

Appendix Test Data

Report No.:	182512C400394101	Test Sample No.:	1-2-2
Start Test Date:	2024.7.5	Finish Test Date:	2024.8.20
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	24.4℃	Relative Humidity:	53%
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	0.615	2401.706	2402.321	---	---
DH5	Ant1	2441	0.564	2440.757	2441.321	---	---
DH5	Ant1	2480	0.639	2479.706	2480.345	---	---
2DH5	Ant1	2402	1.158	2401.445	2402.603	---	---
2DH5	Ant1	2441	1.158	2440.445	2441.603	---	---
2DH5	Ant1	2480	1.089	2479.499	2480.588	---	---
3DH5	Ant1	2402	1.059	2401.457	2402.516	---	---
3DH5	Ant1	2441	1.056	2440.481	2441.537	---	---
3DH5	Ant1	2480	1.137	2479.451	2480.588	---	---



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	0.70707	2401.7053	2402.4124	---	---
DH5	Ant1	2441	0.79280	2440.6455	2441.4383	---	---
DH5	Ant1	2480	0.75334	2479.6276	2480.3809	---	---
2DH5	Ant1	2402	1.0416	2401.4737	2402.5153	---	---
2DH5	Ant1	2441	1.0524	2440.4775	2441.5299	---	---
2DH5	Ant1	2480	0.92637	2479.5625	2480.4888	---	---
3DH5	Ant1	2402	1.0412	2401.5040	2402.5452	---	---
3DH5	Ant1	2441	1.0710	2440.4802	2441.5512	---	---
3DH5	Ant1	2480	1.0720	2479.4808	2480.5528	---	---



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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DH5-Ant1-2441-PASS



DH5-Ant1-2480-PASS



2DH5-Ant1-2402-PASS

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2DH5-Ant1-2441-PASS



2DH5-Ant1-2480-PASS



3DH5-Ant1-2402-PASS

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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	0.996	≥0.426	PASS
2DH5	Ant1	Hop	0.988	≥0.772	PASS
3DH5	Ant1	Hop	1.008	≥0.758	PASS



Test Graphs



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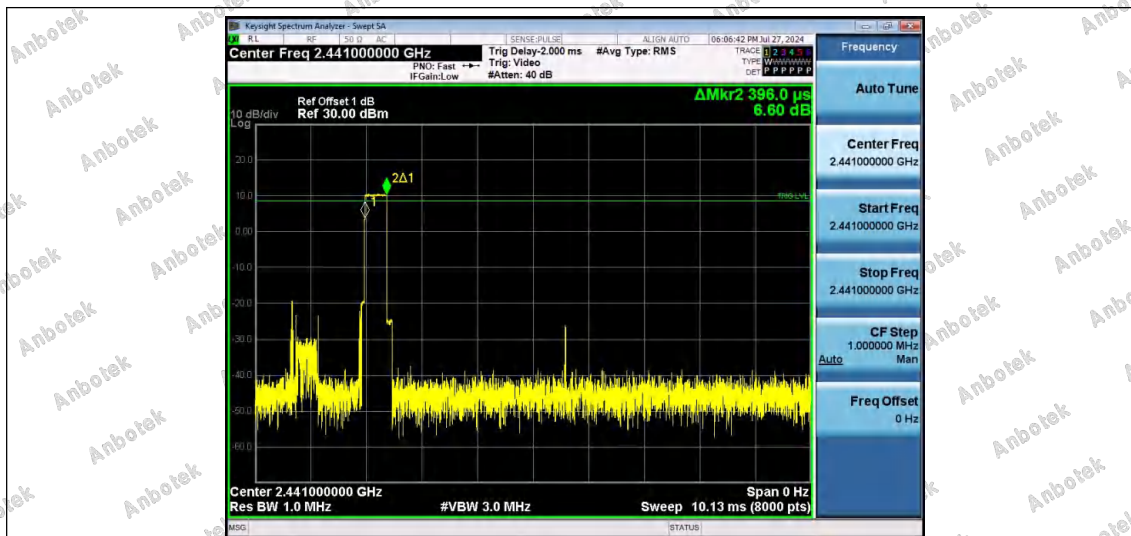
Appendix E: Dwell Time

Test Result

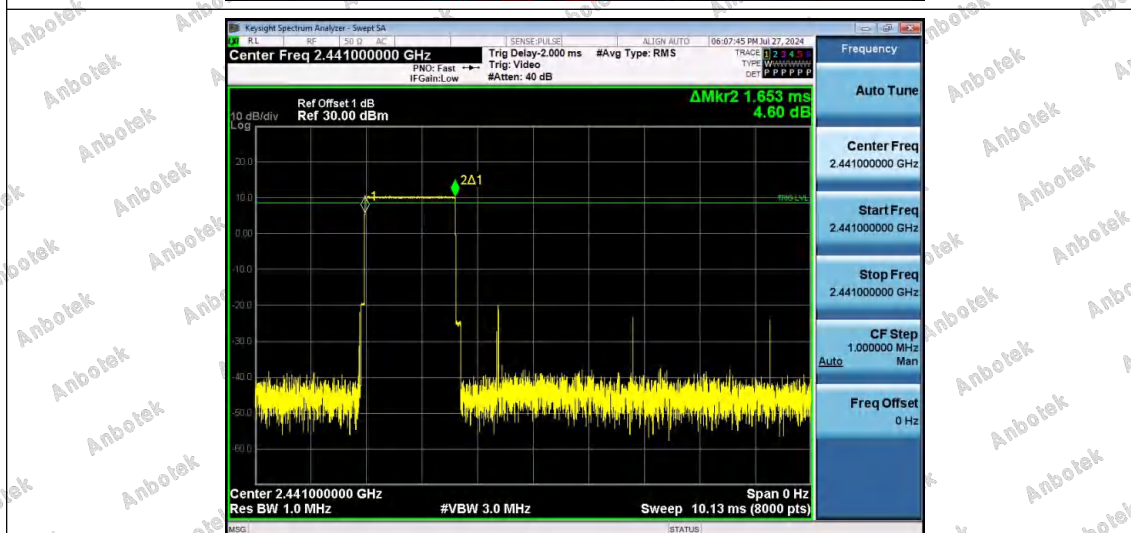
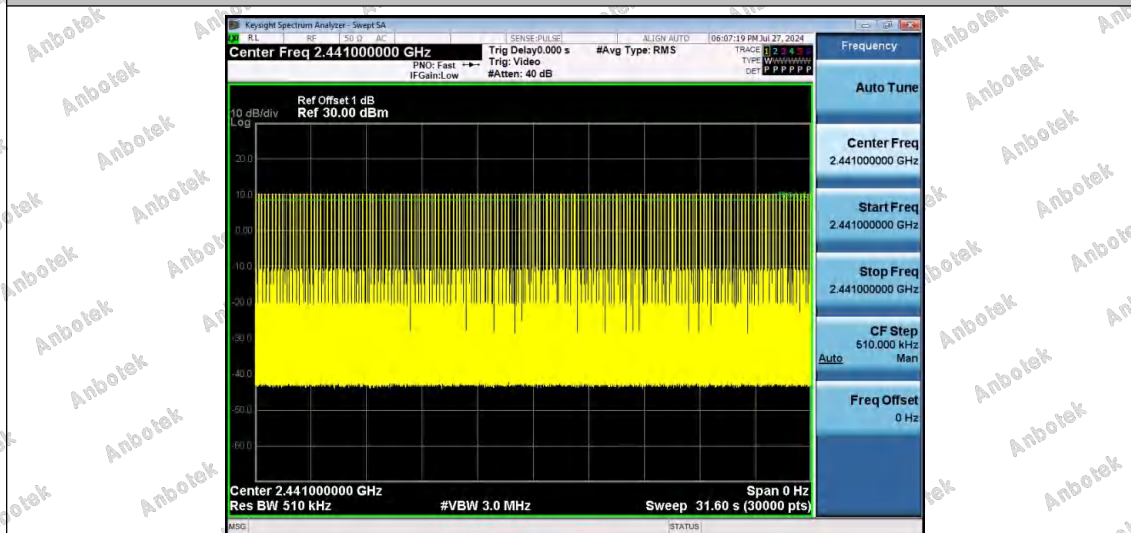
TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.396	318	0.126	≤0.4	PASS
DH3	Ant1	Hop	1.653	161	0.266	≤0.4	PASS
DH5	Ant1	Hop	2.901	100	0.29	≤0.4	PASS
2DH1	Ant1	Hop	0.388	318	0.123	≤0.4	PASS
2DH3	Ant1	Hop	1.640	165	0.271	≤0.4	PASS
2DH5	Ant1	Hop	2.888	115	0.332	≤0.4	PASS
3DH1	Ant1	Hop	0.391	316	0.124	≤0.4	PASS
3DH3	Ant1	Hop	1.635	157	0.257	≤0.4	PASS
3DH5	Ant1	Hop	2.887	107	0.309	≤0.4	PASS



Test Graphs



DH1-Ant1-Hop-PASS



DH3-Ant1-Hop-PASS

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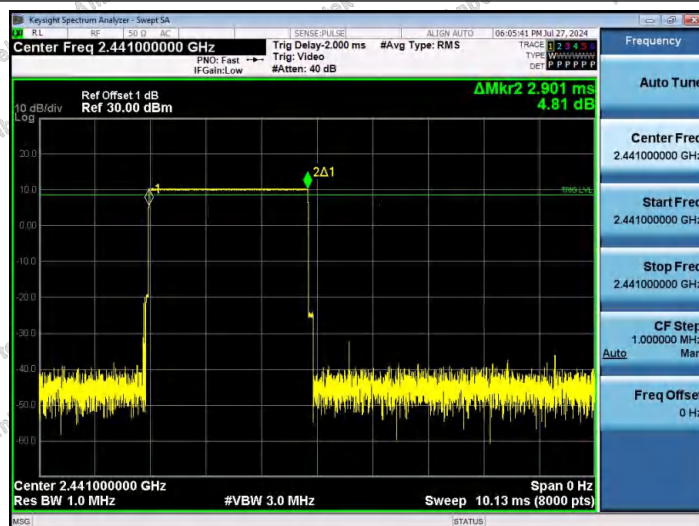
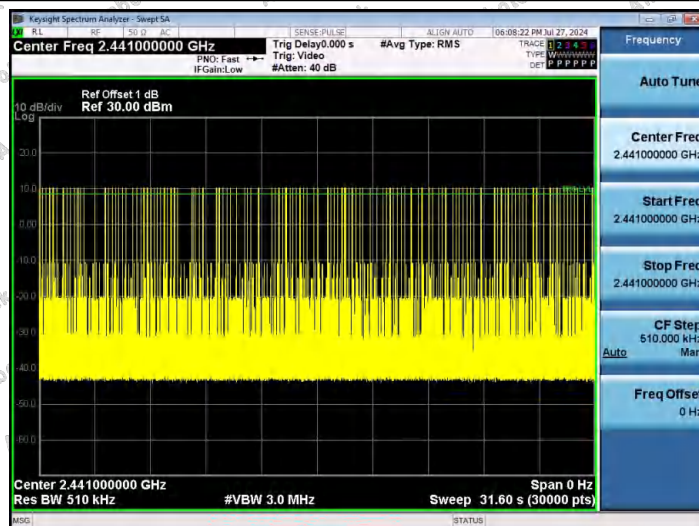
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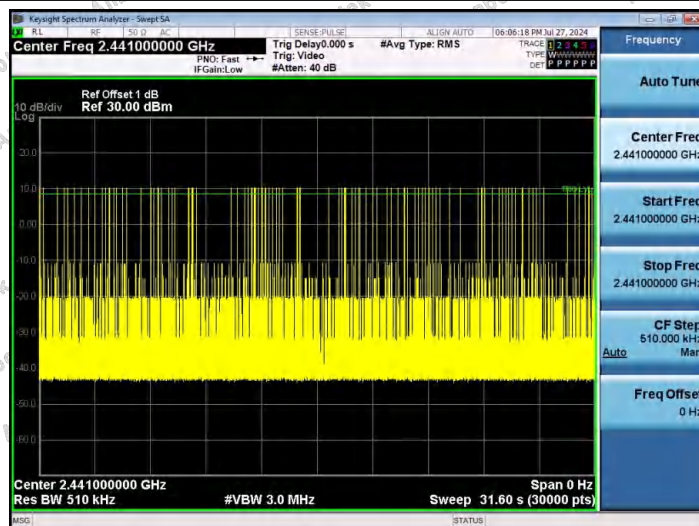
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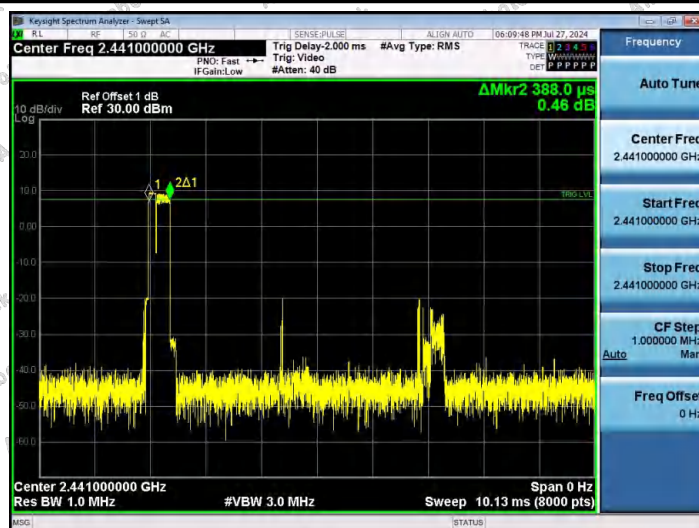
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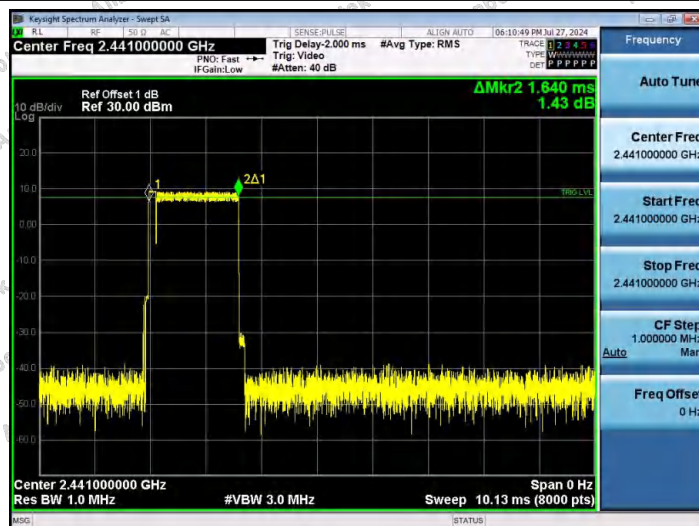
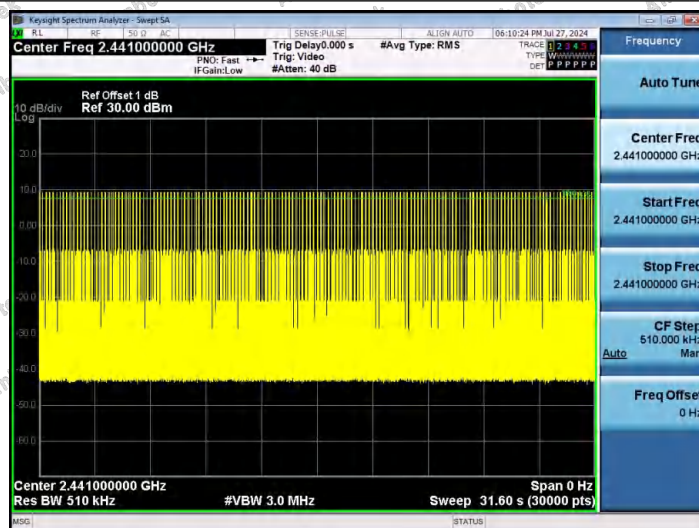


DH5-Ant1-Hop-PASS



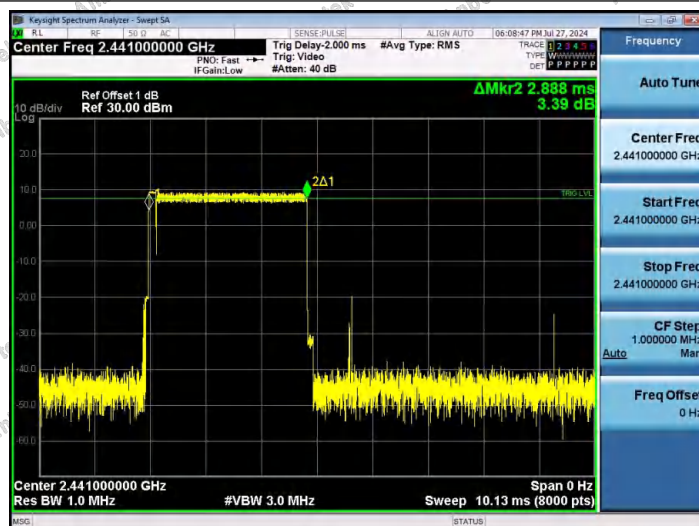
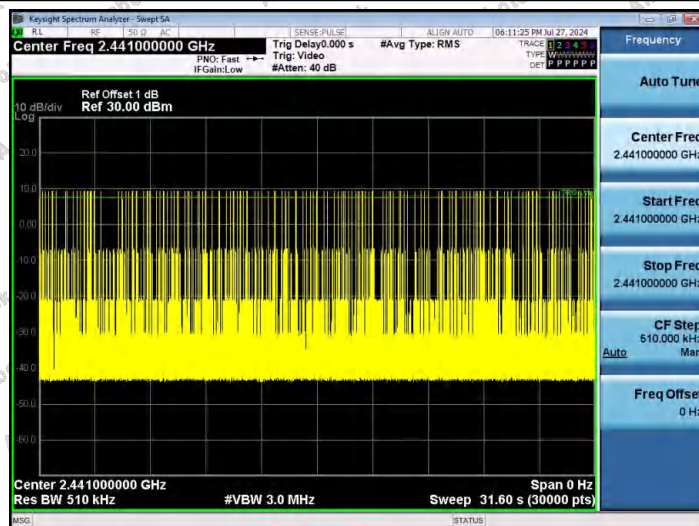


2DH1-Ant1-Hop-PASS

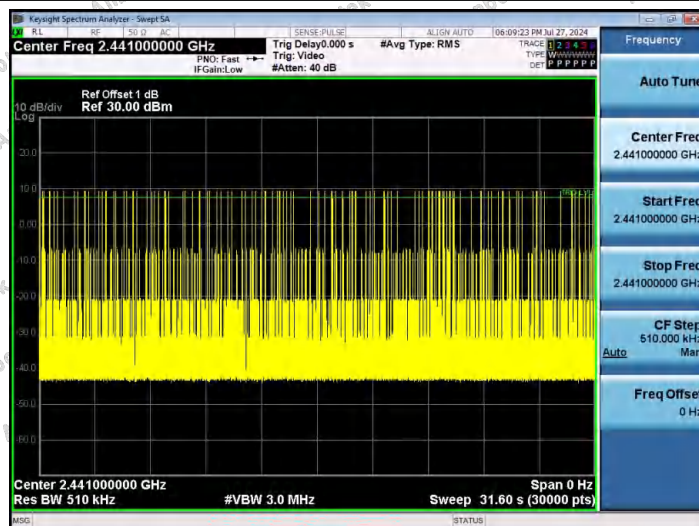


2DH3-Ant1-Hop-PASS





2DH5-Ant1-Hop-PASS



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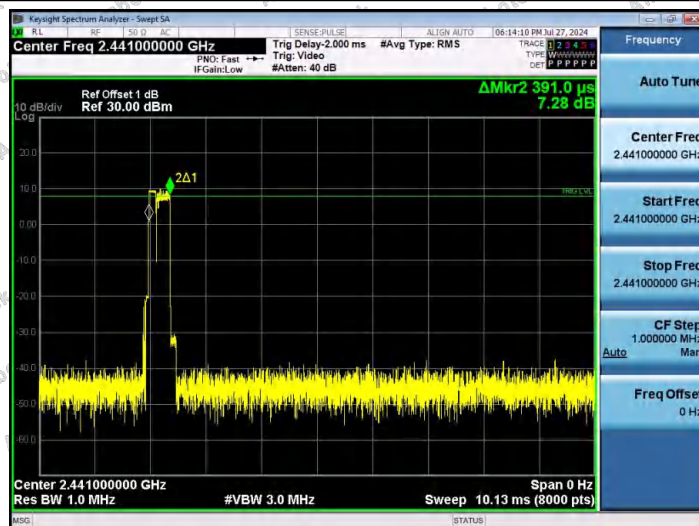
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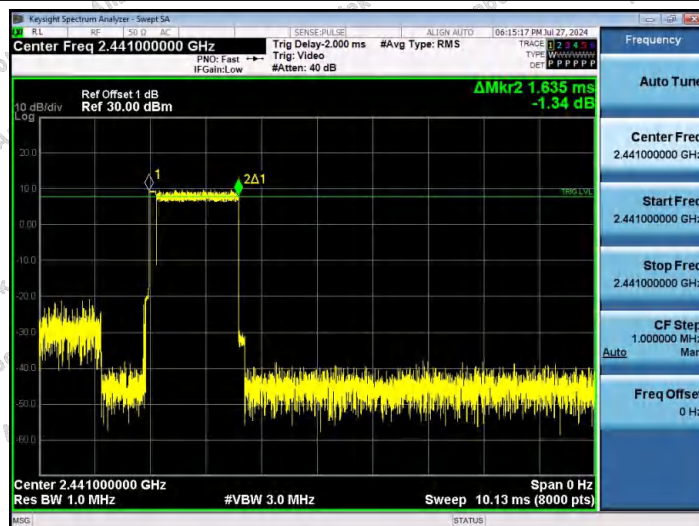
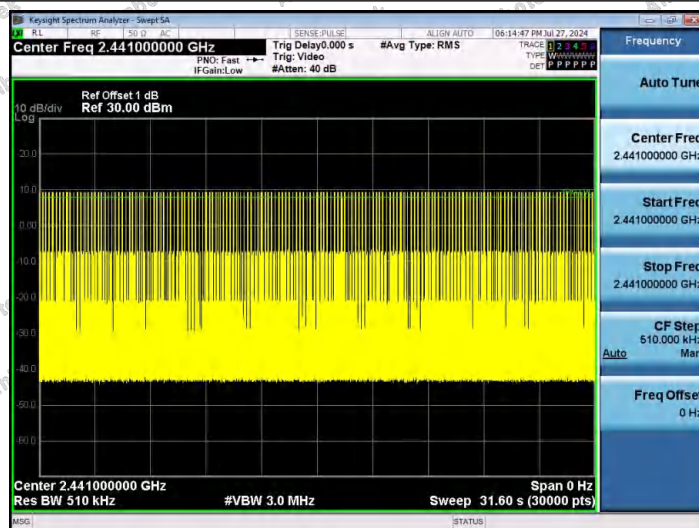
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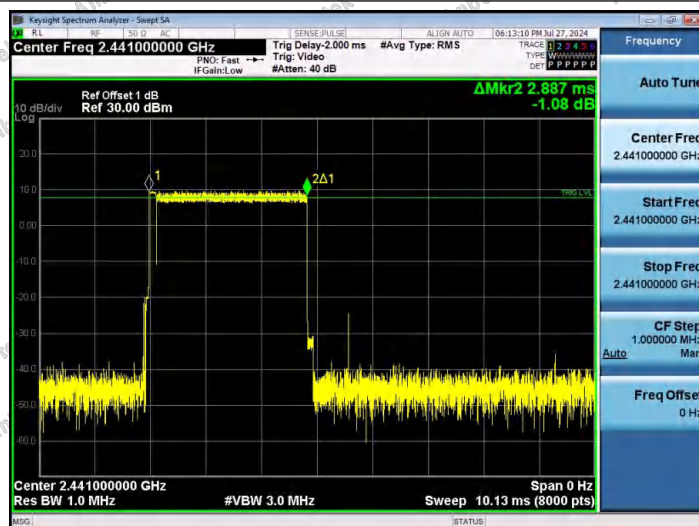
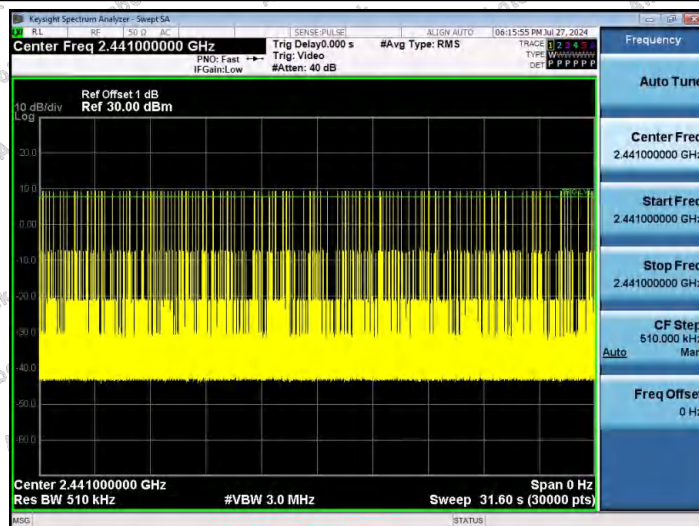


3DH1-Ant1-Hop-PASS

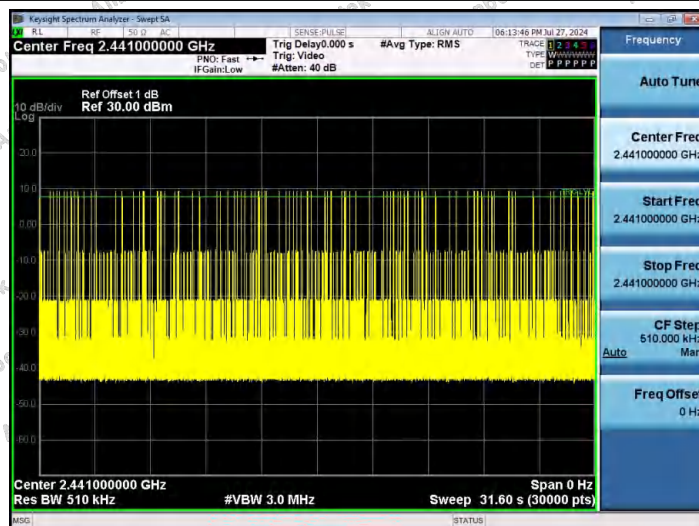


3DH3-Ant1-Hop-PASS





3DH5-Ant1-Hop-PASS



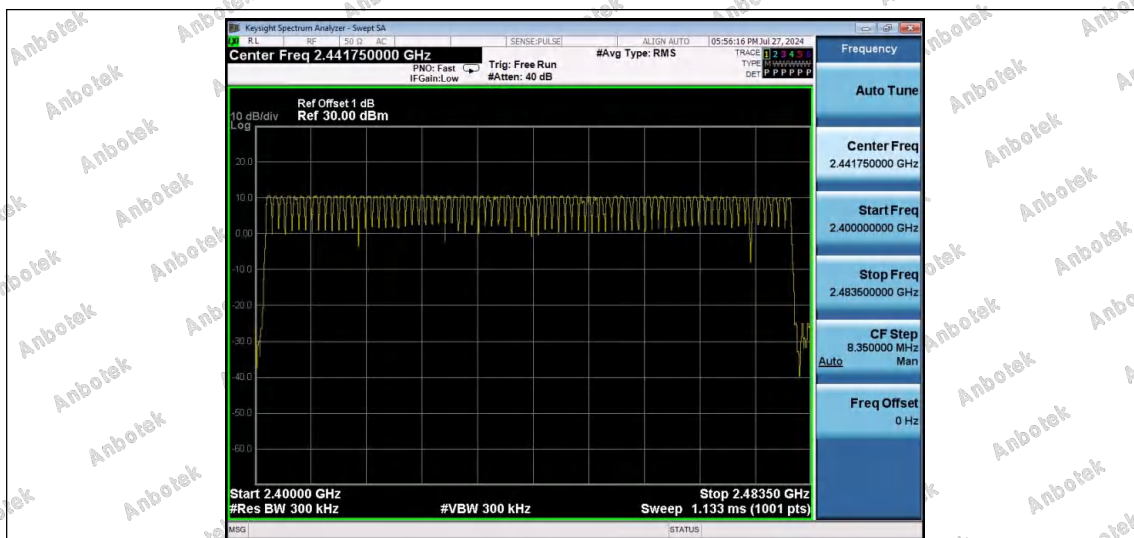
Appendix F: Number of Hopping Channel

Test Result

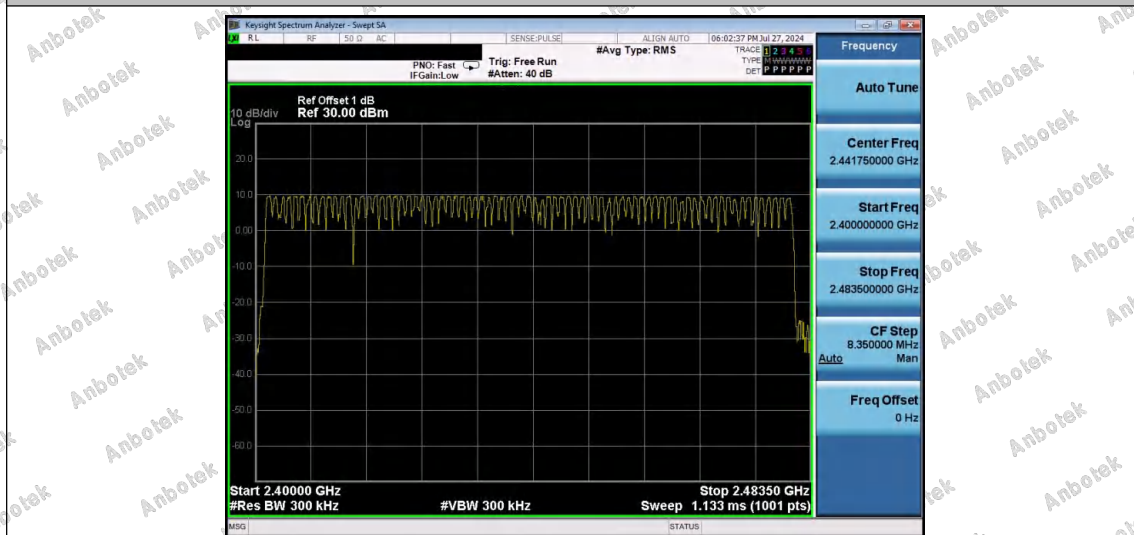
TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS



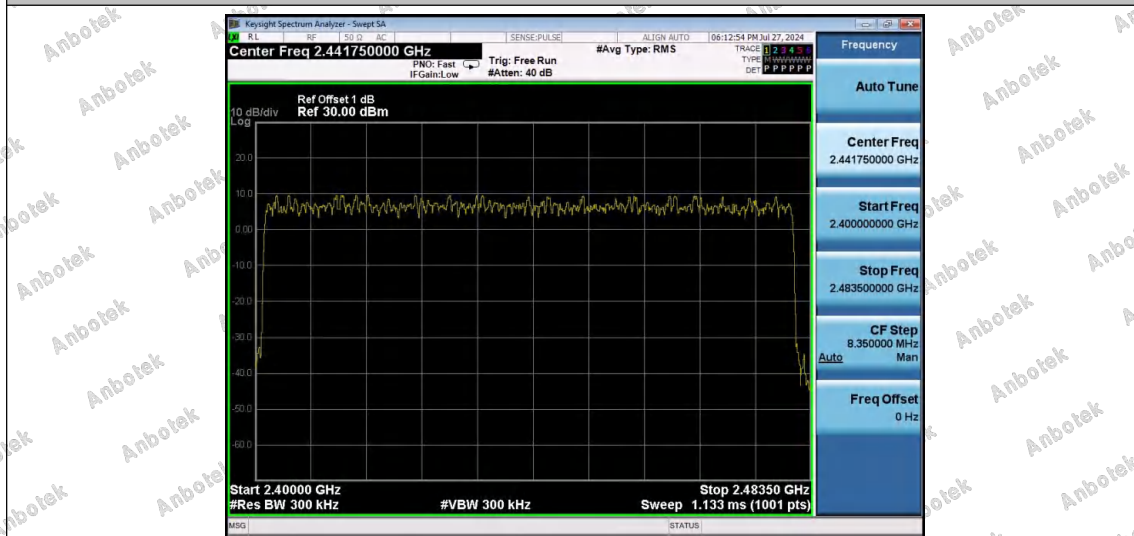
Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS

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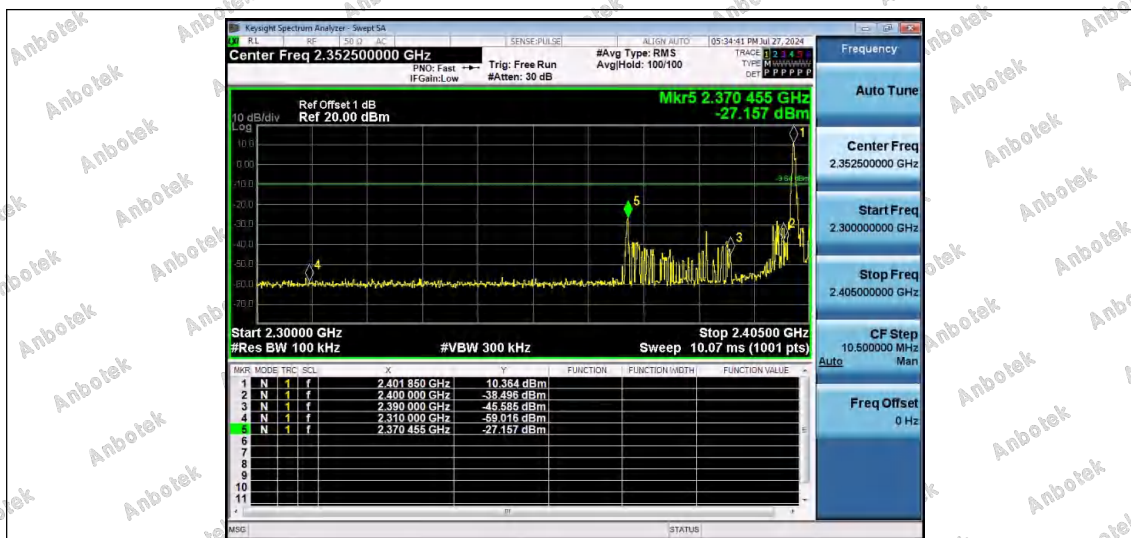
Appendix G: Conducted Band edge

Test Result

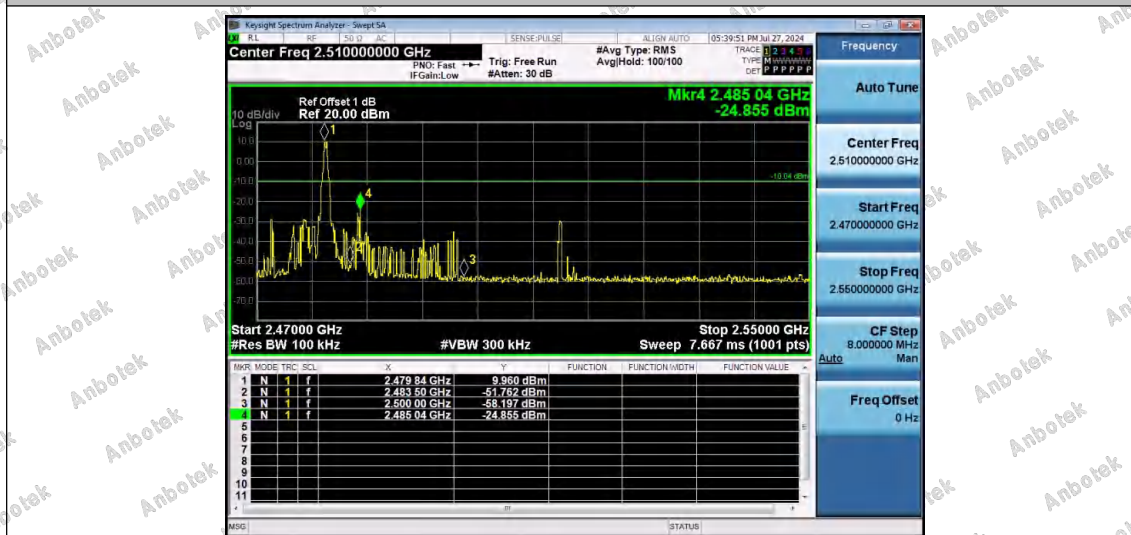
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	10.36	-27.16	≤-9.64	PASS
DH5	Ant1	High	2480	9.96	-24.86	≤-10.04	PASS
DH5	Ant1	Low	Hop_2402	10.35	-27.31	≤-9.65	PASS
DH5	Ant1	High	Hop_2480	10.05	-33.44	≤-9.95	PASS
2DH5	Ant1	Low	2402	9.31	-28.88	≤-10.7	PASS
2DH5	Ant1	High	2480	8.53	-30.05	≤-11.47	PASS
2DH5	Ant1	Low	Hop_2402	7.94	-28.51	≤-12.06	PASS
2DH5	Ant1	High	Hop_2480	7.27	-26.59	≤-12.73	PASS
3DH5	Ant1	Low	2402	8.81	-28.4	≤-11.19	PASS
3DH5	Ant1	High	2480	8.58	-36.89	≤-11.42	PASS
3DH5	Ant1	Low	Hop_2402	6.92	-27.88	≤-13.08	PASS
3DH5	Ant1	High	Hop_2480	8.91	-34.51	≤-11.09	PASS



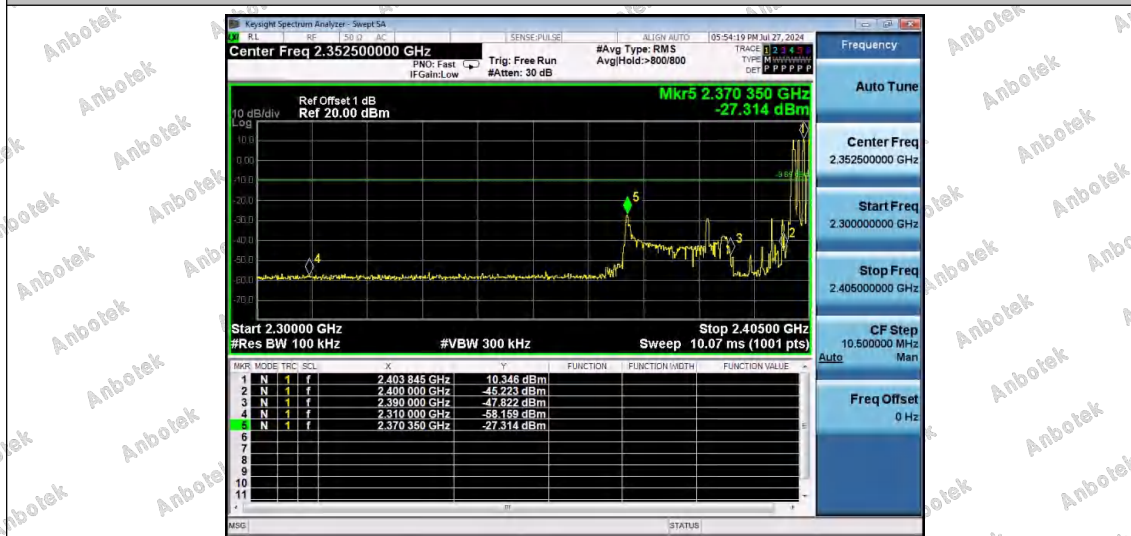
Test Graphs



DH5-Ant1-2402-PASS



DH5-Ant1-2480-PASS



DH5-Ant1-Hop_2402-PASS

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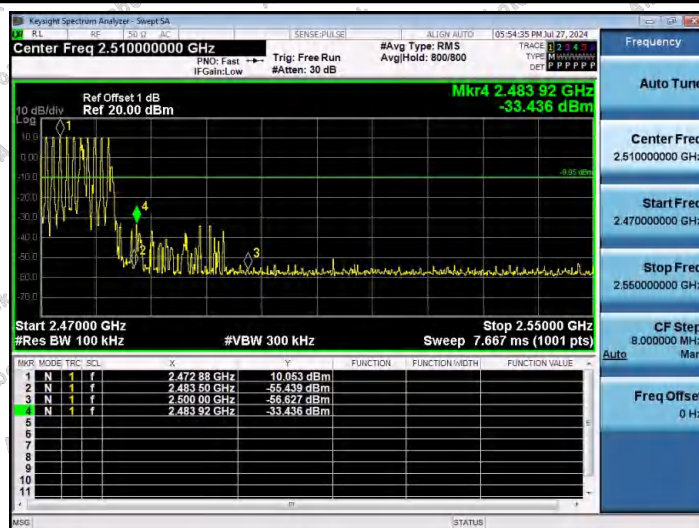
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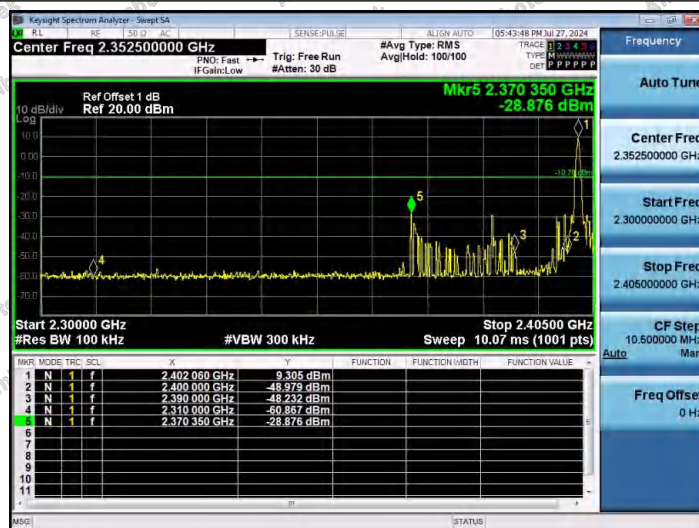
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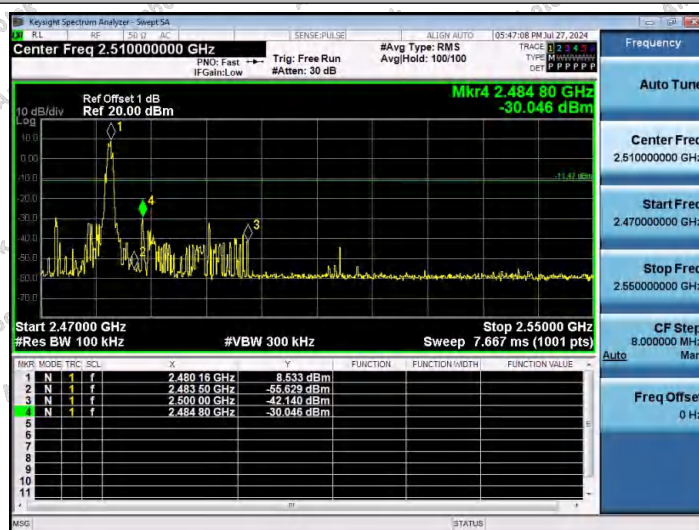




DH5-Ant1-Hop_2480-PASS



2DH5-Ant1-2402-PASS



2DH5-Ant1-2480-PASS

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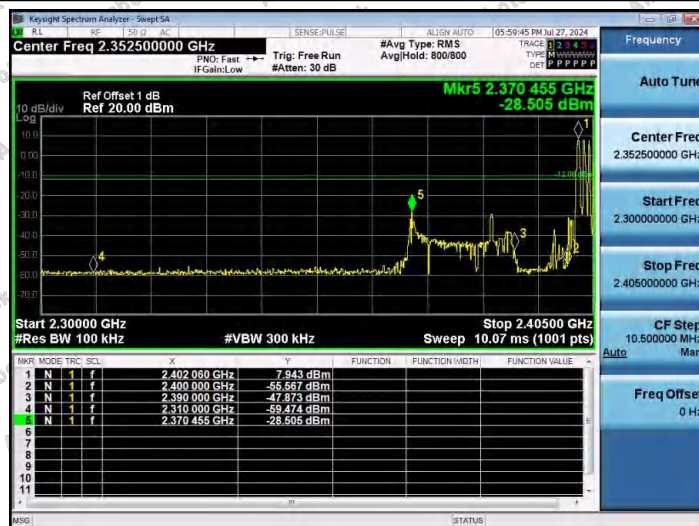
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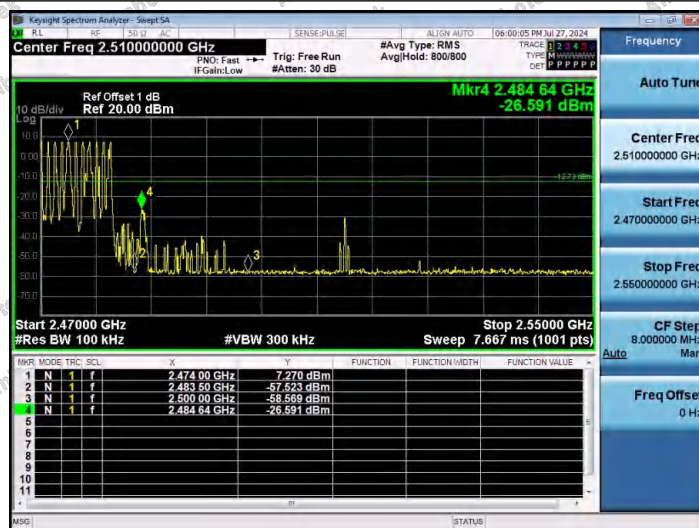
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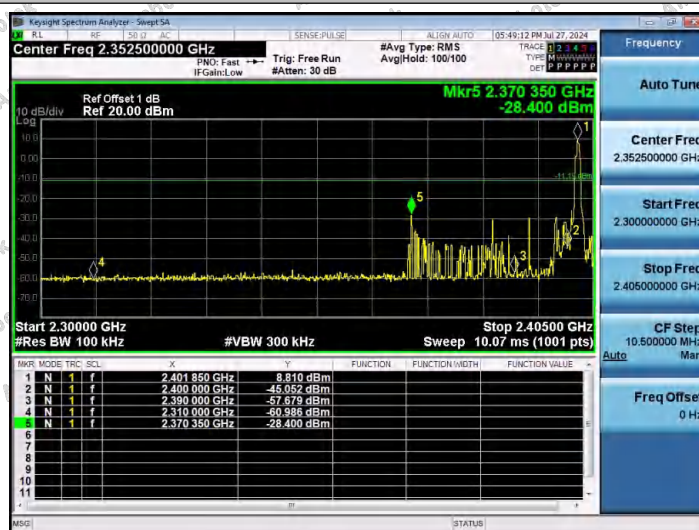




2DH5-Ant1-Hop_2402-PASS



2DH5-Ant1-Hop_2480-PASS



3DH5-Ant1-2402-PASS

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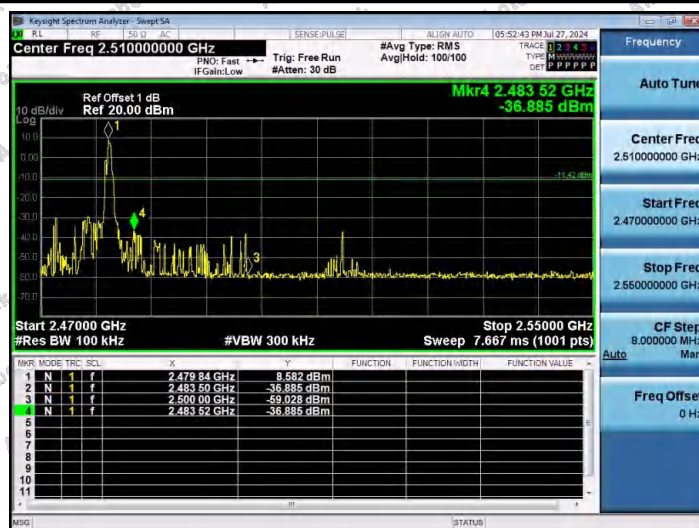
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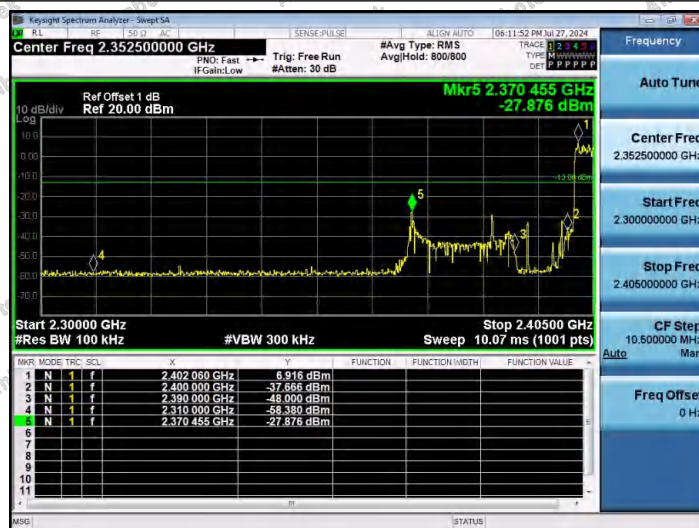
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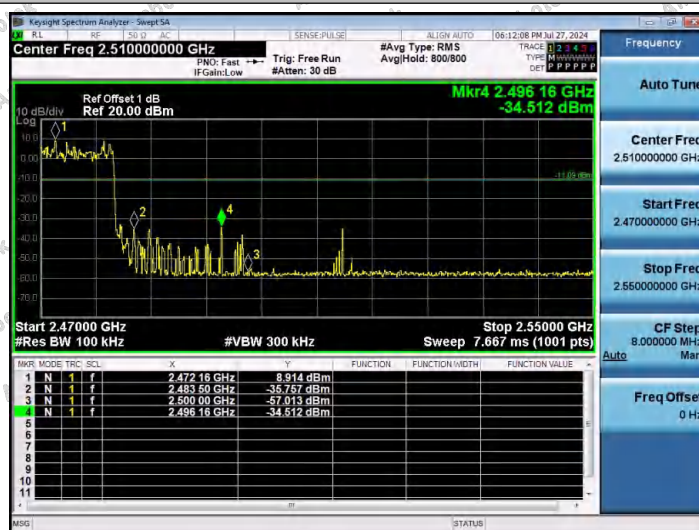




3DH5-Ant1-2480-PASS



3DH5-Ant1-Hop_2402-PASS



3DH5-Ant1-Hop_2480-PASS

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Appendix H: Conducted Spurious Emission

Test Result

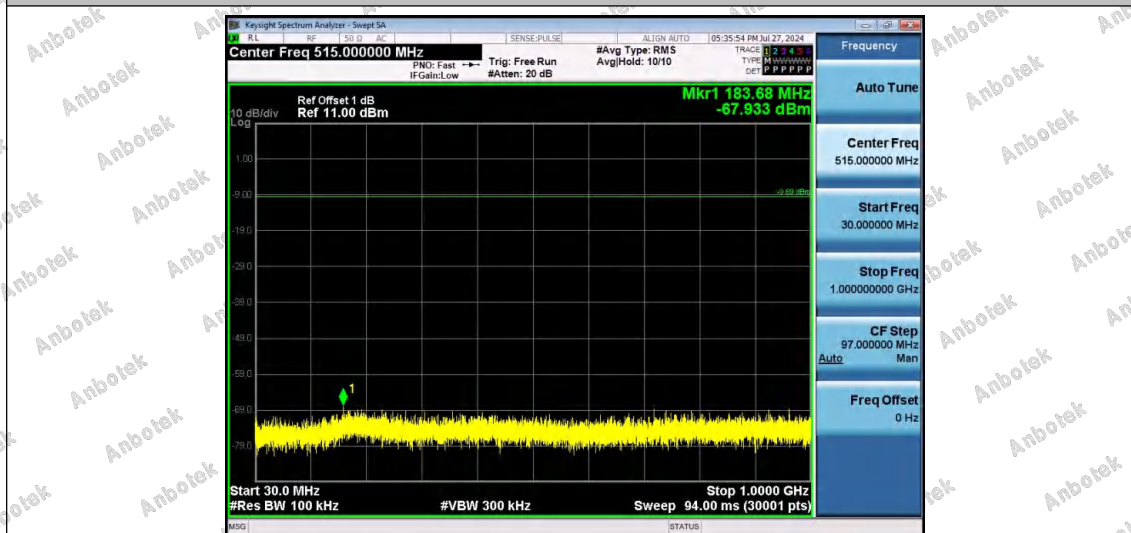
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	10.31	10.31	---	PASS
DH5	Ant1	2402	30~1000	10.31	-67.93	≤-9.69	PASS
DH5	Ant1	2402	1000~26500	10.31	-49.22	≤-9.69	PASS
DH5	Ant1	2441	0~Reference	10.25	10.25	---	PASS
DH5	Ant1	2441	30~1000	10.25	-60.89	≤-9.75	PASS
DH5	Ant1	2441	1000~26500	10.25	-30.24	≤-9.75	PASS
DH5	Ant1	2480	0~Reference	9.93	9.93	---	PASS
DH5	Ant1	2480	30~1000	9.93	-66.44	≤-10.07	PASS
DH5	Ant1	2480	1000~26500	9.93	-42.62	≤-10.07	PASS
2DH5	Ant1	2402	0~Reference	7.44	7.44	---	PASS
2DH5	Ant1	2402	30~1000	7.44	-67.39	≤-12.56	PASS
2DH5	Ant1	2402	1000~26500	7.44	-50.72	≤-12.56	PASS
2DH5	Ant1	2441	0~Reference	9.21	9.21	---	PASS
2DH5	Ant1	2441	30~1000	9.21	-67.55	≤-10.79	PASS
2DH5	Ant1	2441	1000~26500	9.21	-37.08	≤-10.79	PASS
2DH5	Ant1	2480	0~Reference	8.68	8.68	---	PASS
2DH5	Ant1	2480	30~1000	8.68	-68.14	≤-11.32	PASS
2DH5	Ant1	2480	1000~26500	8.68	-43.47	≤-11.32	PASS
3DH5	Ant1	2402	0~Reference	9.32	9.32	---	PASS
3DH5	Ant1	2402	30~1000	9.32	-68.15	≤-10.68	PASS
3DH5	Ant1	2402	1000~26500	9.32	-51.48	≤-10.68	PASS
3DH5	Ant1	2441	0~Reference	7.95	7.95	---	PASS
3DH5	Ant1	2441	30~1000	7.95	-68.15	≤-12.05	PASS
3DH5	Ant1	2441	1000~26500	7.95	-36.72	≤-12.05	PASS
3DH5	Ant1	2480	0~Reference	7.74	7.74	---	PASS
3DH5	Ant1	2480	30~1000	7.74	-67.39	≤-12.26	PASS
3DH5	Ant1	2480	1000~26500	7.74	-45.44	≤-12.26	PASS



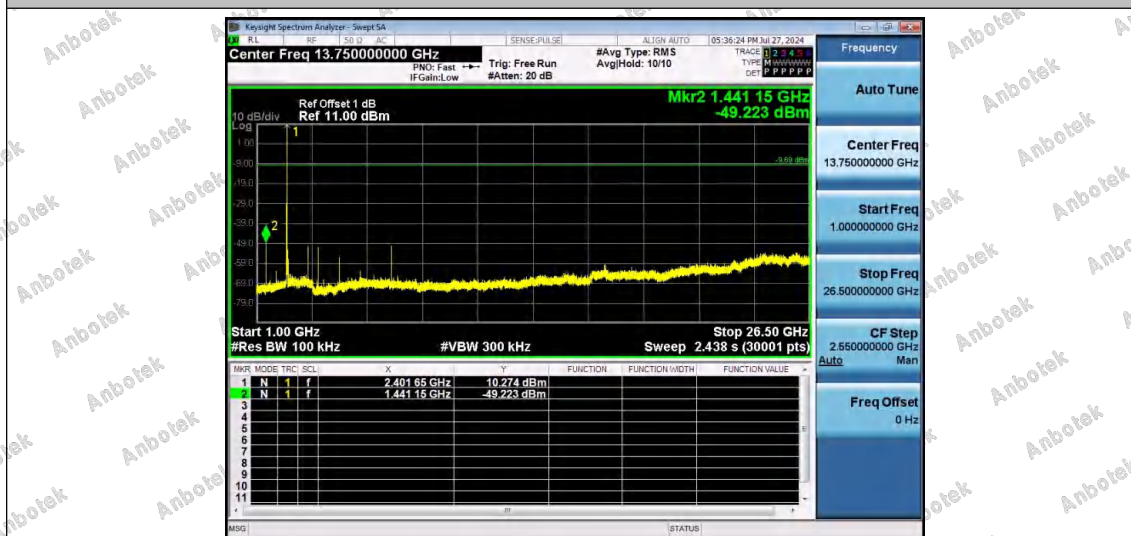
Test Graphs



DH5-Ant1-2402-0~Reference-PASS



DH5-Ant1-2402-30~1000-PASS



DH5-Ant1-2402-1000~26500-PASS

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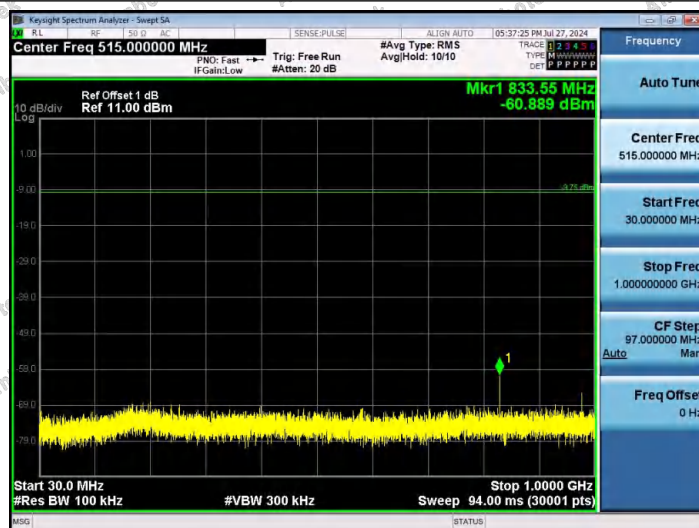
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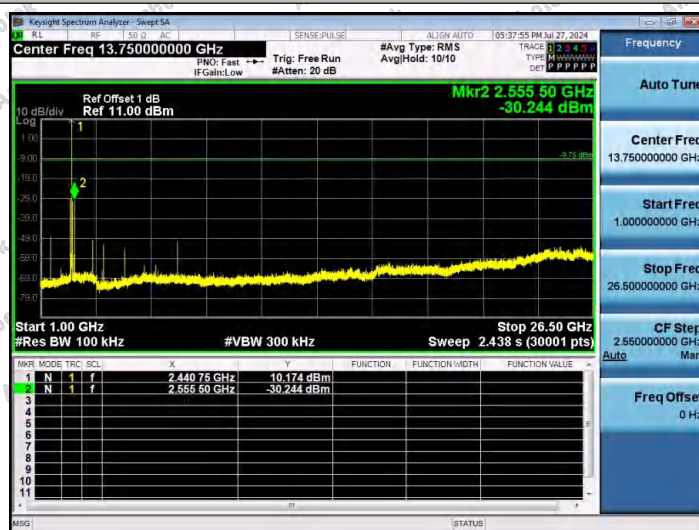




DH5-Ant1-2441-0~Reference-PASS



DH5-Ant1-2441-30~1000-PASS



DH5-Ant1-2441-1000~26500-PASS

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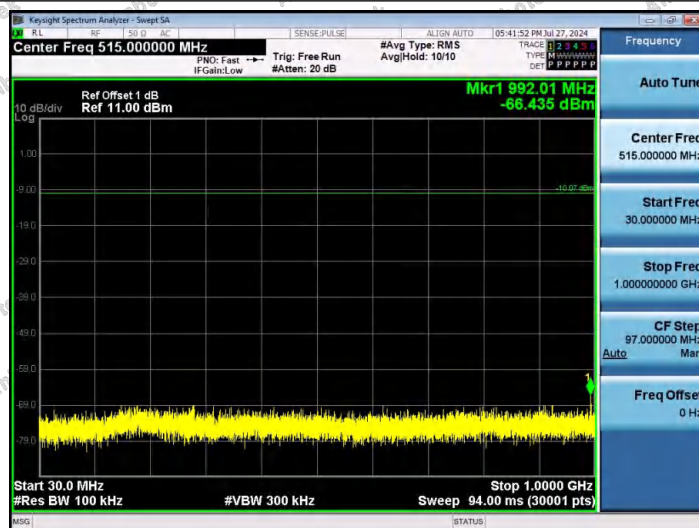
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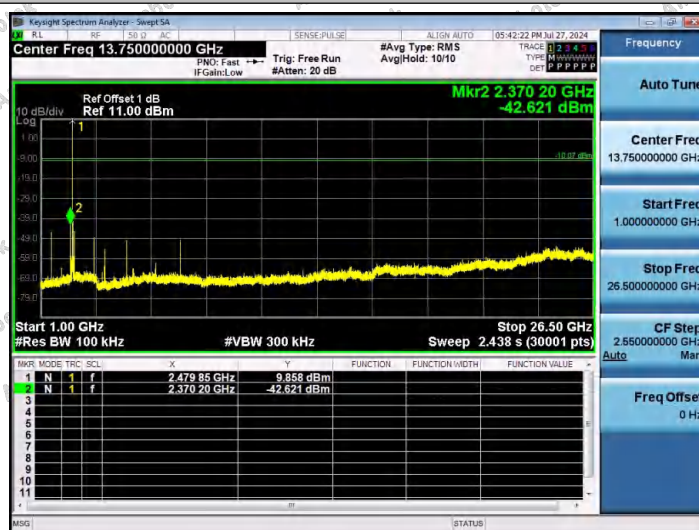




DH5-Ant1-2480-0~Reference-PASS



DH5-Ant1-2480-30~1000-PASS



DH5-Ant1-2480-1000~26500-PASS

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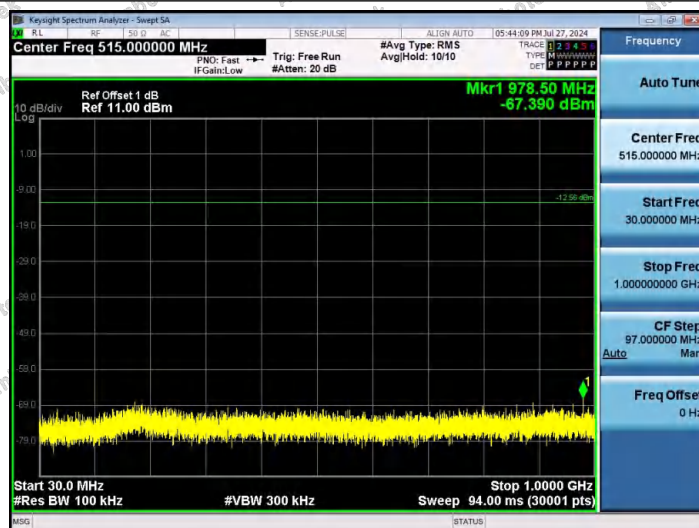
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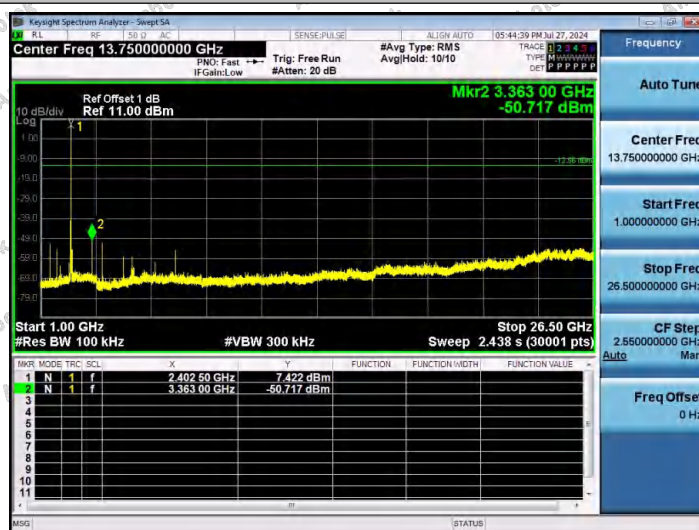




2DH5-Ant1-2402-0~Reference-PASS



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

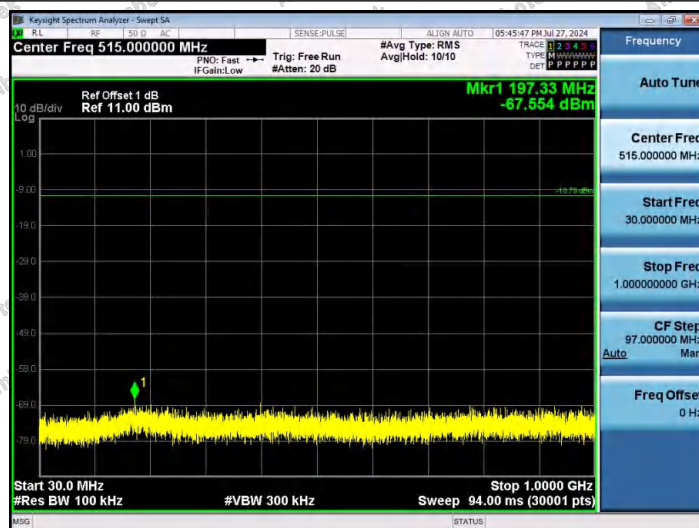


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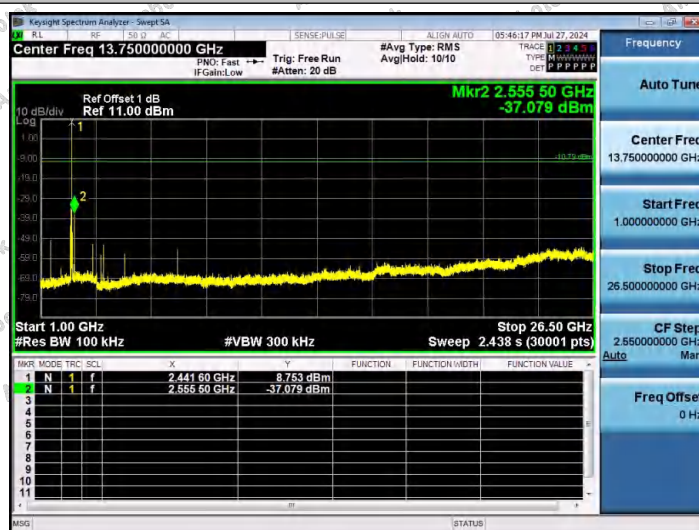




2DH5-Ant1-2441-0~Reference-PASS



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

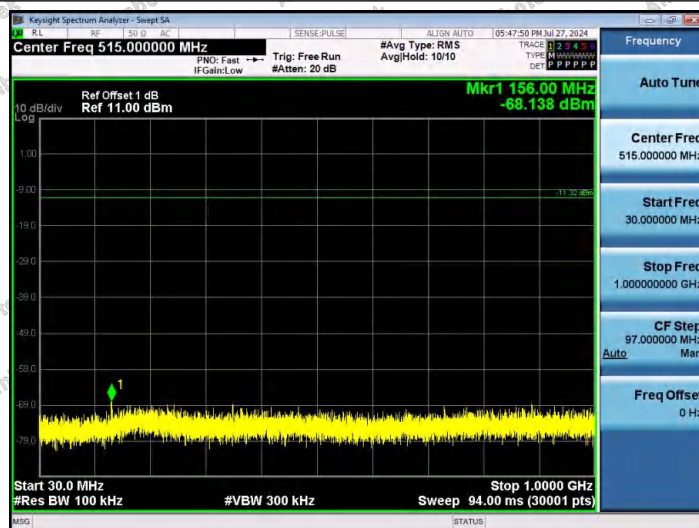


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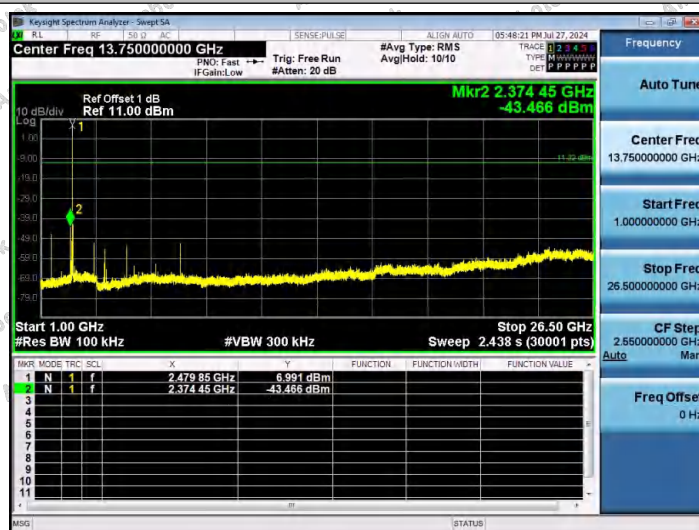




2DH5-Ant1-2480-0~Reference-PASS



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

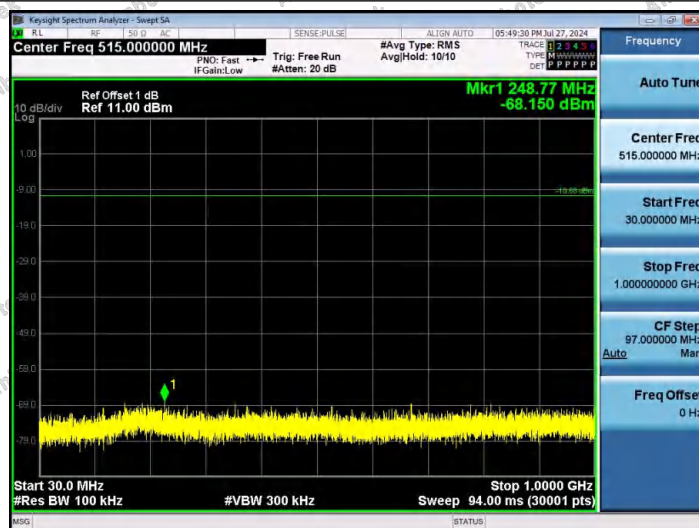


2DH5-Ant1-2480-1000~26500-PASS

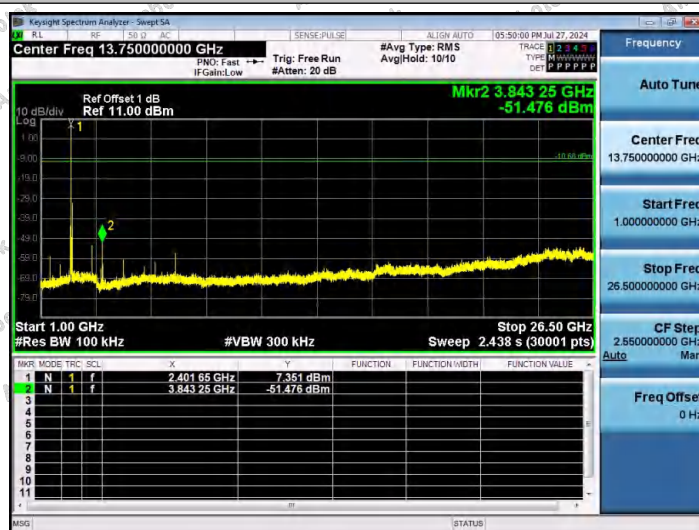




3DH5-Ant1-2402-0~Reference-PASS



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

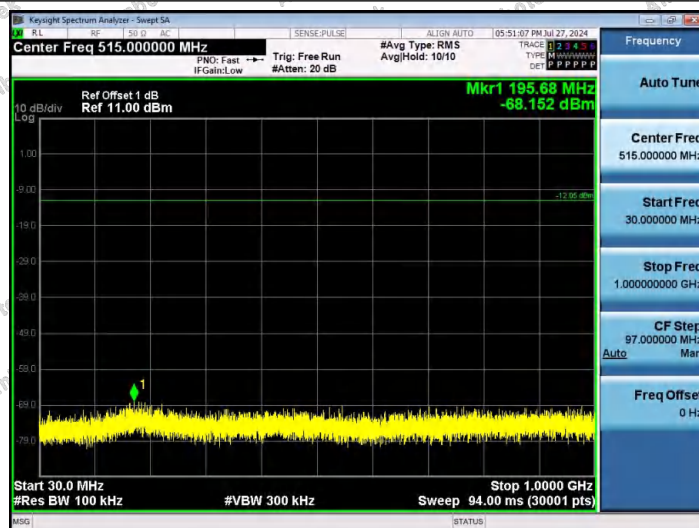


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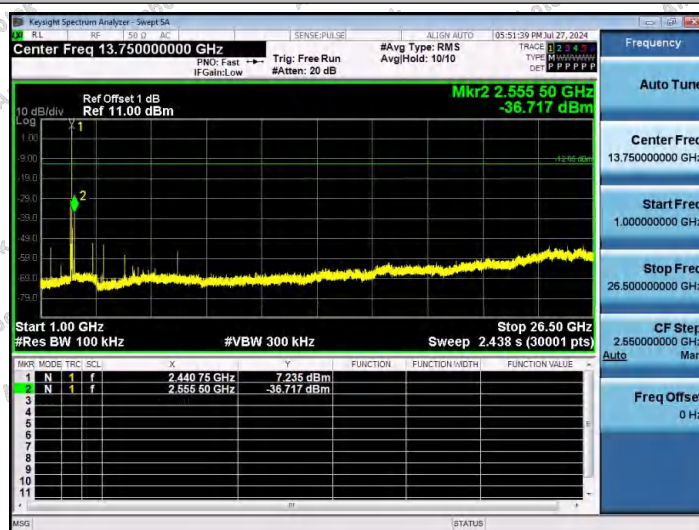




3DH5-Ant1-2441-0~Reference-PASS



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

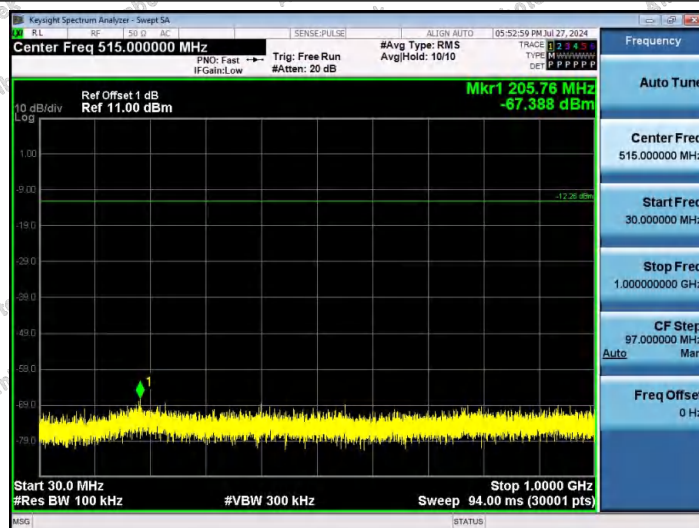


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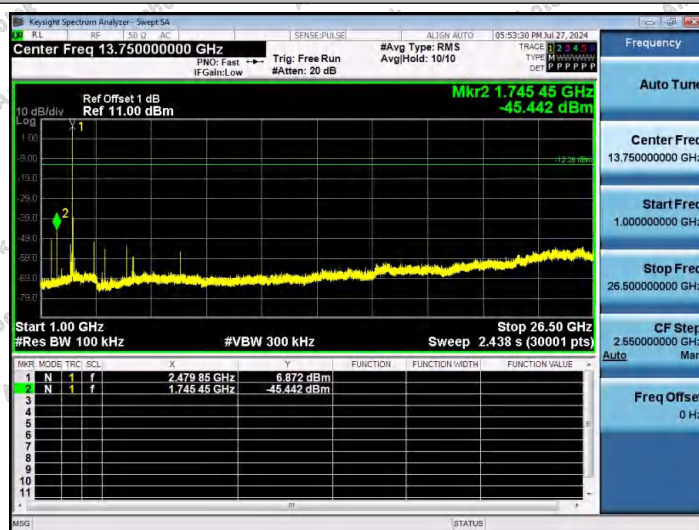




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3DH5-Ant1-2480-30~1000-PASS



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



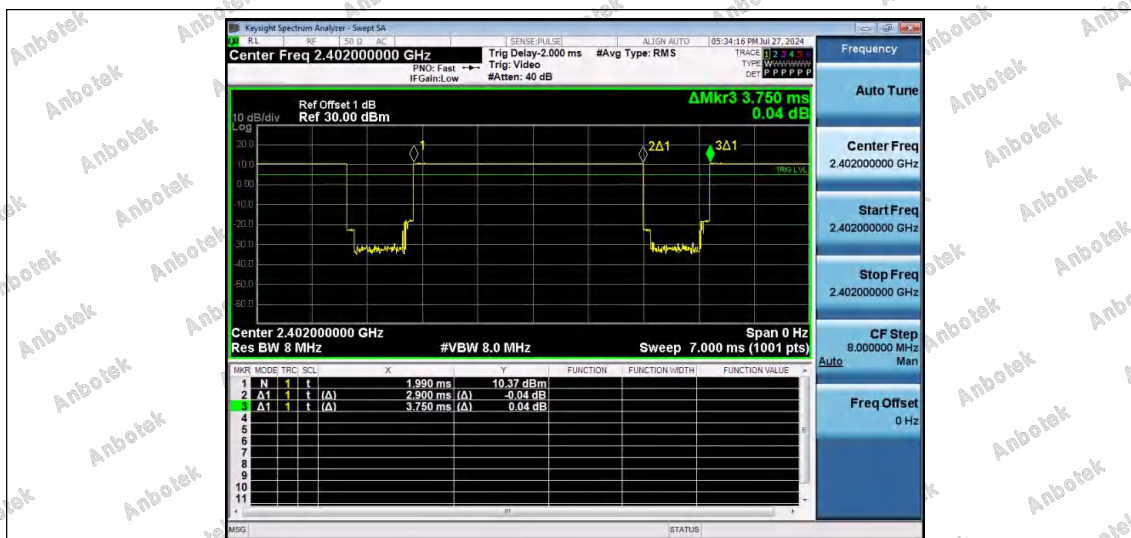
Appendix I: Duty Cycle

Test Result

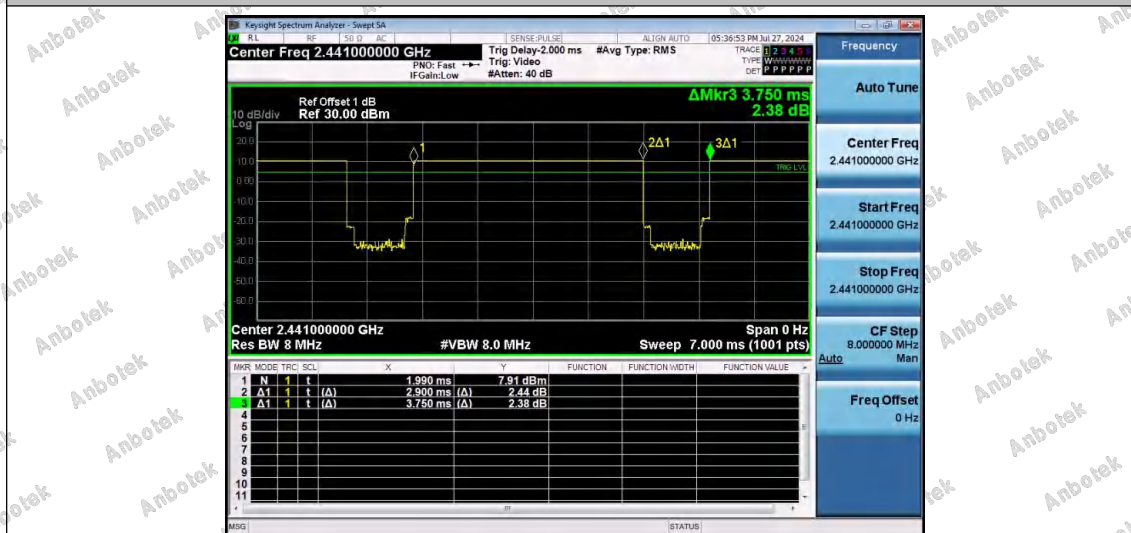
TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.90	3.75	77.33	1.12
DH5	Ant1	2441	2.90	3.75	77.33	1.12
DH5	Ant1	2480	2.90	3.74	77.54	1.10
2DH5	Ant1	2402	2.89	3.75	77.07	1.13
2DH5	Ant1	2441	2.89	3.75	77.07	1.13
2DH5	Ant1	2480	2.89	3.75	77.07	1.13
3DH5	Ant1	2402	2.89	3.76	76.86	1.14
3DH5	Ant1	2441	2.89	3.76	76.86	1.14
3DH5	Ant1	2480	2.89	3.76	76.86	1.14



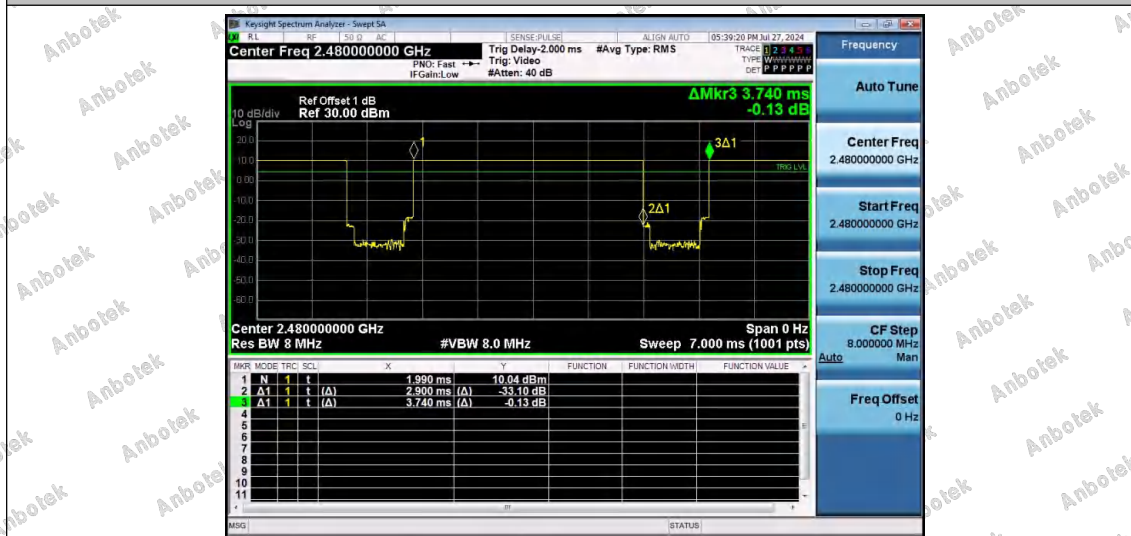
Test Graphs



NTNV-DH5-Ant1-2402



NTNV-DH5-Ant1-2441



NTNV-DH5-Ant1-2480

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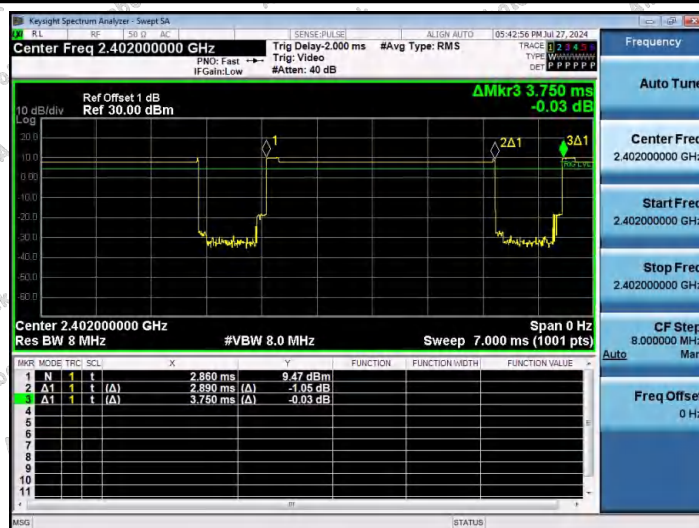
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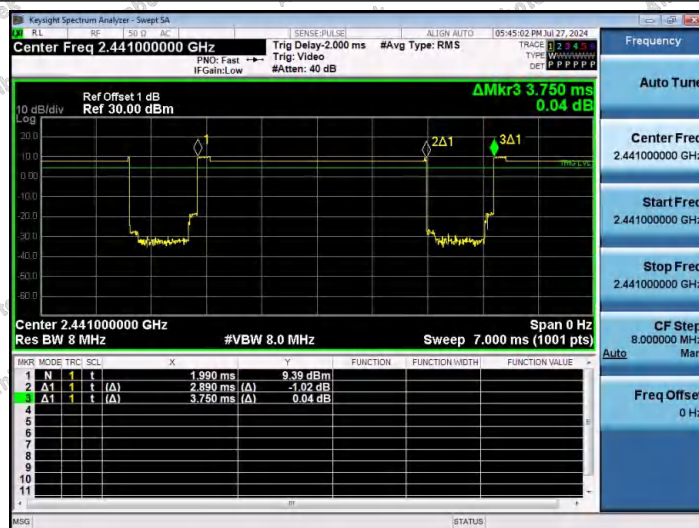


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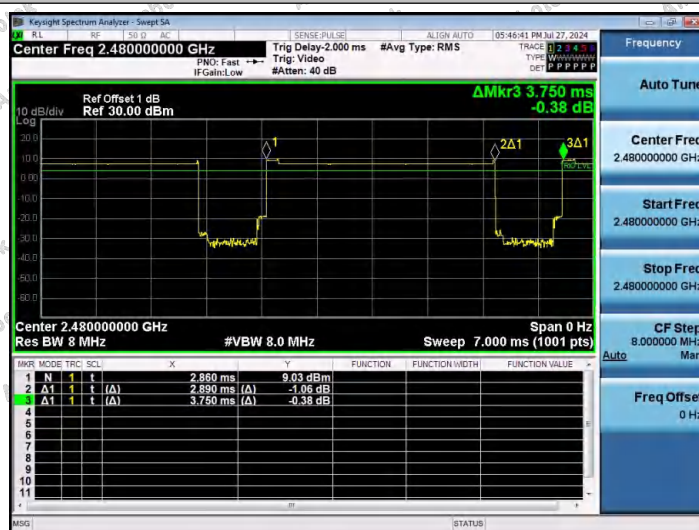




NTNV-2DH5-Ant1-2402



NTNV-2DH5-Ant1-2441



NTNV-2DH5-Ant1-2480

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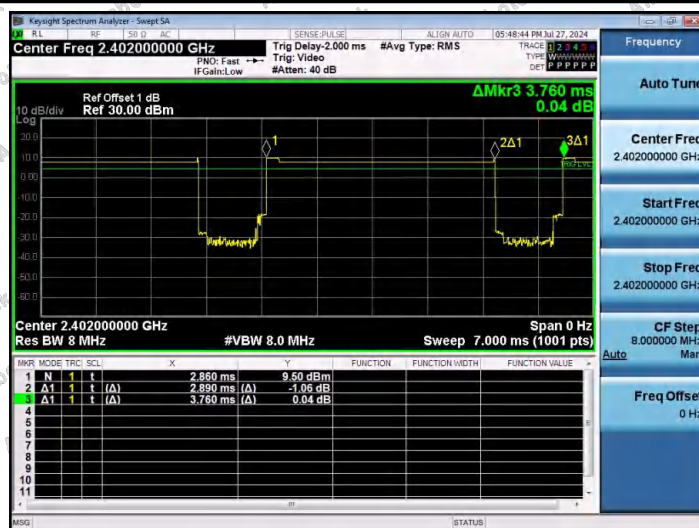
Tel: (86) 0755-26066440 Email: service@anbotek.com



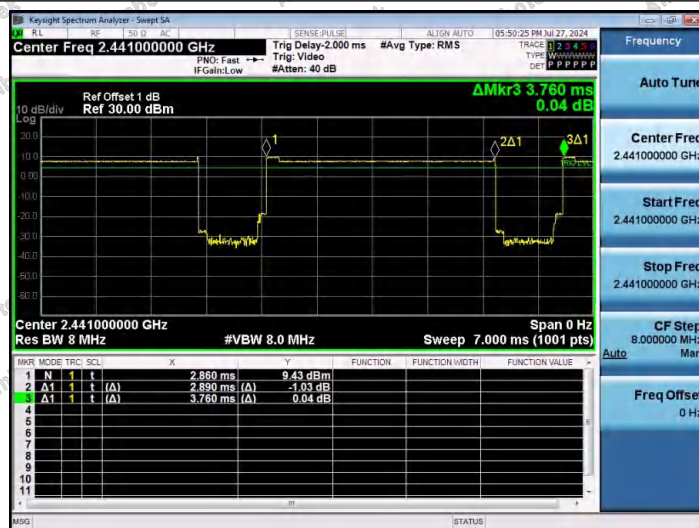
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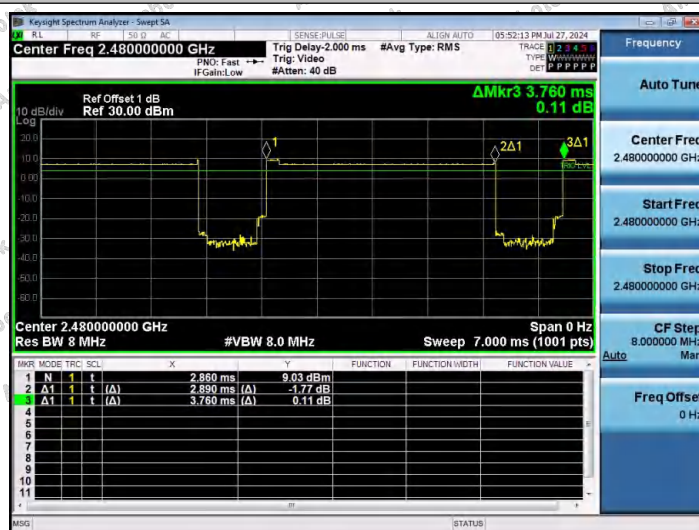




NTVN-3DH5-Ant1-2402



NTVN-3DH5-Ant1-2441



NTVN-3DH5-Ant1-2480

---End---

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