

Appendix Test Data

Report No.:	1812C40008312501	Test Sample No.:	1-2-2
Start Test Date:	2024.8.20	Finish Test Date:	2024.9.12
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	24.6℃	Relative Humidity:	51%
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	0.822	2401.544	2402.366	---	---
DH5	Ant1	2441	0.843	2440.529	2441.372	---	---
DH5	Ant1	2480	0.855	2479.523	2480.378	---	---
2DH5	Ant1	2402	1.308	2401.349	2402.657	---	---
2DH5	Ant1	2441	1.302	2440.349	2441.651	---	---
2DH5	Ant1	2480	1.305	2479.349	2480.654	---	---
3DH5	Ant1	2402	1.275	2401.373	2402.648	---	---
3DH5	Ant1	2441	1.224	2440.421	2441.645	---	---
3DH5	Ant1	2480	1.218	2479.427	2480.645	---	---



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

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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	0.75925	2401.6485	2402.4077	---	---
DH5	Ant1	2441	0.77203	2440.6401	2441.4121	---	---
DH5	Ant1	2480	0.75303	2479.5812	2480.3342	---	---
2DH5	Ant1	2402	1.2251	2401.3938	2402.6189	---	---
2DH5	Ant1	2441	1.2231	2440.3919	2441.6150	---	---
2DH5	Ant1	2480	1.2227	2479.3924	2480.6151	---	---
3DH5	Ant1	2402	1.1212	2401.4521	2402.5733	---	---
3DH5	Ant1	2441	1.0904	2440.4529	2441.5433	---	---
3DH5	Ant1	2480	1.0911	2479.4548	2480.5459	---	---



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	5.49	≤30	PASS
DH5	Ant1	2441	6.65	≤30	PASS
DH5	Ant1	2480	5.25	≤30	PASS
2DH5	Ant1	2402	4.82	≤30	PASS
2DH5	Ant1	2441	6.17	≤30	PASS
2DH5	Ant1	2480	4.91	≤30	PASS
3DH5	Ant1	2402	5.39	≤30	PASS
3DH5	Ant1	2441	6.59	≤30	PASS
3DH5	Ant1	2480	5.37	≤30	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	0.982	≥0.570	PASS
2DH5	Ant1	Hop	0.986	≥0.872	PASS
3DH5	Ant1	Hop	1.022	≥0.850	PASS



Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS

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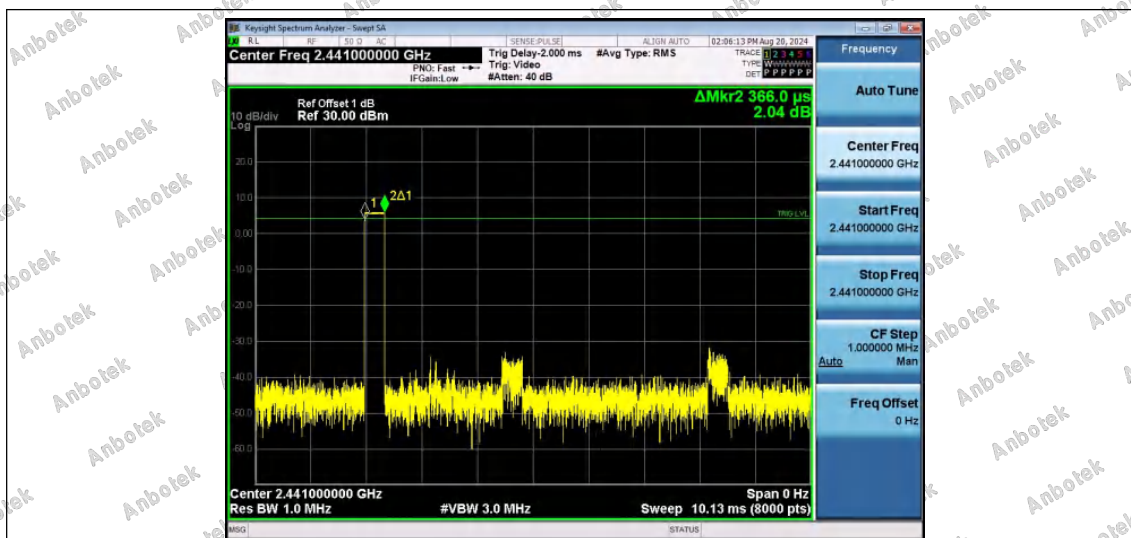
Appendix E: Dwell Time

Test Result

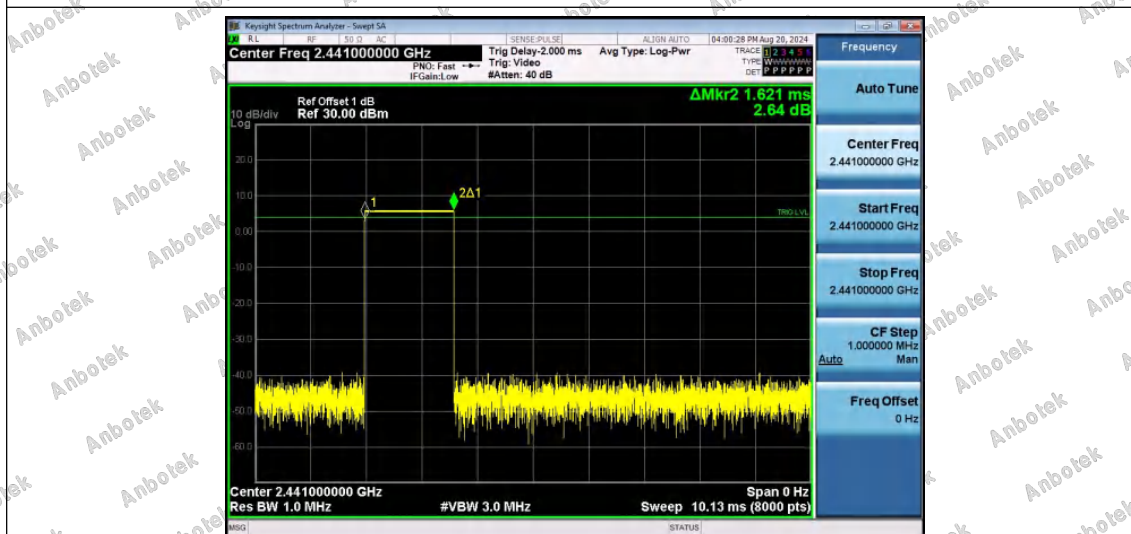
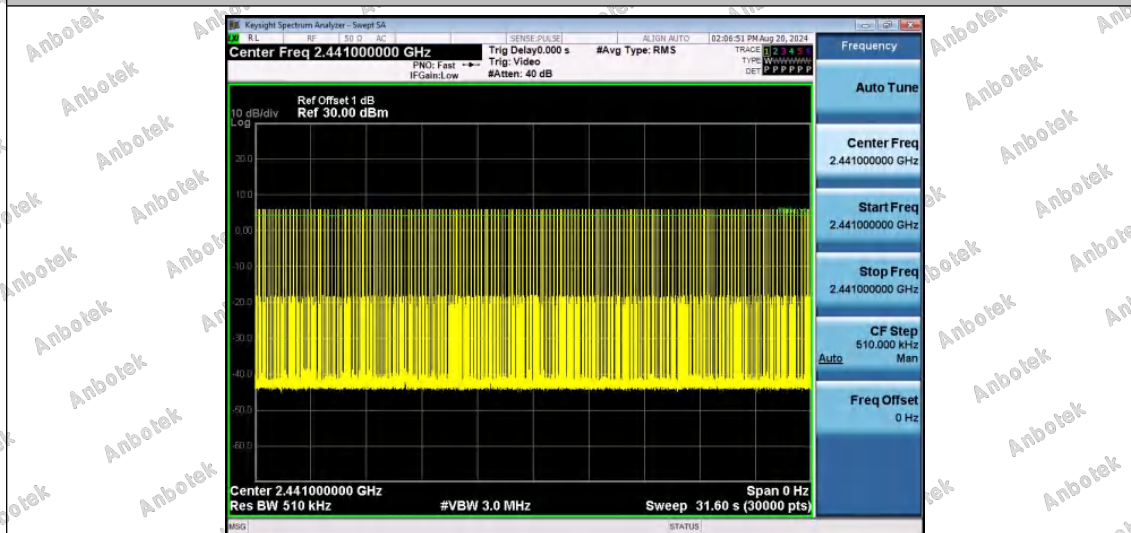
TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.366	319	0.117	≤0.4	PASS
DH3	Ant1	Hop	1.621	150	0.243	≤0.4	PASS
DH5	Ant1	Hop	2.870	111	0.319	≤0.4	PASS
2DH1	Ant1	Hop	0.376	320	0.12	≤0.4	PASS
2DH3	Ant1	Hop	1.629	163	0.266	≤0.4	PASS
2DH5	Ant1	Hop	2.877	93	0.268	≤0.4	PASS
3DH1	Ant1	Hop	0.376	319	0.12	≤0.4	PASS
3DH3	Ant1	Hop	1.626	172	0.28	≤0.4	PASS
3DH5	Ant1	Hop	2.878	96	0.276	≤0.4	PASS



Test Graphs

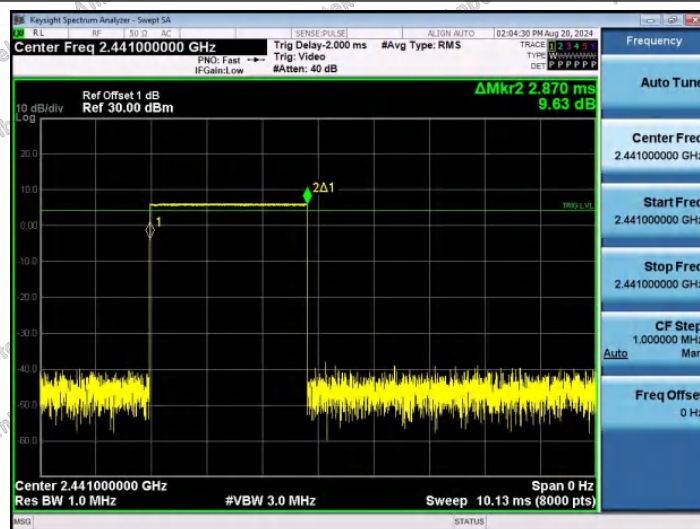
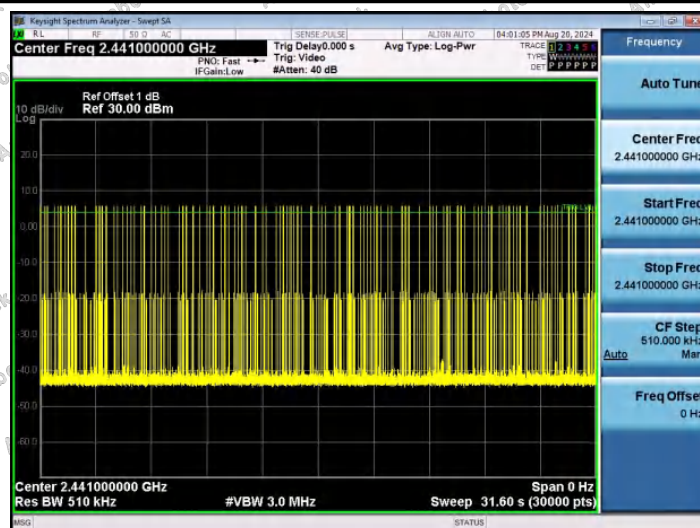


DH1-Ant1-Hop-PASS

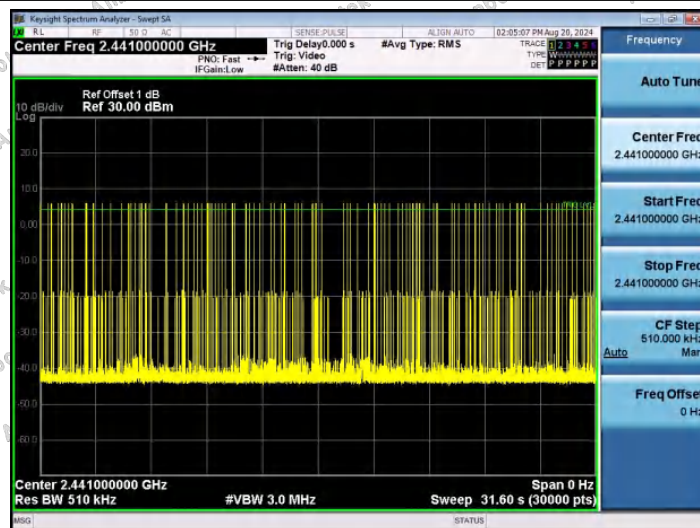


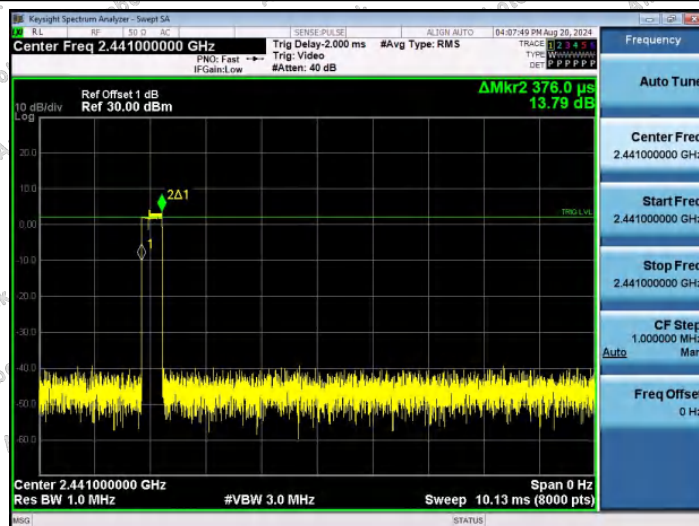
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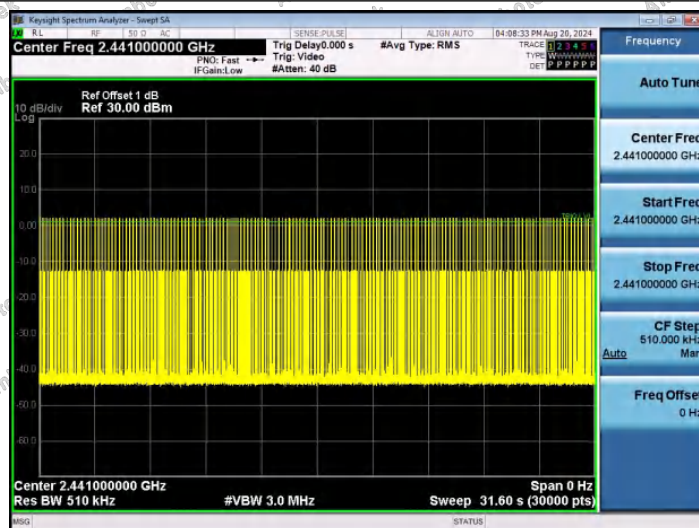


DH5-Ant1-Hop-PASS



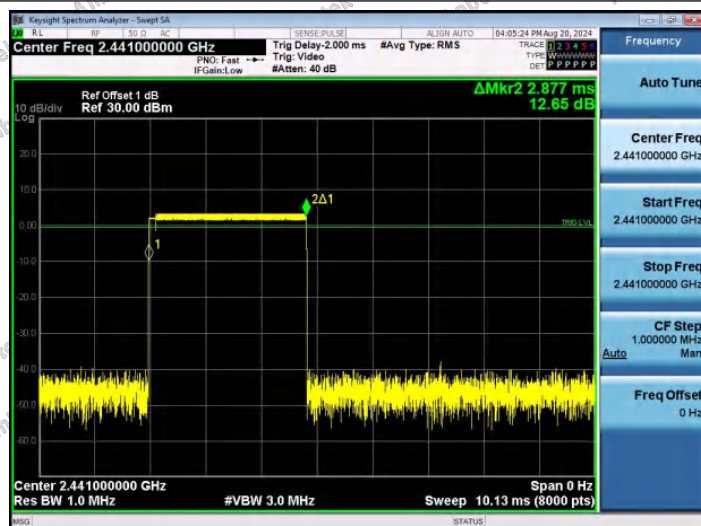
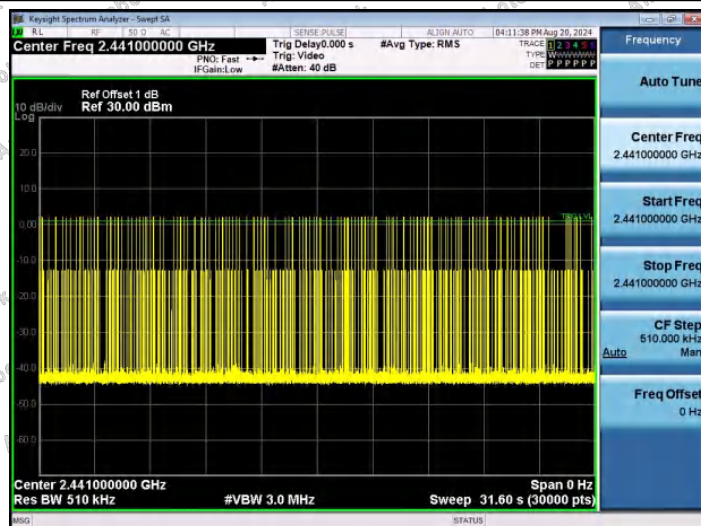


2DH1-Ant1-Hop-PASS

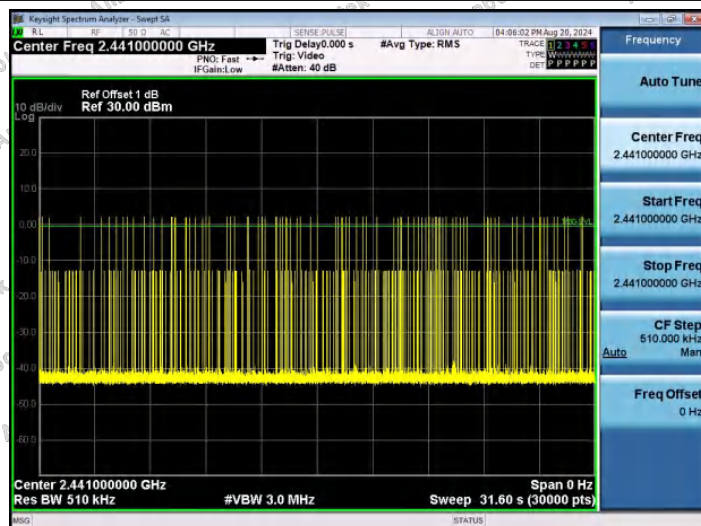


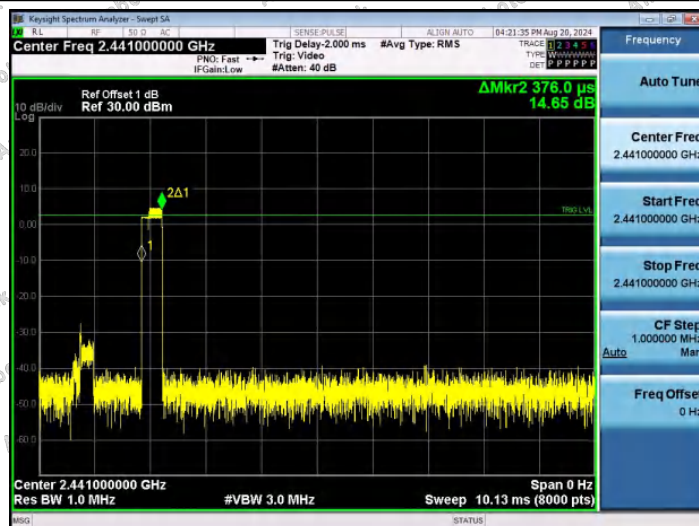
2DH3-Ant1-Hop-PASS



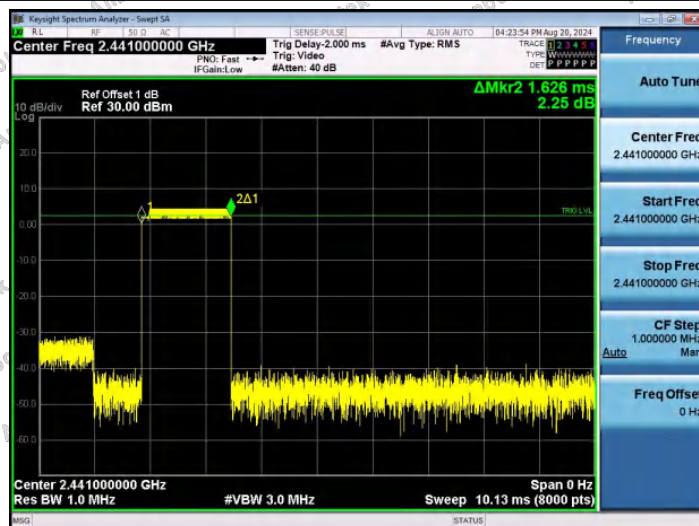
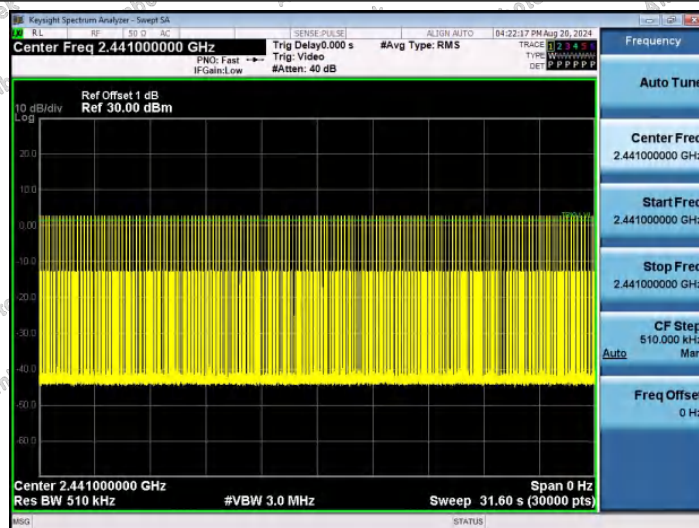


2DH5-Ant1-Hop-PASS



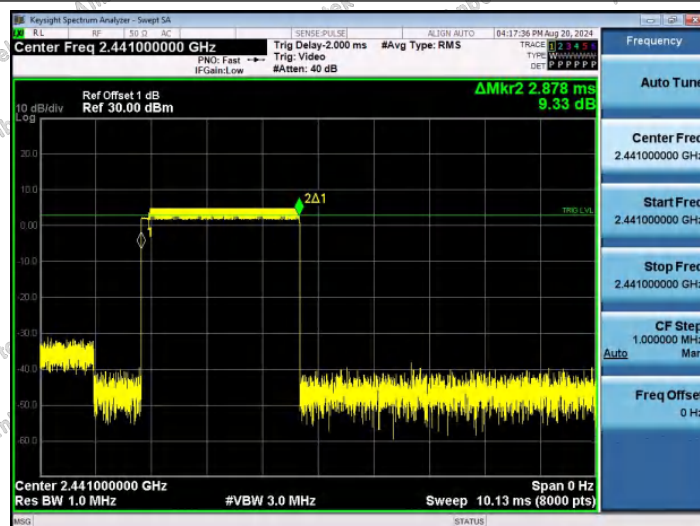
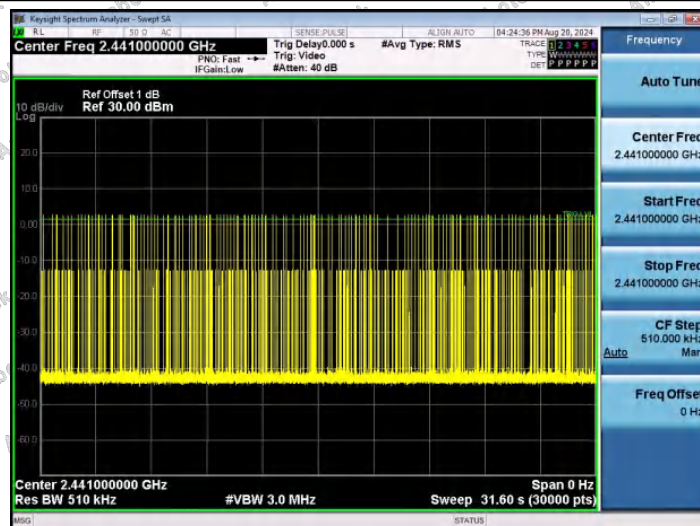


3DH1-Ant1-Hop-PASS

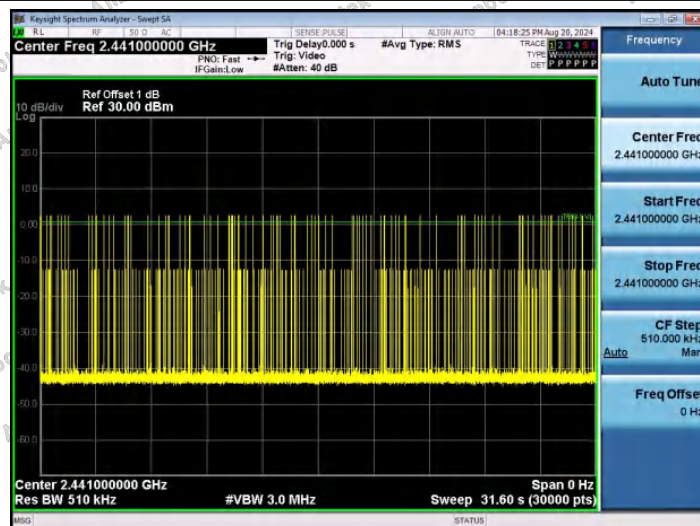


3DH3-Ant1-Hop-PASS





3DH5-Ant1-Hop-PASS



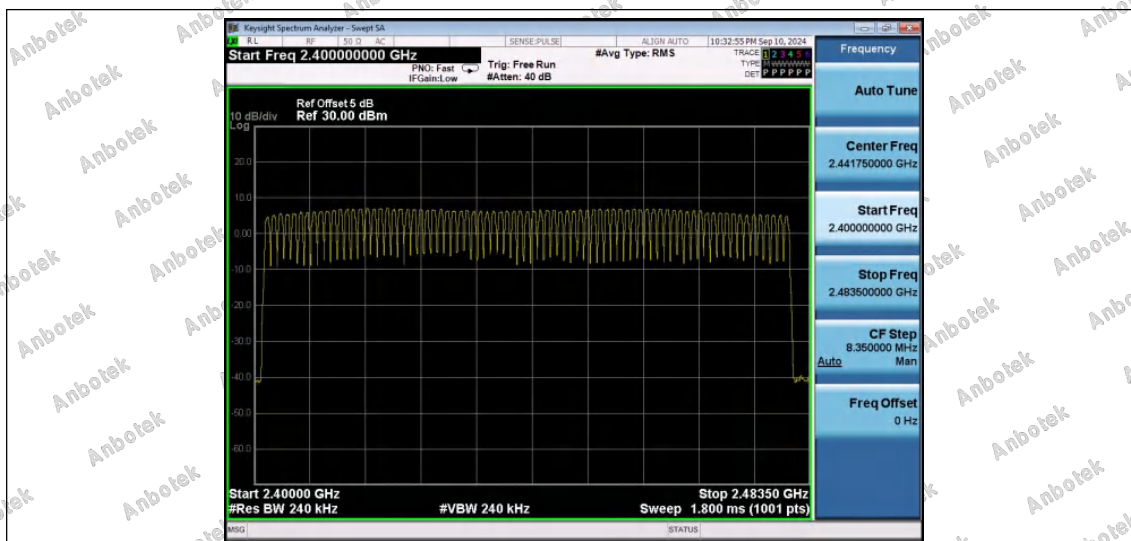
Appendix F: Number of Hopping Channel

Test Result

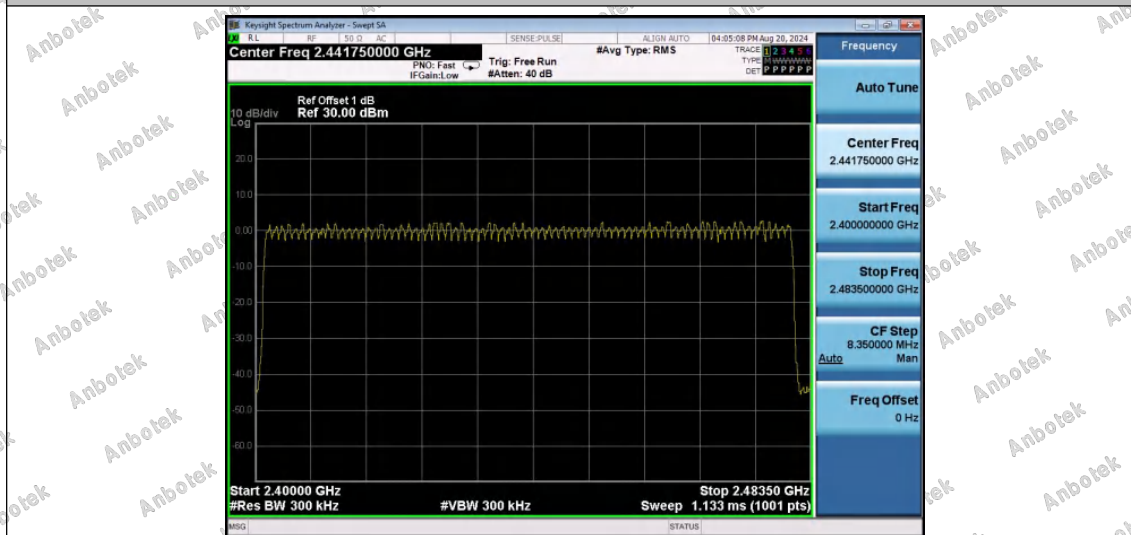
TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS



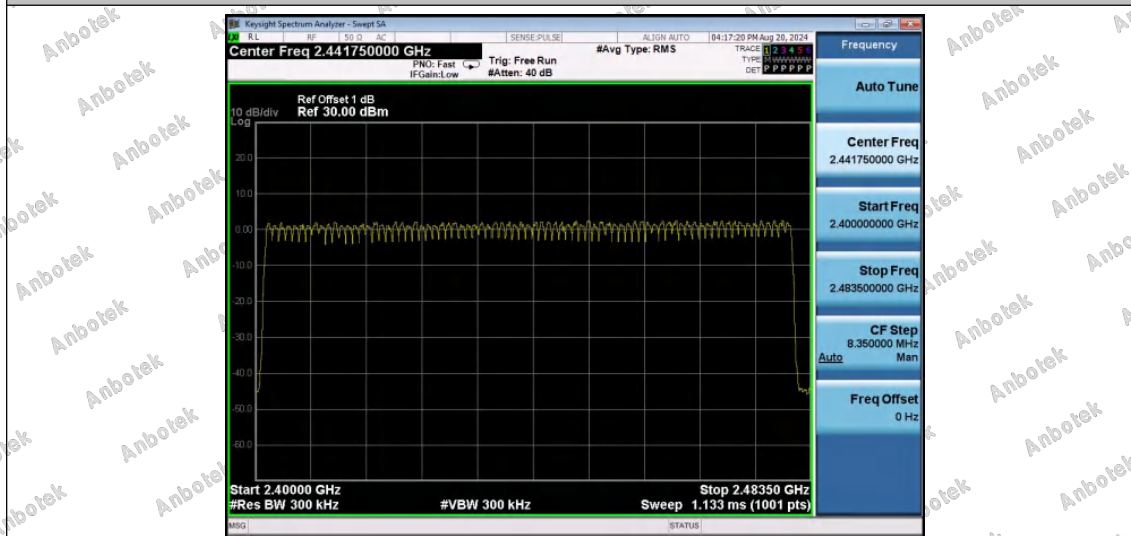
Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS

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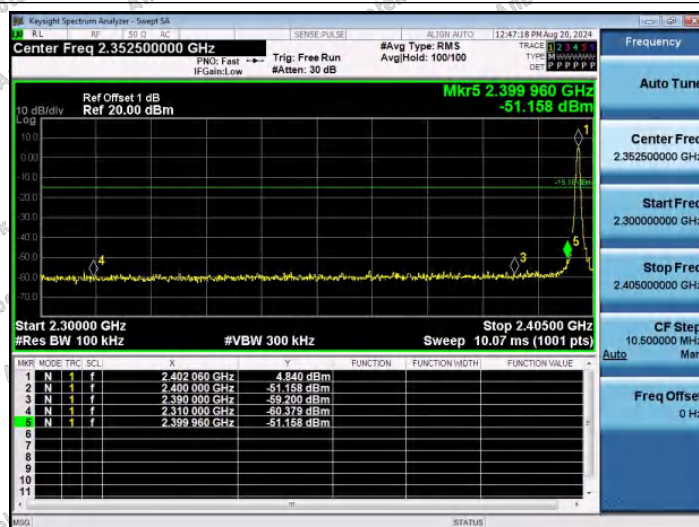
Appendix G: Conducted Band edge

Test Result

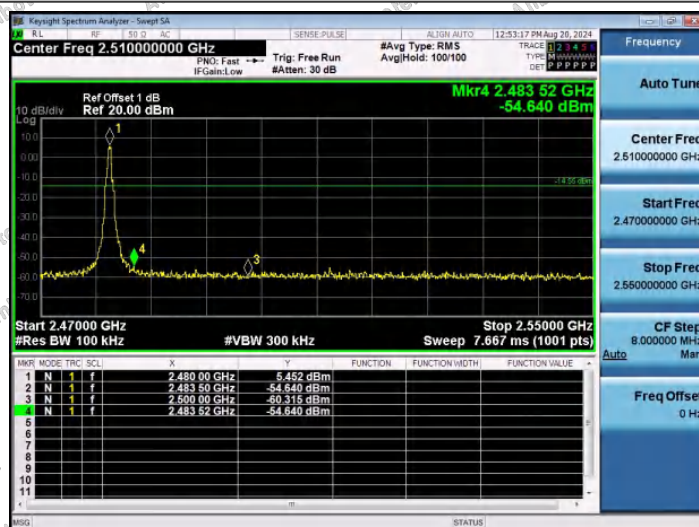
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	4.84	-51.16	≤-15.16	PASS
DH5	Ant1	High	2480	5.45	-54.64	≤-14.55	PASS
DH5	Ant1	Low	Hop_2402	1.87	-53.8	≤-18.13	PASS
DH5	Ant1	High	Hop_2480	5.16	-55.04	≤-14.84	PASS
2DH5	Ant1	Low	2402	0.61	-55.42	≤-19.4	PASS
2DH5	Ant1	High	2480	0.47	-55.97	≤-19.53	PASS
2DH5	Ant1	Low	Hop_2402	1.73	-52.9	≤-18.27	PASS
2DH5	Ant1	High	Hop_2480	2.18	-55.58	≤-17.82	PASS
3DH5	Ant1	Low	2402	1.42	-53.84	≤-18.58	PASS
3DH5	Ant1	High	2480	1.69	-56.33	≤-18.31	PASS
3DH5	Ant1	Low	Hop_2402	-0.14	-52.93	≤-20.14	PASS
3DH5	Ant1	High	Hop_2480	1.95	-56.23	≤-18.05	PASS



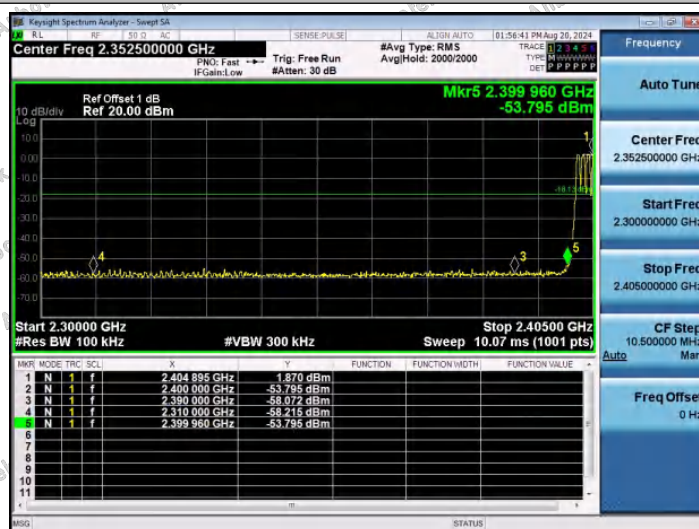
Test Graphs



DH5-Ant1-2402-PASS



DH5-Ant1-2480-PASS



DH5-Ant1-Hop 2402-PASS

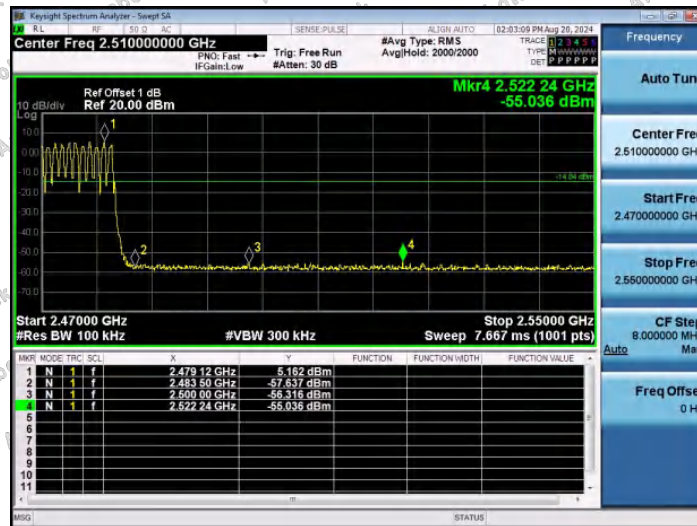
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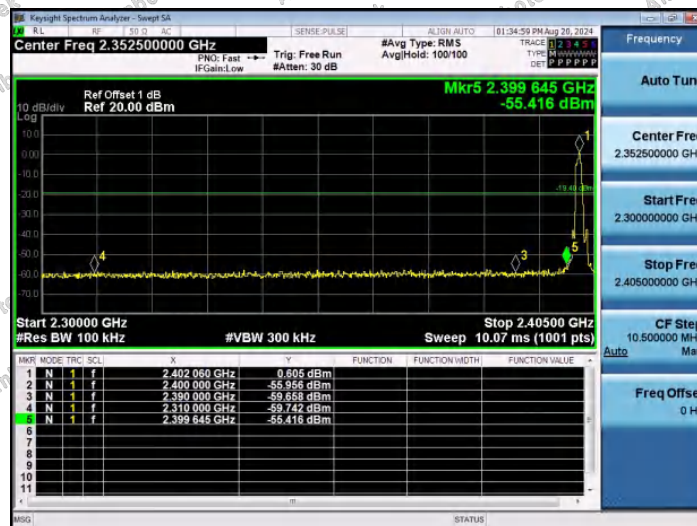
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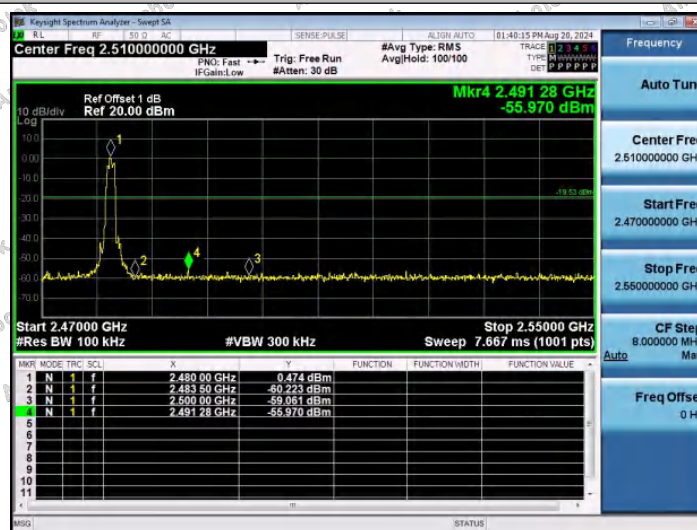




DH5-Ant1-Hop_2480-PASS



2DH5-Ant1-2402-PASS



2DH5-Ant1-2480-PASS

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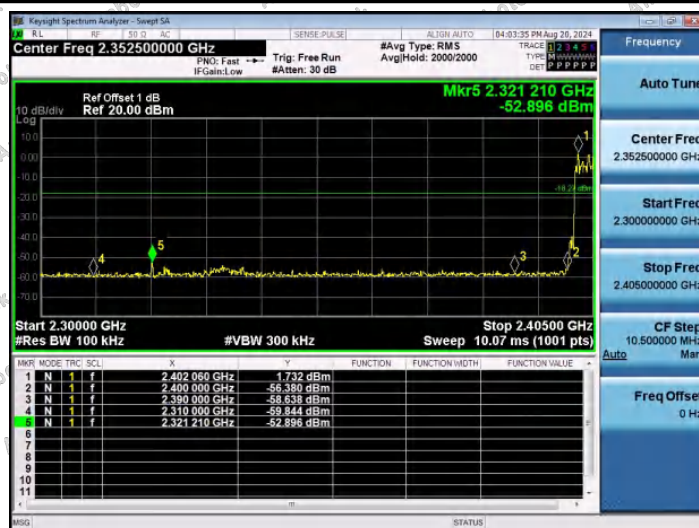
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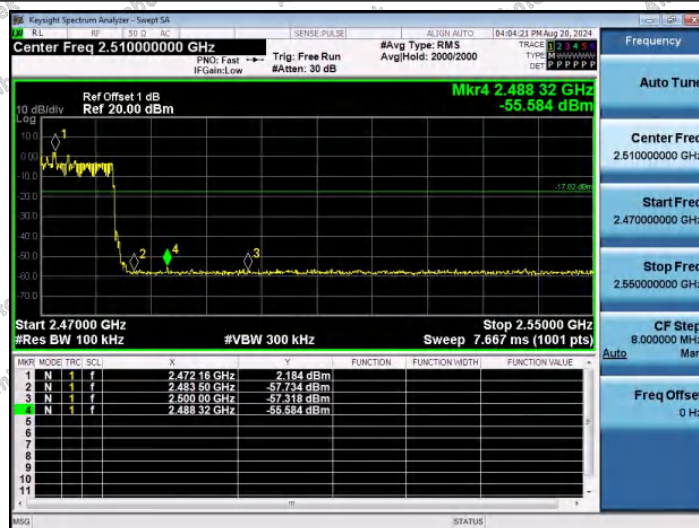
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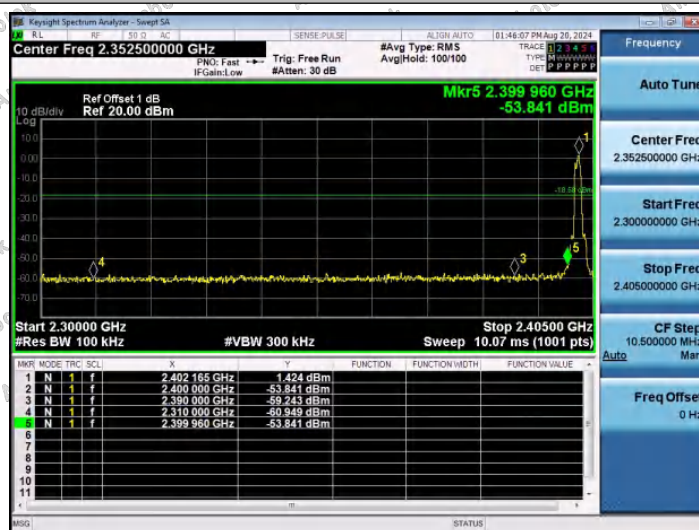




2DH5-Ant1-Hop_2402-PASS

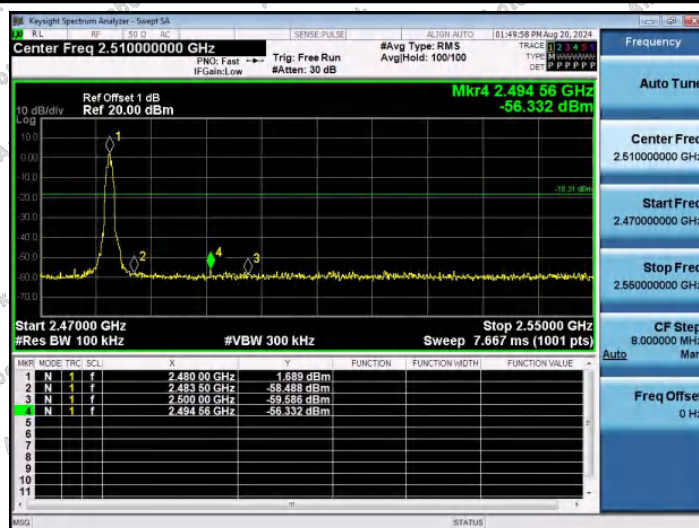


2DH5-Ant1-Hop_2480-PASS

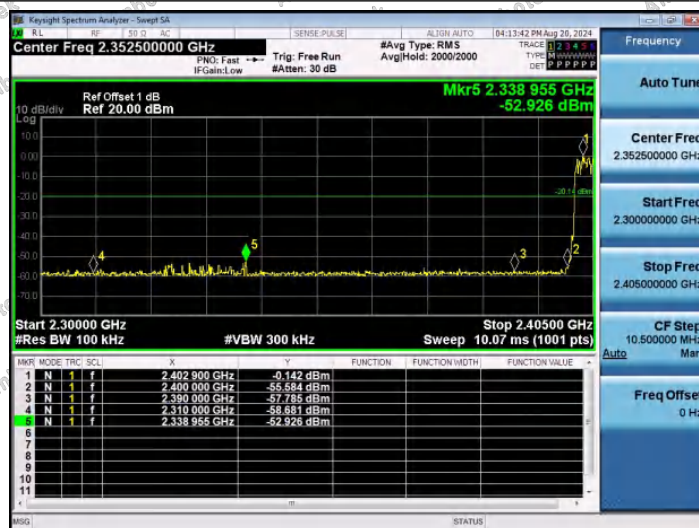


3DH5-Ant1-2402-PASS

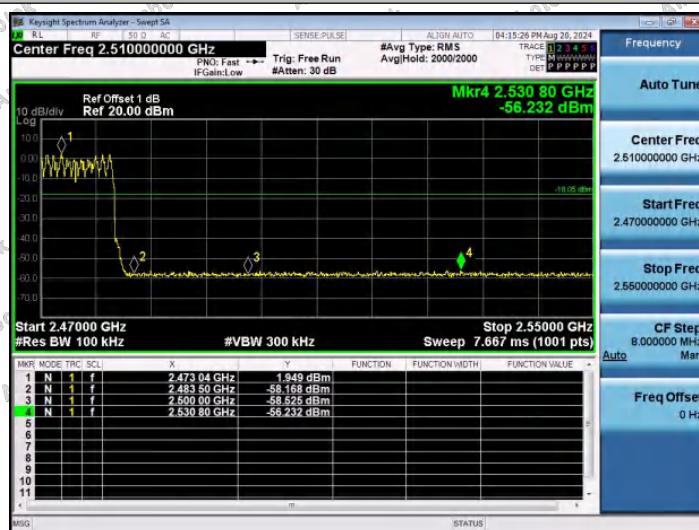




3DH5-Ant1-2480-PASS



3DH5-Ant1-Hop_2402-PASS



3DH5-Ant1-Hop_2480-PASS

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Appendix H: Conducted Spurious Emission

Test Result

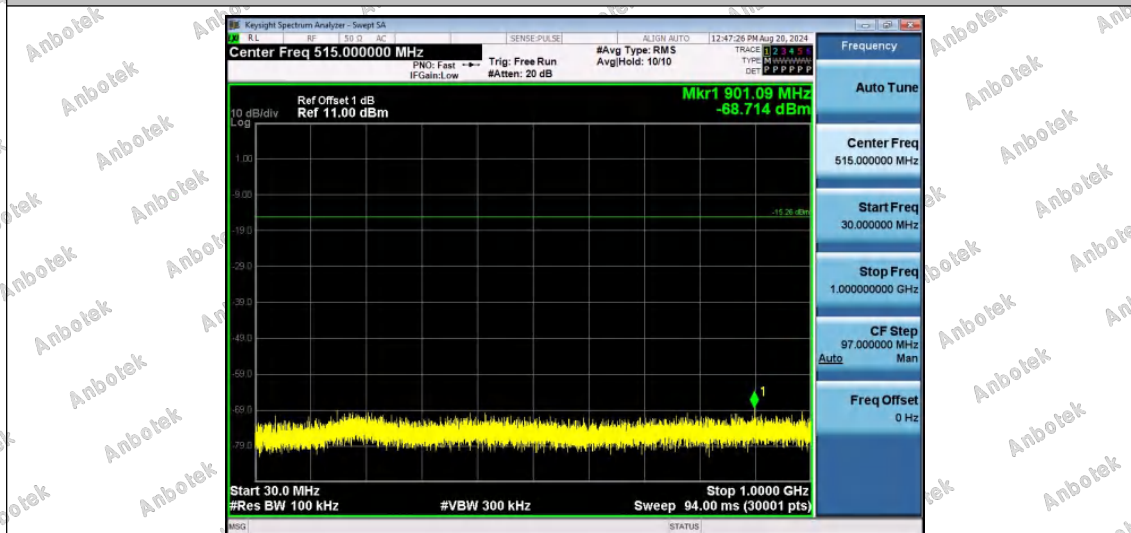
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	4.74	4.74	---	PASS
DH5	Ant1	2402	30~1000	4.74	-68.71	≤-15.26	PASS
DH5	Ant1	2402	1000~26500	4.74	-40.72	≤-15.26	PASS
DH5	Ant1	2441	0~Reference	5.49	5.49	---	PASS
DH5	Ant1	2441	30~1000	5.49	-68.06	≤-14.51	PASS
DH5	Ant1	2441	1000~26500	5.49	-46.32	≤-14.51	PASS
DH5	Ant1	2480	0~Reference	5.13	5.13	---	PASS
DH5	Ant1	2480	30~1000	5.13	-68.31	≤-14.87	PASS
DH5	Ant1	2480	1000~26500	5.13	-47.64	≤-14.87	PASS
2DH5	Ant1	2402	0~Reference	1.67	1.67	---	PASS
2DH5	Ant1	2402	30~1000	1.67	-69.13	≤-18.33	PASS
2DH5	Ant1	2402	1000~26500	1.67	-45.42	≤-18.33	PASS
2DH5	Ant1	2441	0~Reference	1.93	1.93	---	PASS
2DH5	Ant1	2441	30~1000	1.93	-68.75	≤-18.07	PASS
2DH5	Ant1	2441	1000~26500	1.93	-48.2	≤-18.07	PASS
2DH5	Ant1	2480	0~Reference	2.54	2.54	---	PASS
2DH5	Ant1	2480	30~1000	2.54	-68.87	≤-17.46	PASS
2DH5	Ant1	2480	1000~26500	2.54	-51.48	≤-17.46	PASS
3DH5	Ant1	2402	0~Reference	1.62	1.62	---	PASS
3DH5	Ant1	2402	30~1000	1.62	-68.67	≤-18.38	PASS
3DH5	Ant1	2402	1000~26500	1.62	-47.47	≤-18.38	PASS
3DH5	Ant1	2441	0~Reference	1.00	1.00	---	PASS
3DH5	Ant1	2441	30~1000	1.00	-68.88	≤-19	PASS
3DH5	Ant1	2441	1000~26500	1.00	-50.44	≤-19	PASS
3DH5	Ant1	2480	0~Reference	1.82	1.82	---	PASS
3DH5	Ant1	2480	30~1000	1.82	-68.63	≤-18.18	PASS
3DH5	Ant1	2480	1000~26500	1.82	-53.18	≤-18.18	PASS



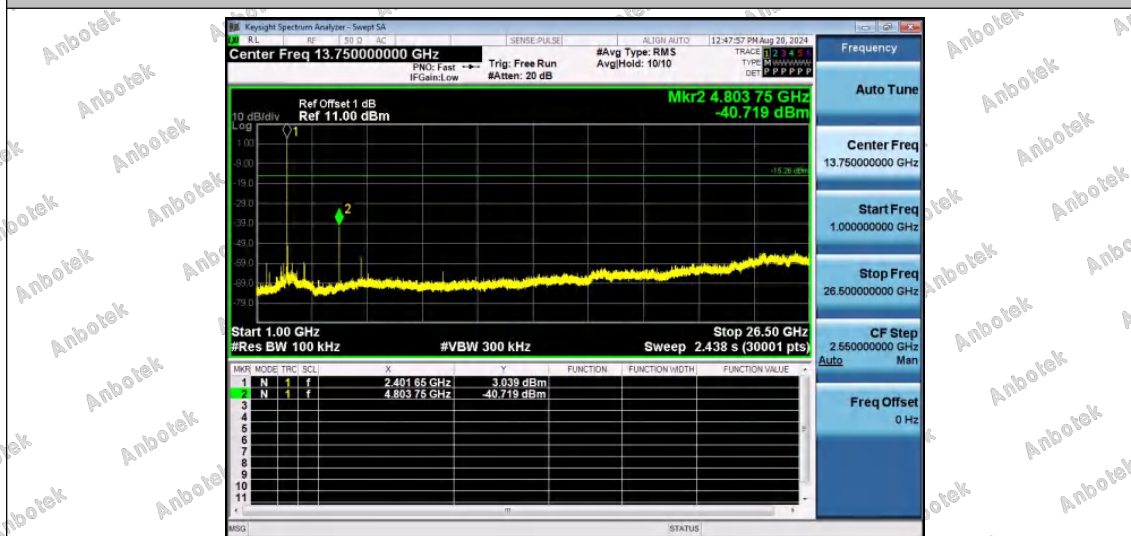
Test Graphs



DH5-Ant1-2402-0~Reference-PASS



DH5-Ant1-2402-30~1000-PASS



DH5-Ant1-2402-1000~26500-PASS

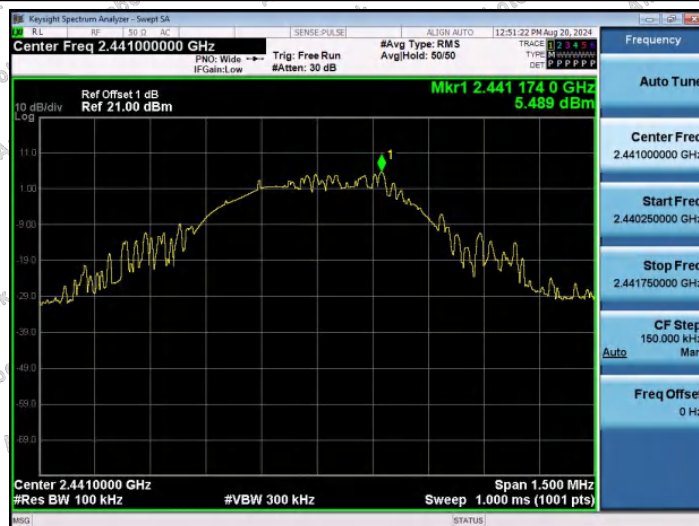
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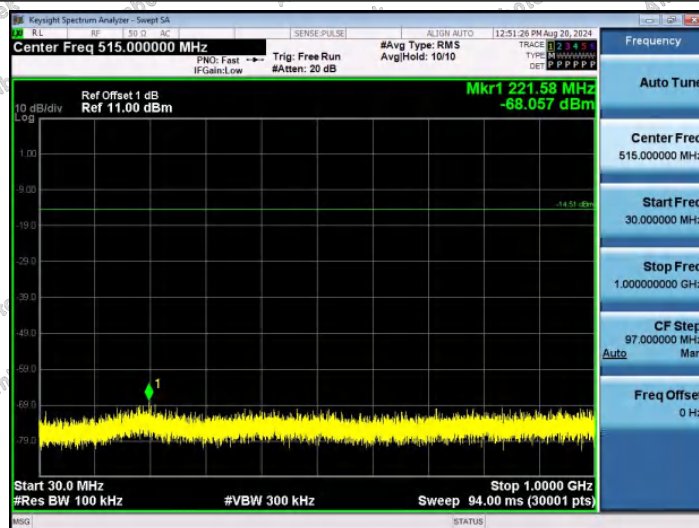


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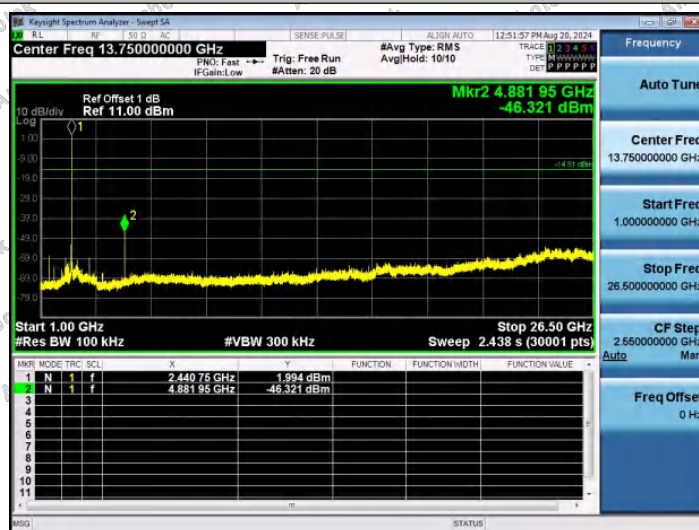




DH5-Ant1-2441-0~Reference-PASS

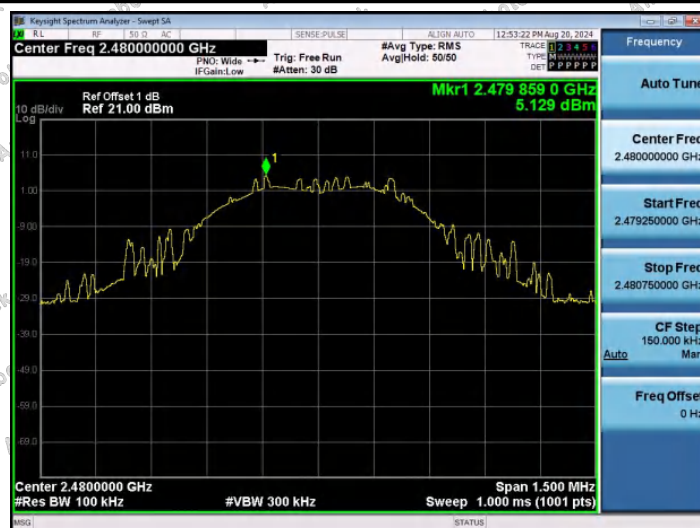


DH5-Ant1-2441-30~1000-PASS

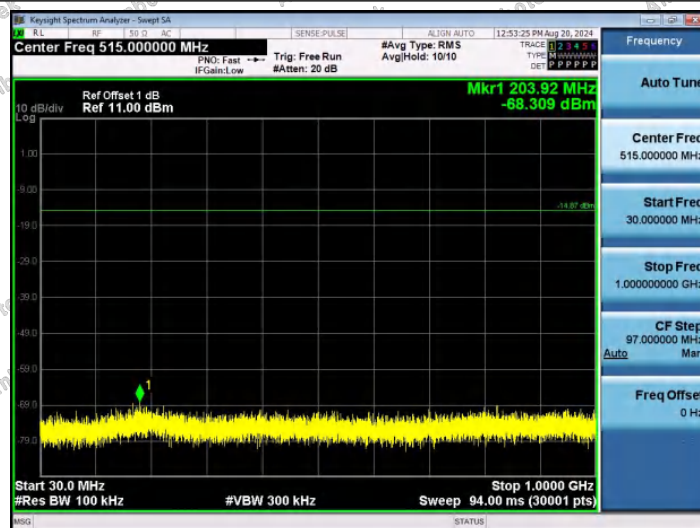


DH5-Ant1-2441-1000~26500-PASS

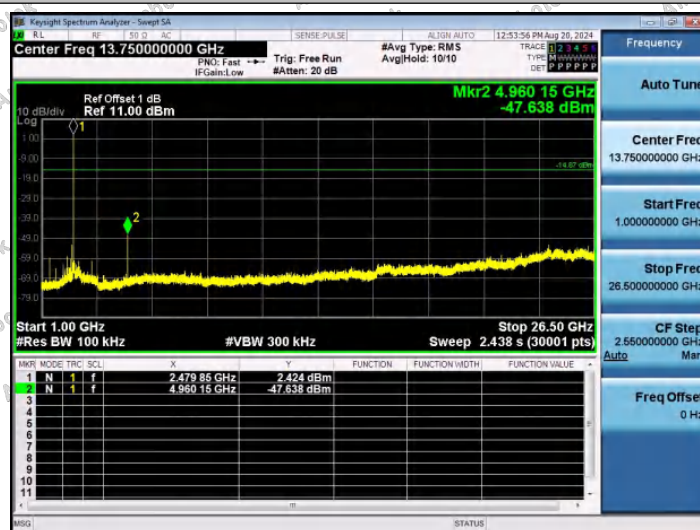




DH5-Ant1-2480-0~Reference-PASS



DH5-Ant1-2480-30~1000-PASS

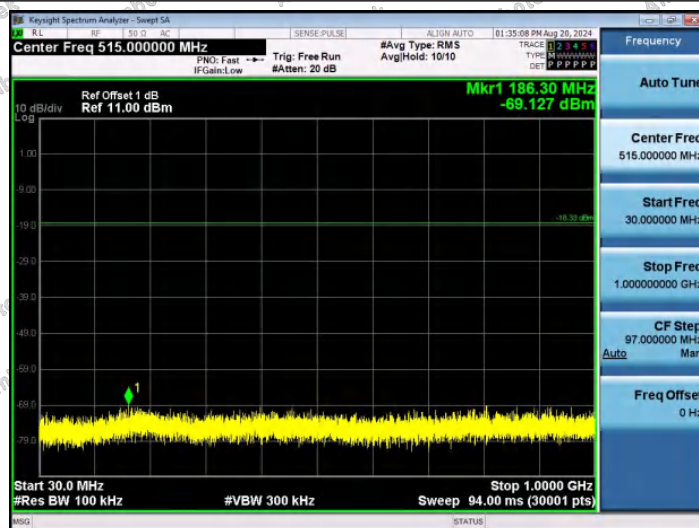


DH5-Ant1-2480-1000~26500-PASS

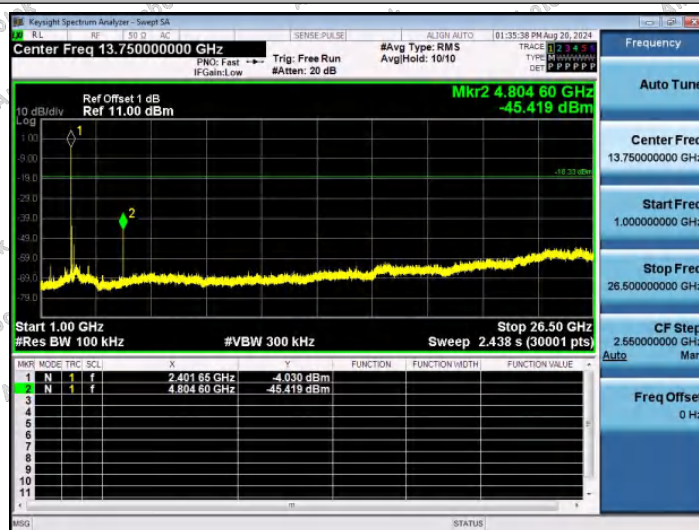




2DH5-Ant1-2402-0~Reference-PASS



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

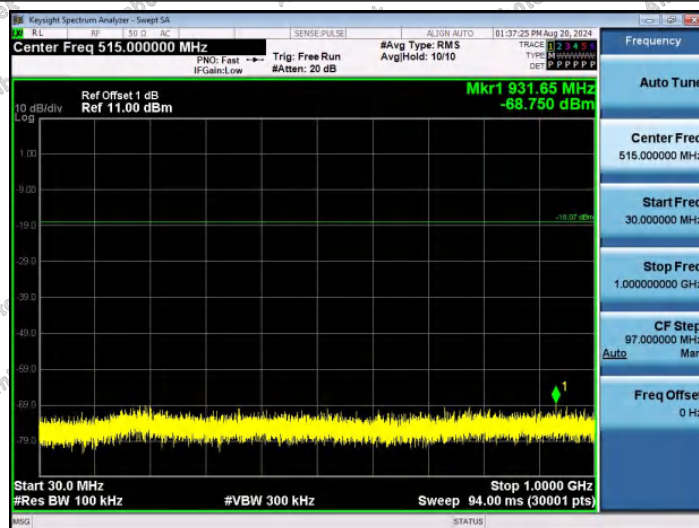


2DH5-Ant1-2402-1000~26500-PASS

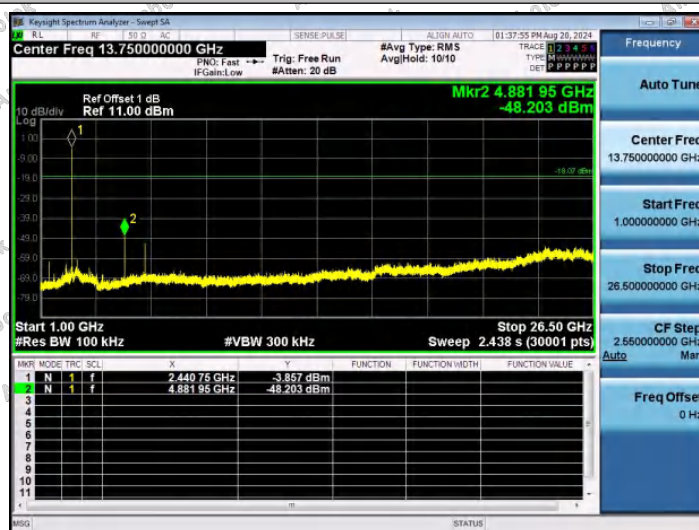




2DH5-Ant1-2441-0~Reference-PASS



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

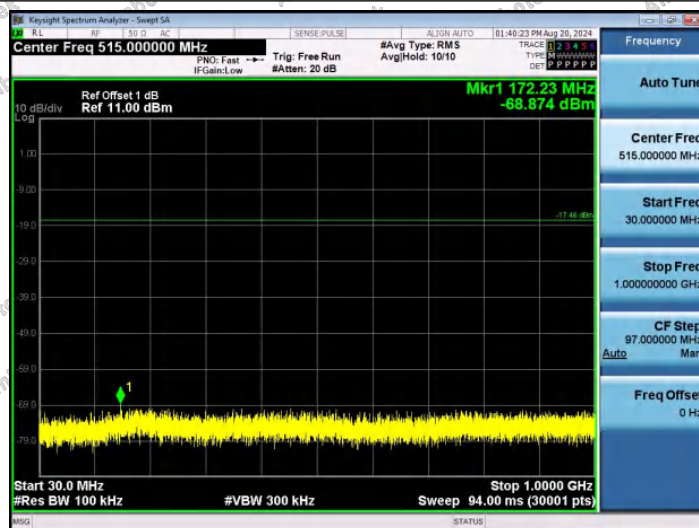


2DH5-Ant1-2441-1000~26500-PASS

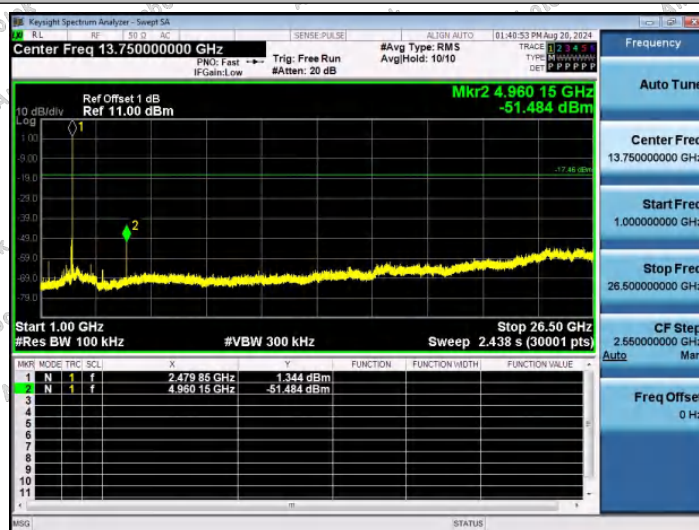




2DH5-Ant1-2480-0~Reference-PASS



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

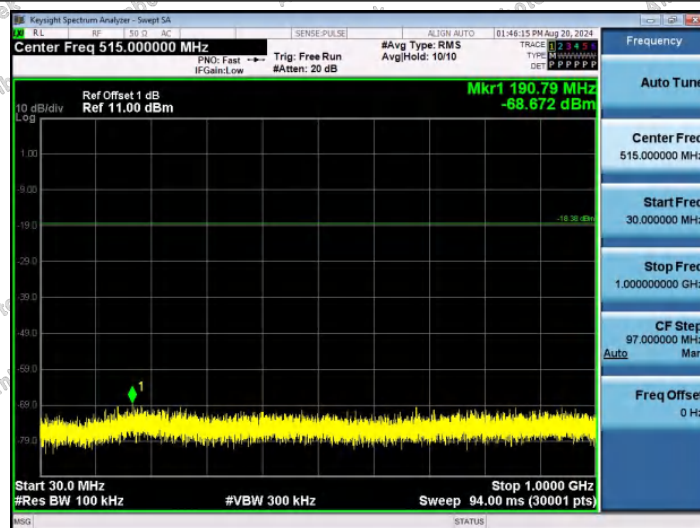


2DH5-Ant1-2480-1000~26500-PASS

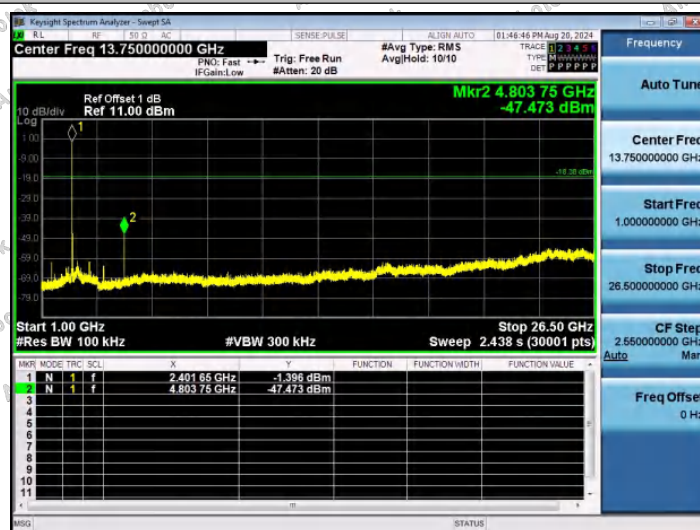




3DH5-Ant1-2402-0~Reference-PASS



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

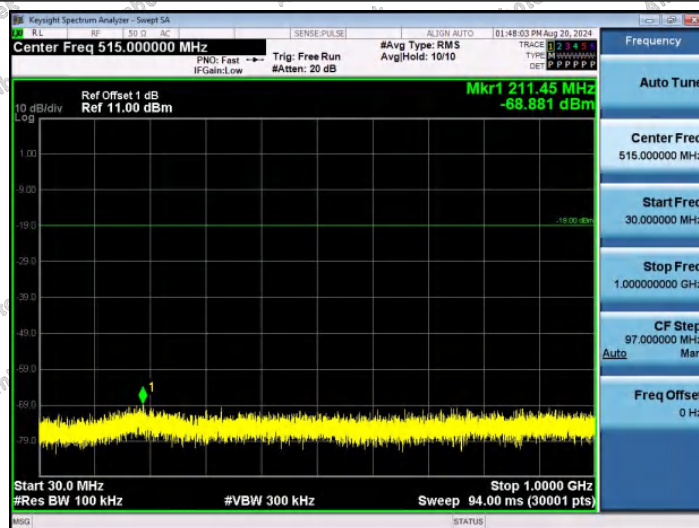


3DH5-Ant1-2402-1000~26500-PASS

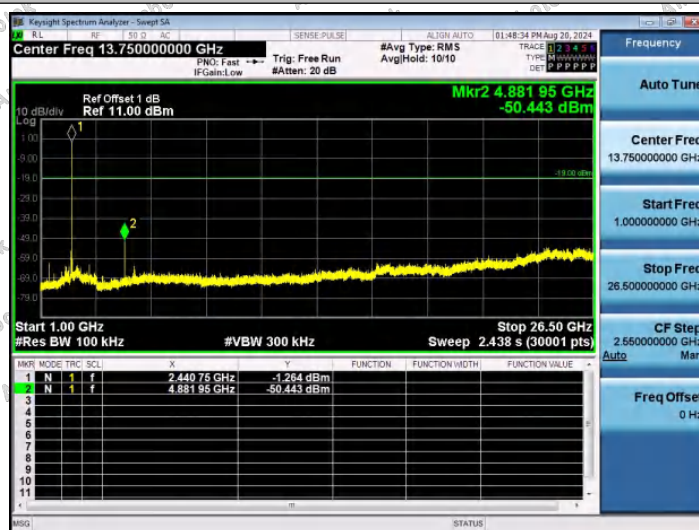




3DH5-Ant1-2441-0~Reference-PASS



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

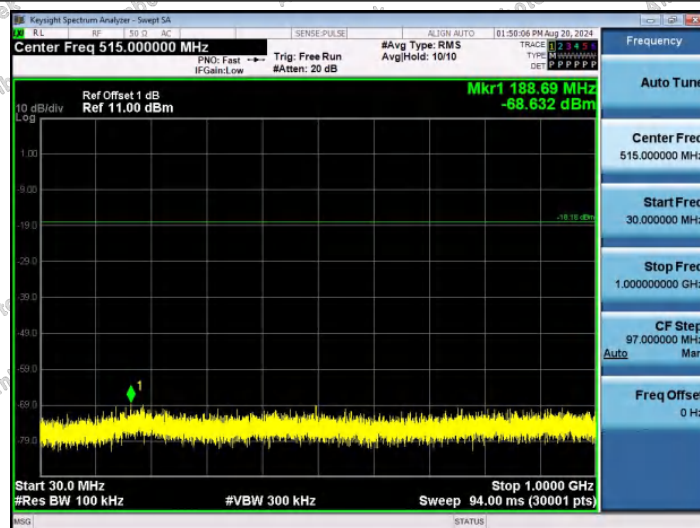


3DH5-Ant1-2441-1000~26500-PASS

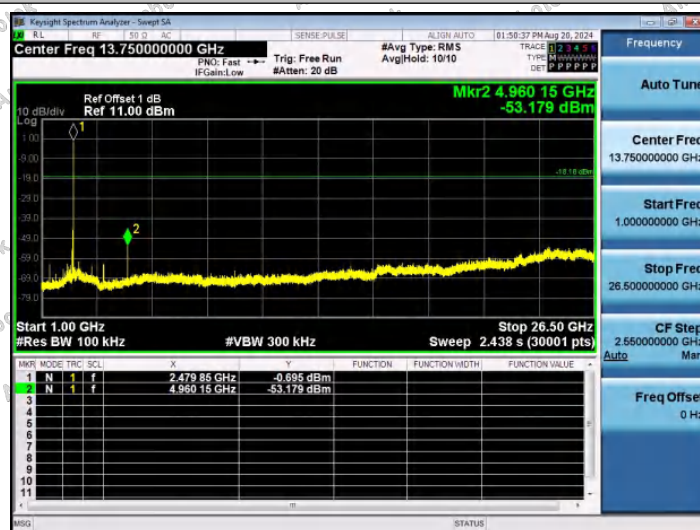




3DH5-Ant1-2480-0~Reference-PASS



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



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



Appendix I: Duty Cycle

Test Result

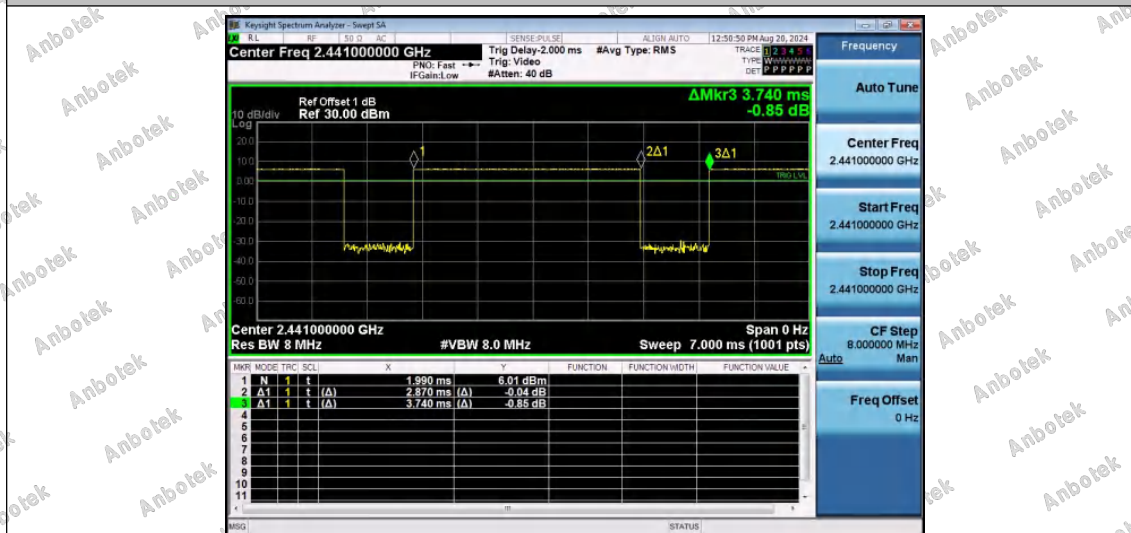
TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.87	3.75	76.53	1.16
DH5	Ant1	2441	2.87	3.74	76.74	1.15
DH5	Ant1	2480	2.87	3.75	76.53	1.16
2DH5	Ant1	2402	2.88	3.75	76.80	1.15
2DH5	Ant1	2441	2.88	3.75	76.80	1.15
2DH5	Ant1	2480	2.89	3.76	76.86	1.14
3DH5	Ant1	2402	2.89	3.76	76.86	1.14
3DH5	Ant1	2441	2.88	3.74	77.01	1.13
3DH5	Ant1	2480	2.89	3.75	77.07	1.13



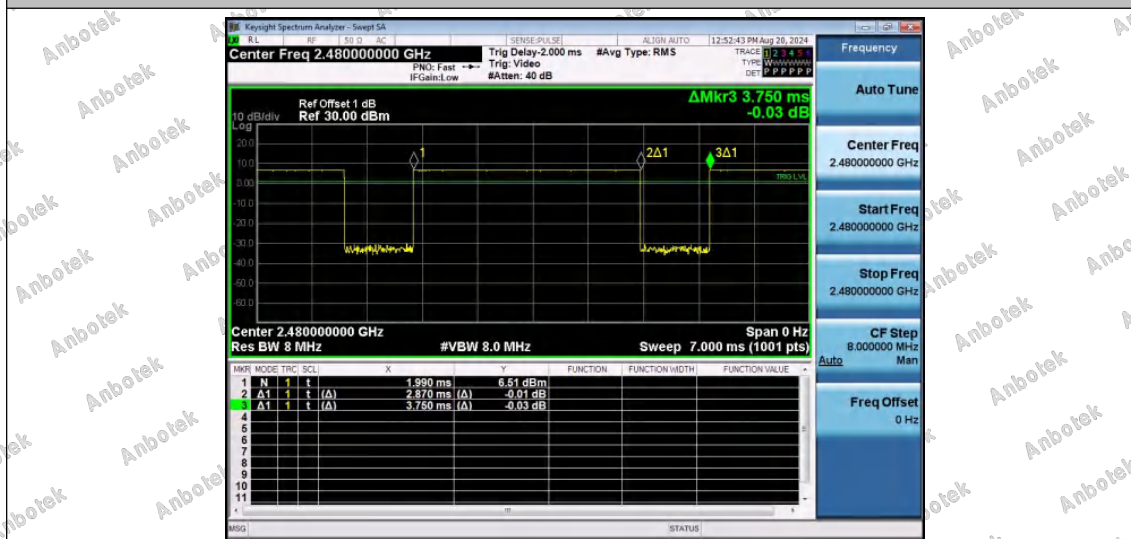
Test Graphs



NTNV-DH5-Ant1-2402



NTNV-DH5-Ant1-2441



NTNV-DH5-Ant1-2480

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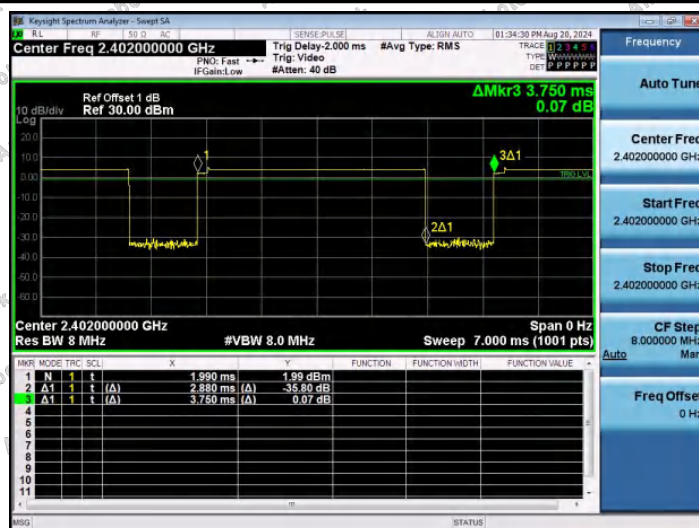
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hahqcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China.

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



Hotline
400-003-0500
www.anbotech.com





NTVN-2DH5-Ant1-2402



NTVN-2DH5-Ant1-2441

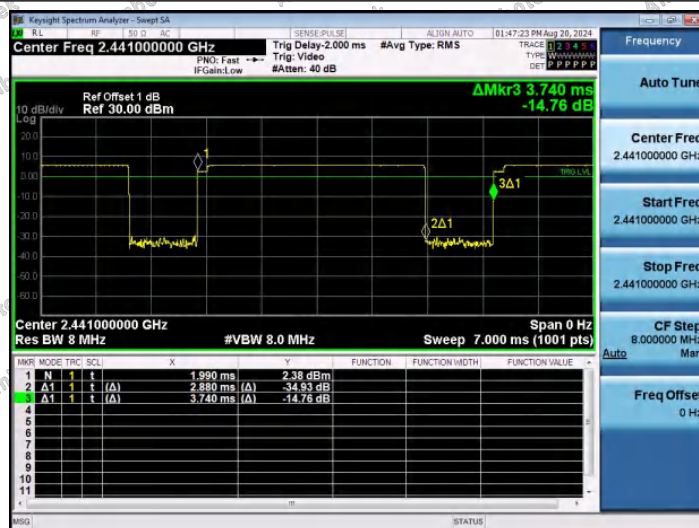


NTVN-2DH5-Ant1-2480

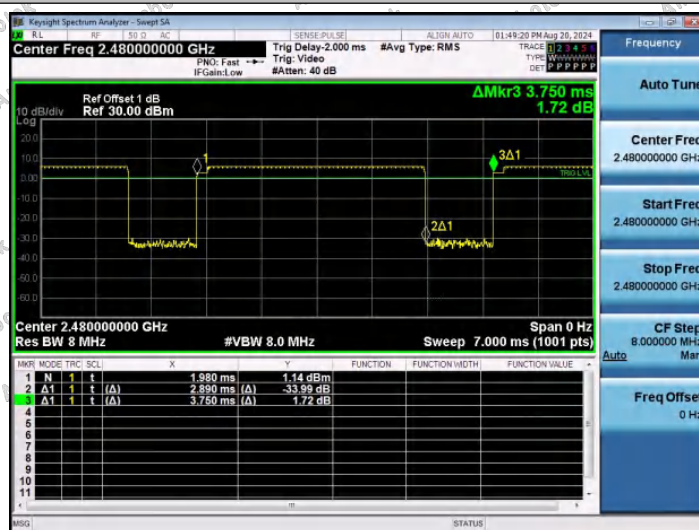




NTVN-3DH5-Ant1-2402



NTVN-3DH5-Ant1-2441



NTVN-3DH5-Ant1-2480

---End---

