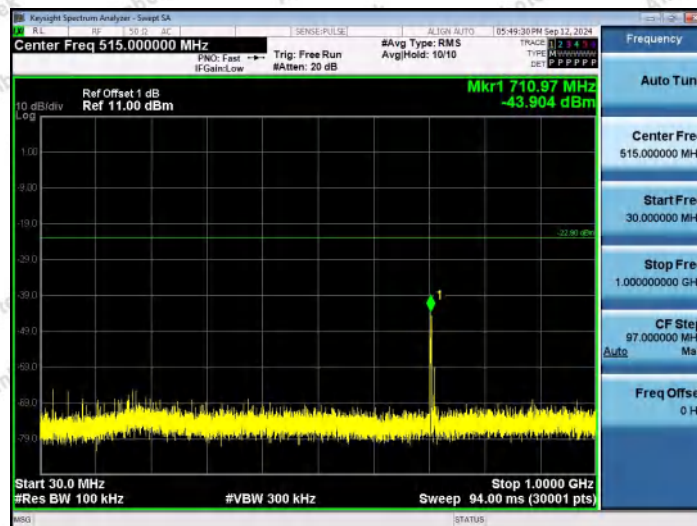


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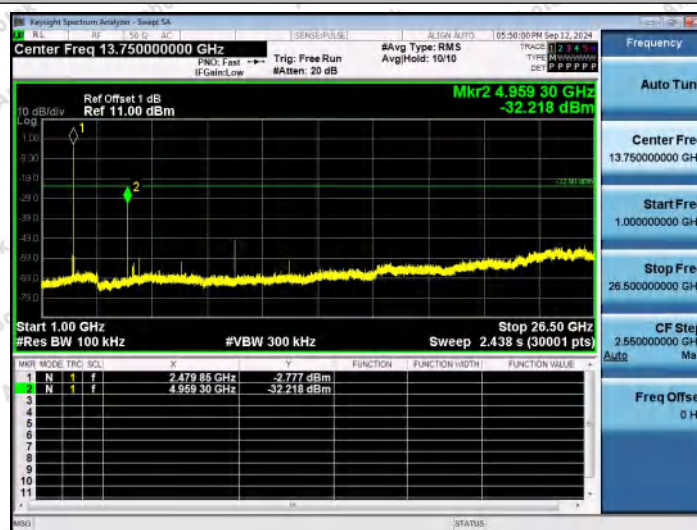




2DH5-Ant1-2480-0~Reference-PASS



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



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

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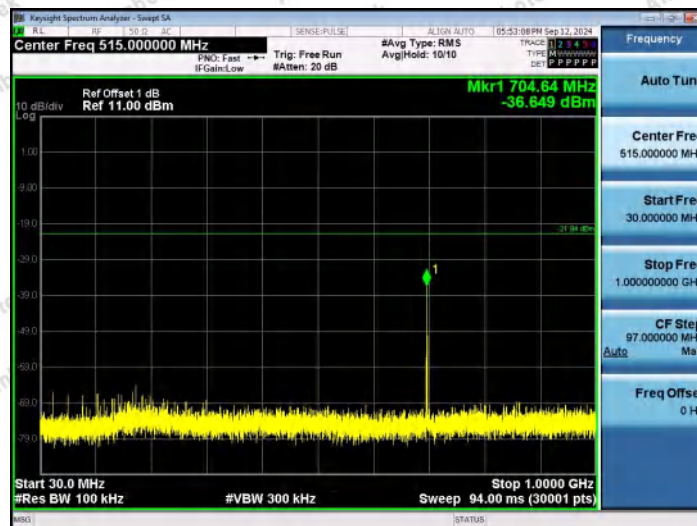


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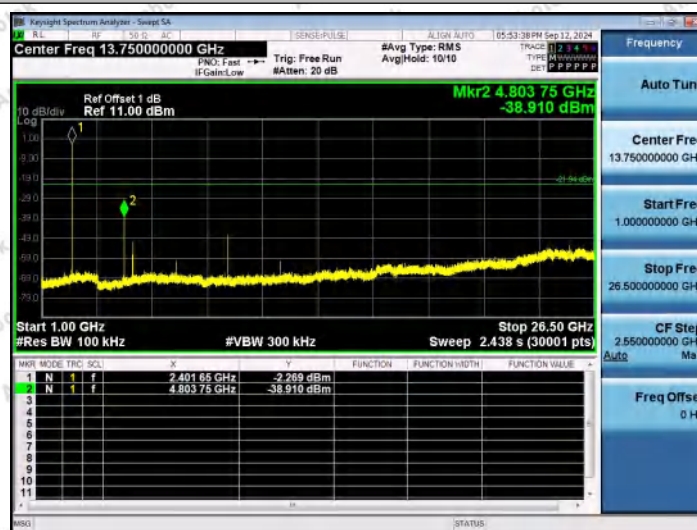




3DH5-Ant1-2402-0~Reference-PASS



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

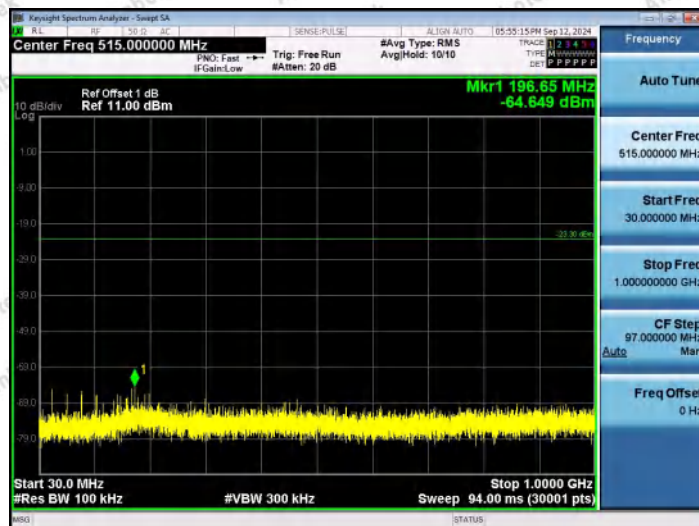


3DH5-Ant1-2402-1000~26500-PASS

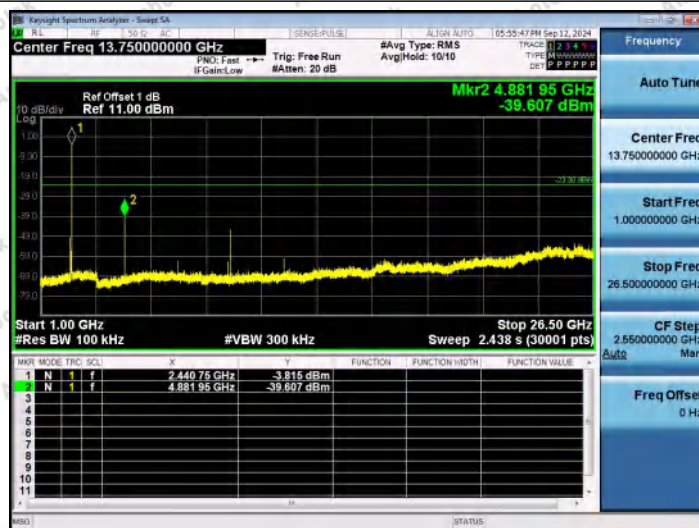




3DH5-Ant1-2441-0~Reference-PASS



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



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

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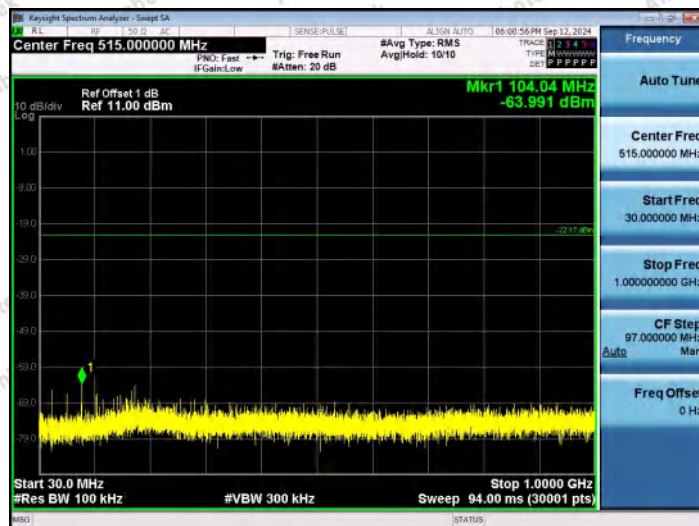


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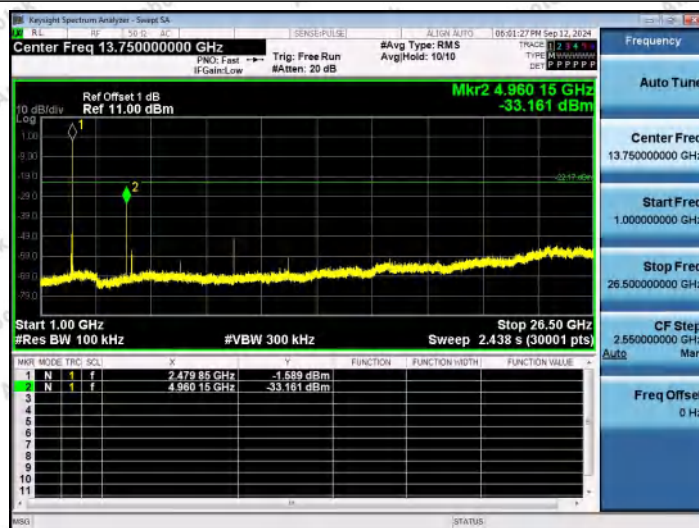




3DH5-Ant1-2480-0~Reference-PASS



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



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

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Appendix I: Duty Cycle

Test Result

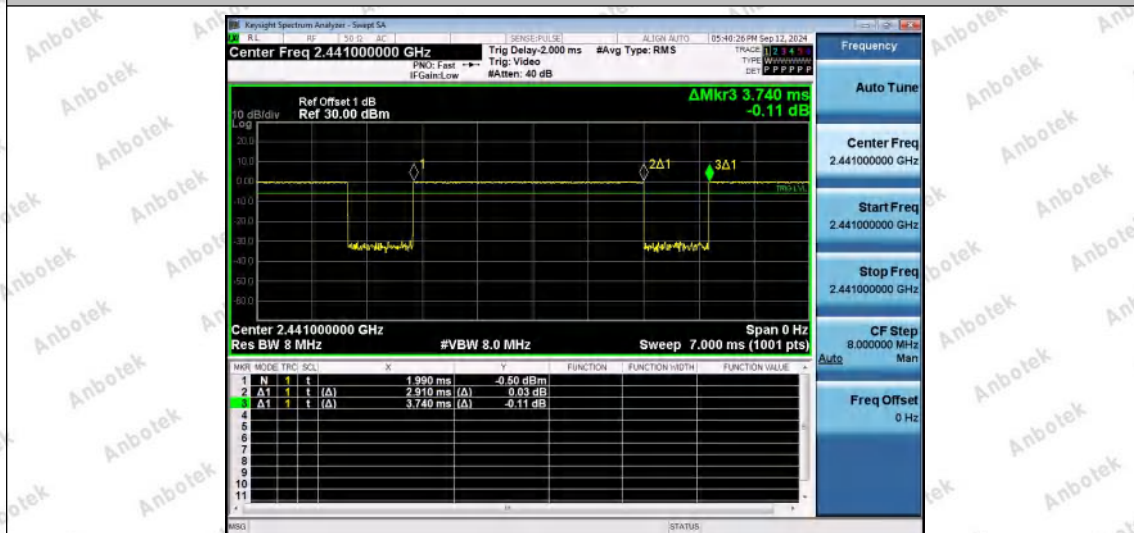
TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.92	3.75	77.87	1.09
DH5	Ant1	2441	2.91	3.74	77.81	1.09
DH5	Ant1	2480	2.92	3.75	77.87	1.09
2DH5	Ant1	2402	2.93	3.75	78.13	1.07
2DH5	Ant1	2441	2.93	3.75	78.13	1.07
2DH5	Ant1	2480	2.92	3.75	77.87	1.09
3DH5	Ant1	2402	2.92	3.75	77.87	1.09
3DH5	Ant1	2441	2.92	3.74	78.07	1.08
3DH5	Ant1	2480	2.93	3.76	77.93	1.08



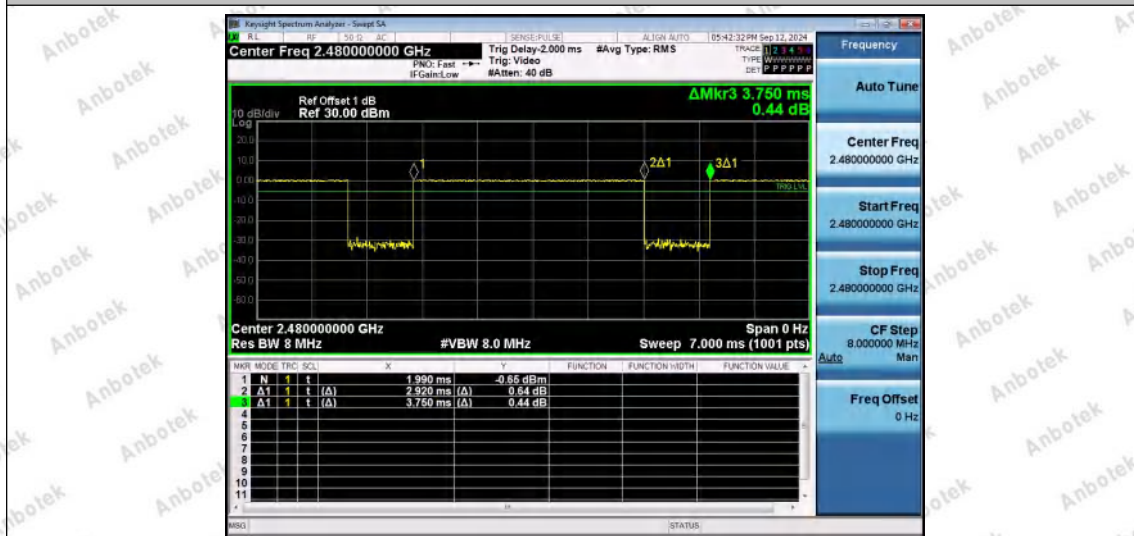
Test Graphs



NTNV-DH5-Ant1-2402



NTNV-DH5-Ant1-2441



NTNV-DH5-Ant1-2480

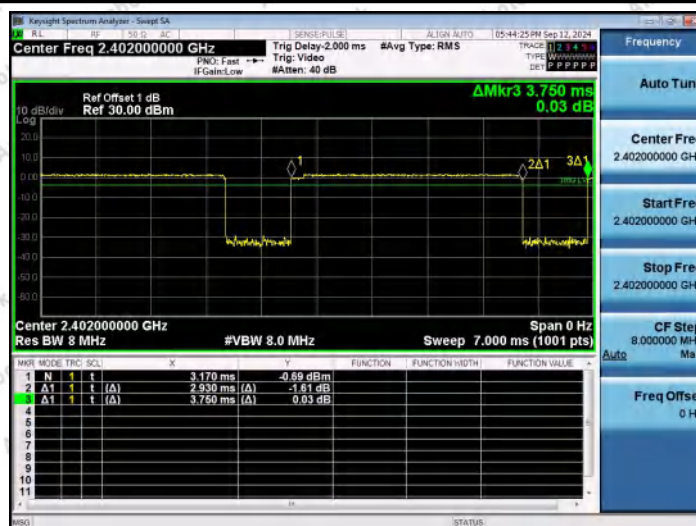
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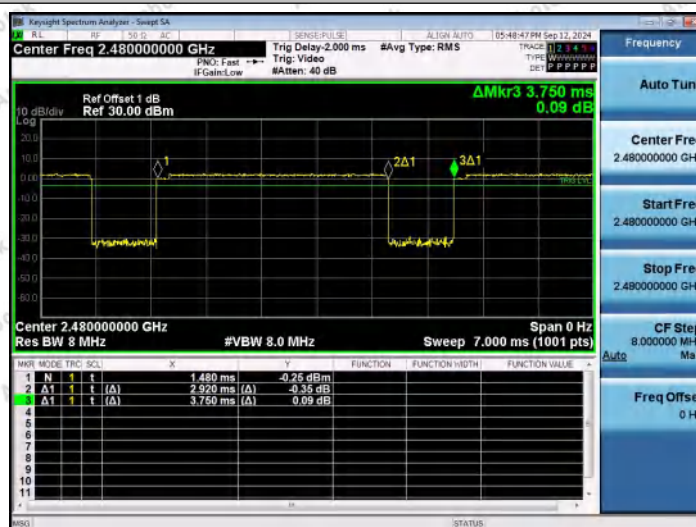




NTVN-2DH5-Ant1-2402



NTVN-2DH5-Ant1-2441

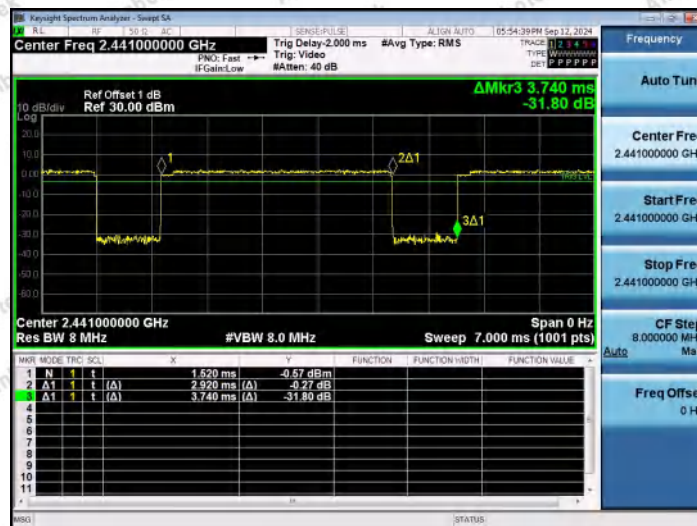


NTVN-2DH5-Ant1-2480

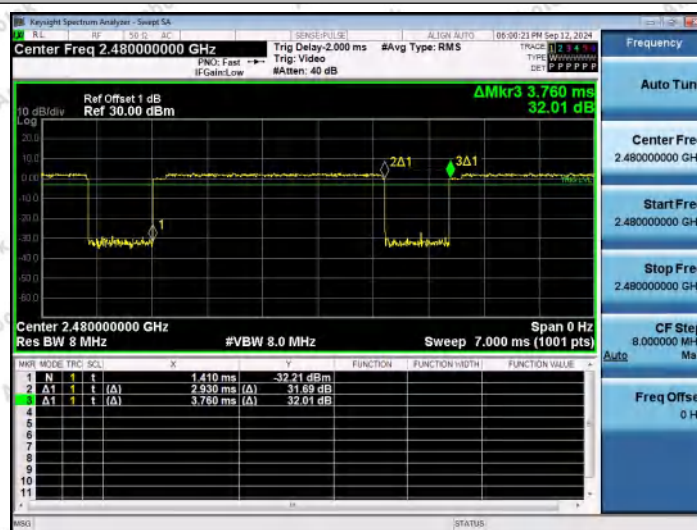




NTVN-3DH5-Ant1-2402



NTVN-3DH5-Ant1-2441



NTVN-3DH5-Ant1-2480

---End---

