

Appendix Test Data

Report No.:	182519C400063101	Test Sample No.:	1-2-2
Start Test Date:	2024.8.19	Finish Test Date:	2024.8.19
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	25.5℃	Relative Humidity:	47%
Pressure:	101kPa		

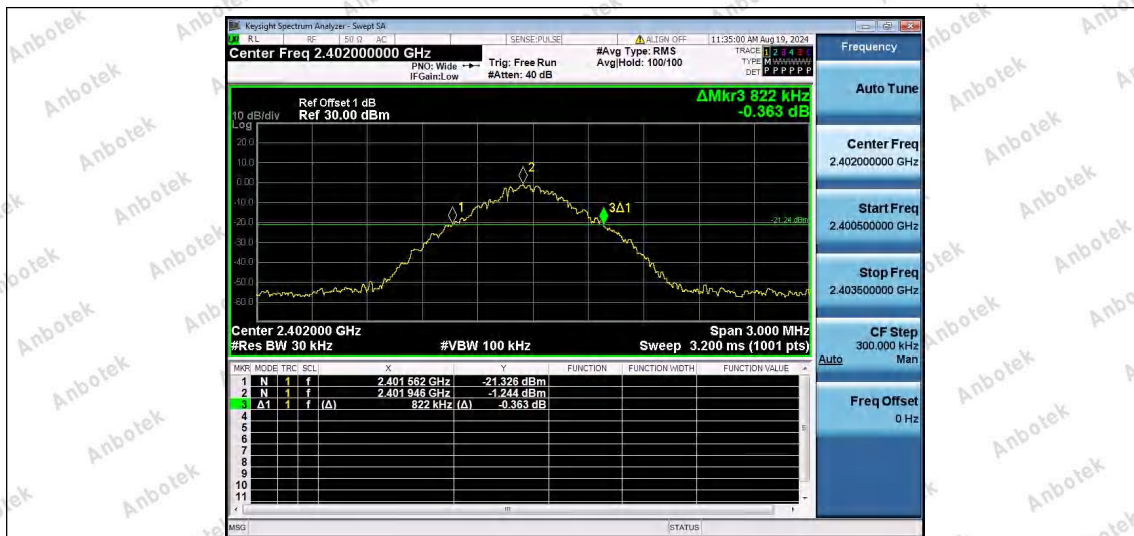
Appendix A: 20dB Bandwidth

Test Result

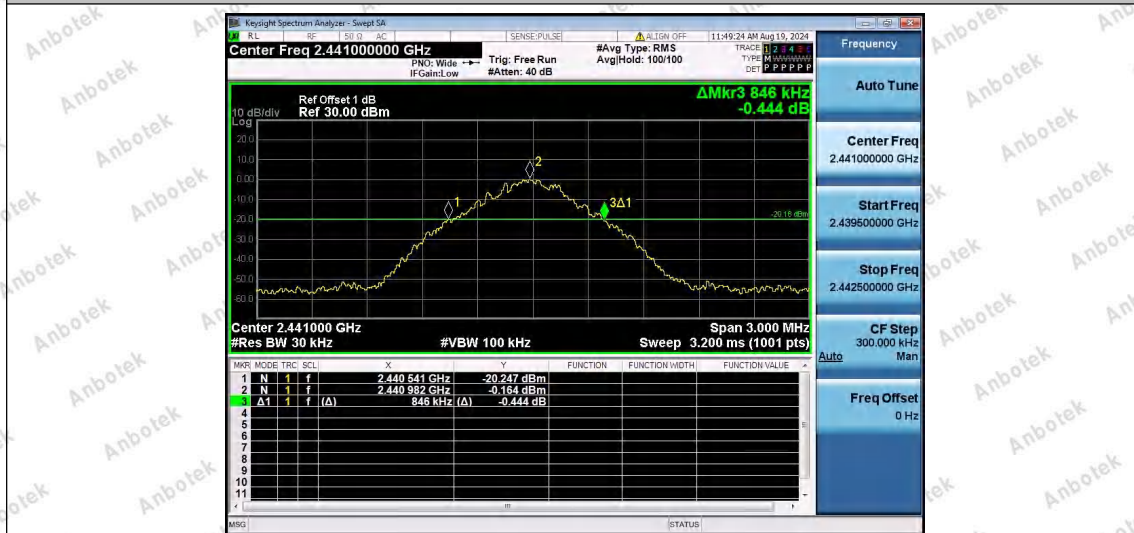
TestMode	Antenna	Frequency[MHz]	20db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.822	2401.562	2402.384	---	---
DH5	Ant1	2441	0.846	2440.541	2441.387	---	---
DH5	Ant1	2480	0.855	2479.529	2480.384	---	---
2DH5	Ant1	2402	1.323	2401.307	2402.630	---	---
2DH5	Ant1	2441	1.320	2440.310	2441.630	---	---
2DH5	Ant1	2480	1.326	2479.304	2480.630	---	---
3DH5	Ant1	2402	1.311	2401.319	2402.630	---	---
3DH5	Ant1	2441	1.338	2440.292	2441.630	---	---
3DH5	Ant1	2480	1.326	2479.298	2480.624	---	---



Test Graphs



DH5-Ant1-2402



DH5-Ant1-2441



DH5-Ant1-2480

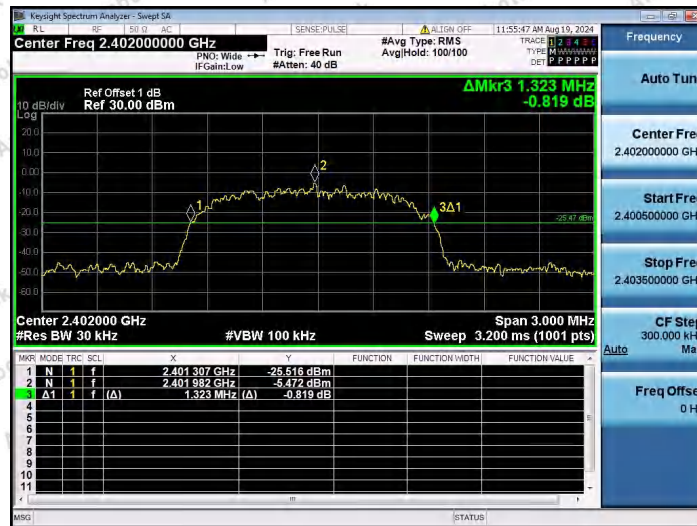
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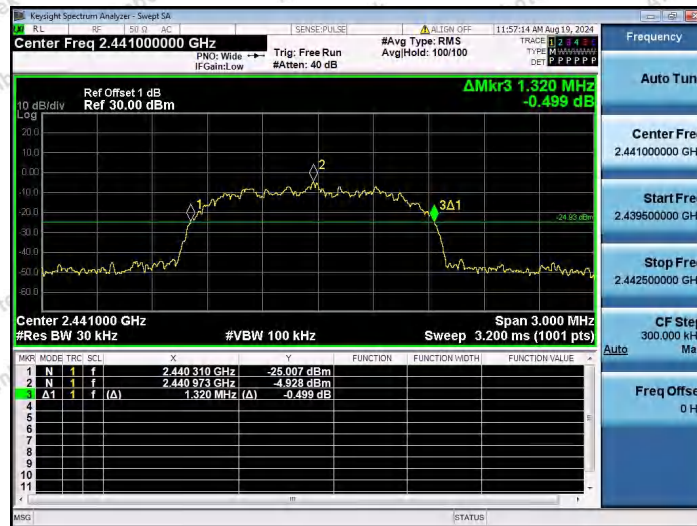


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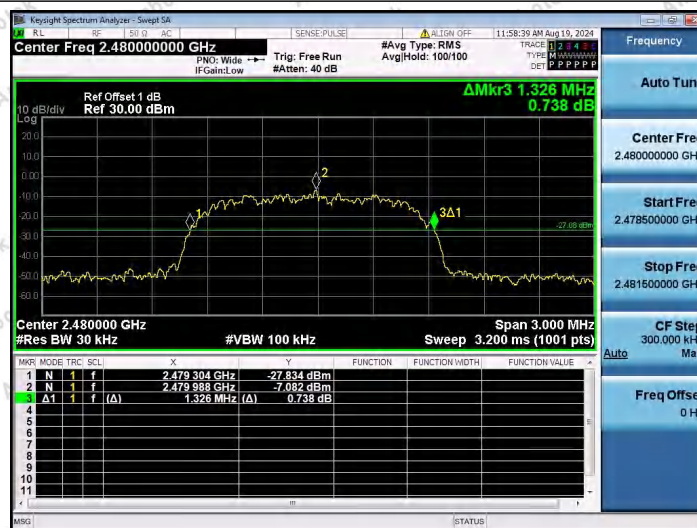




2DH5-Ant1-2402



2DH5-Ant1-2441



2DH5-Ant1-2480

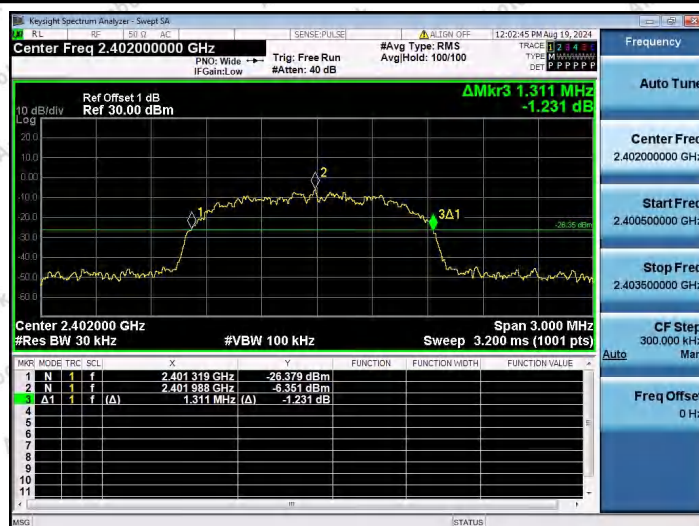
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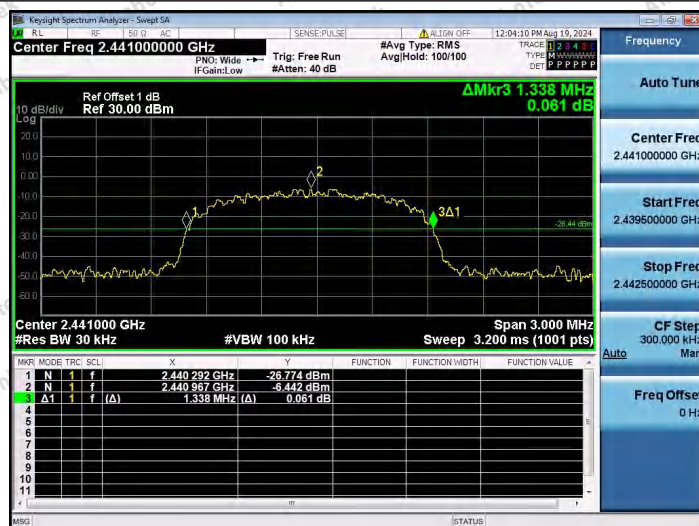


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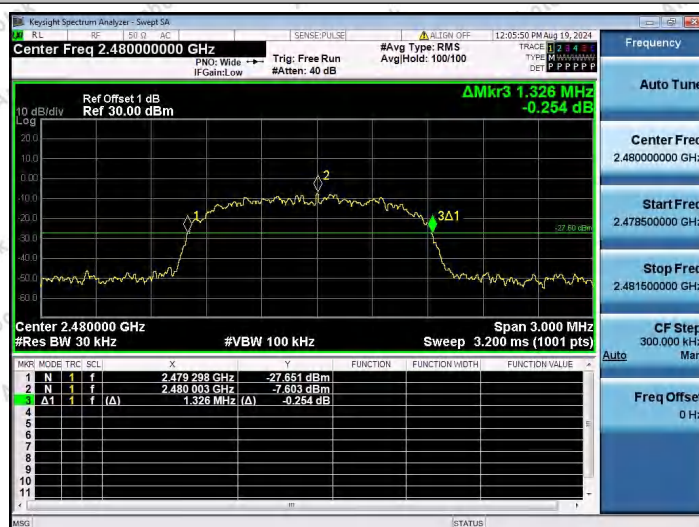




3DH5-Ant1-2402



3DH5-Ant1-2441



3DH5-Ant1-2480

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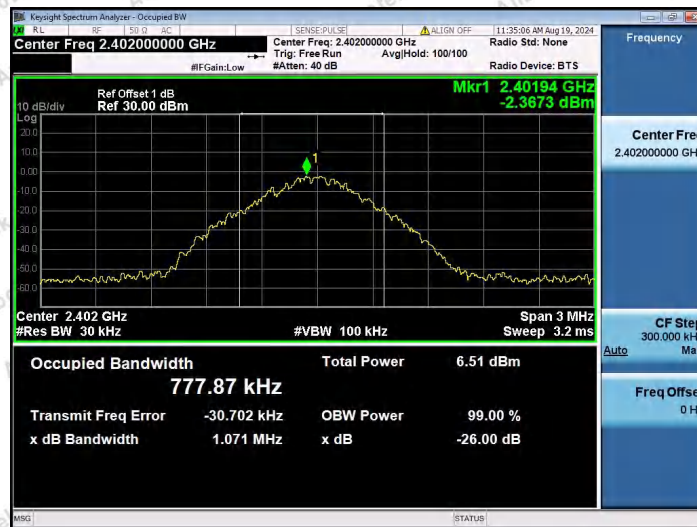
Appendix B: 99% Occupied Bandwidth

Test Result

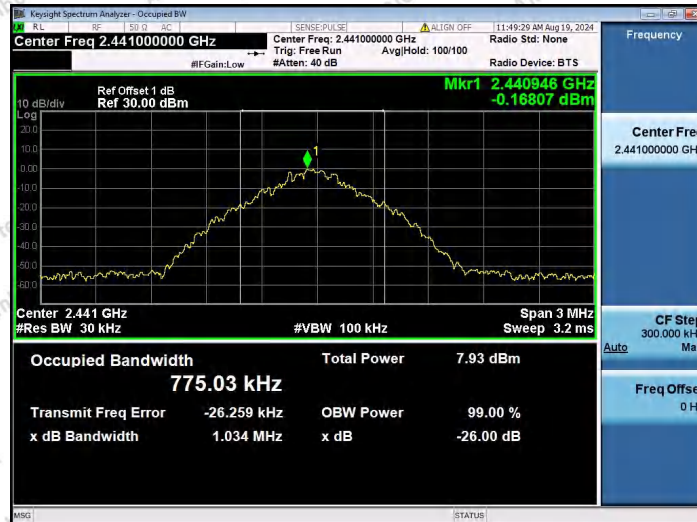
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DH5	Ant1	2402	0.77787	2401.5804	2402.3582	---	---
DH5	Ant1	2441	0.77503	2440.5862	2441.3613	---	---
DH5	Ant1	2480	0.75286	2479.5955	2480.3483	---	---
2DH5	Ant1	2402	1.1947	2401.3772	2402.5719	---	---
2DH5	Ant1	2441	1.1832	2440.3730	2441.5562	---	---
2DH5	Ant1	2480	1.1523	2479.3833	2480.5356	---	---
3DH5	Ant1	2402	1.1839	2401.3768	2402.5607	---	---
3DH5	Ant1	2441	1.1847	2440.3790	2441.5637	---	---
3DH5	Ant1	2480	1.1948	2479.3690	2480.5638	---	---



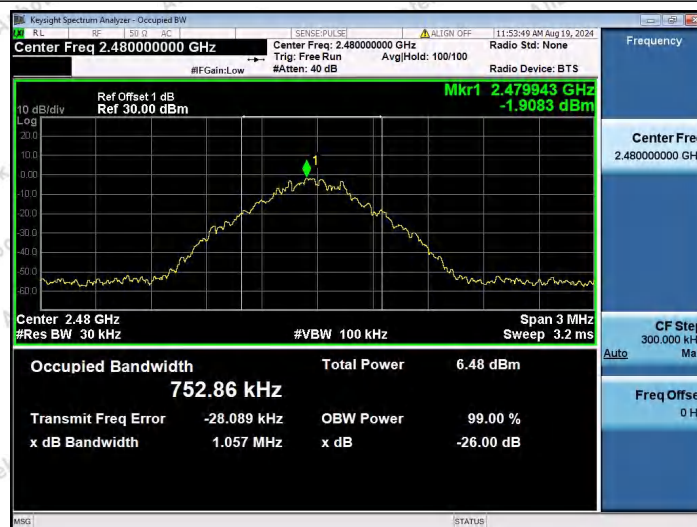
Test Graphs



DH5-Ant1-2402



DH5-Ant1-2441



DH5-Ant1-2480

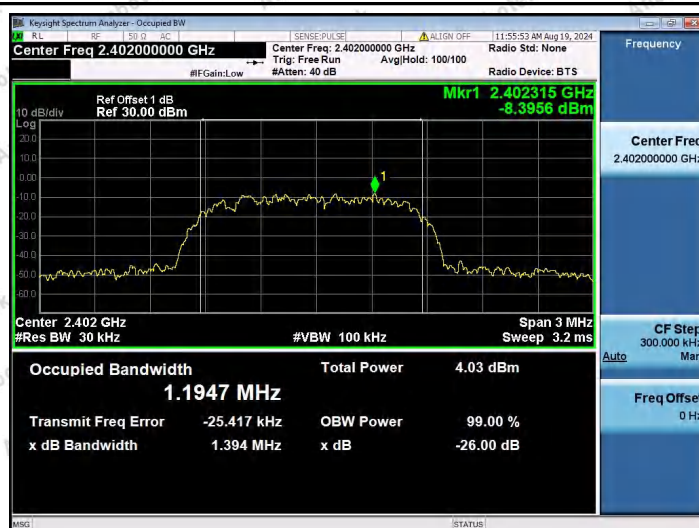
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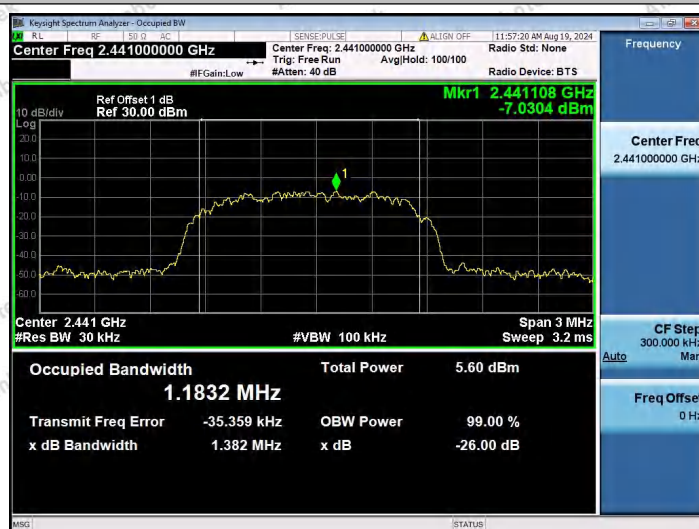


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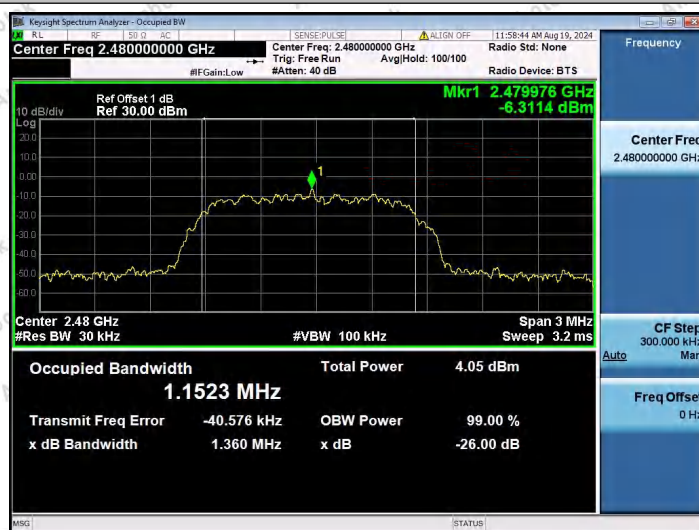




2DH5-Ant1-2402

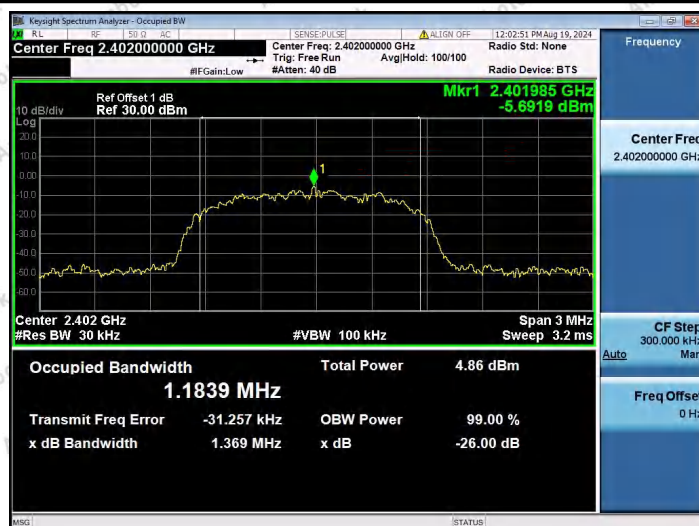


2DH5-Ant1-2441

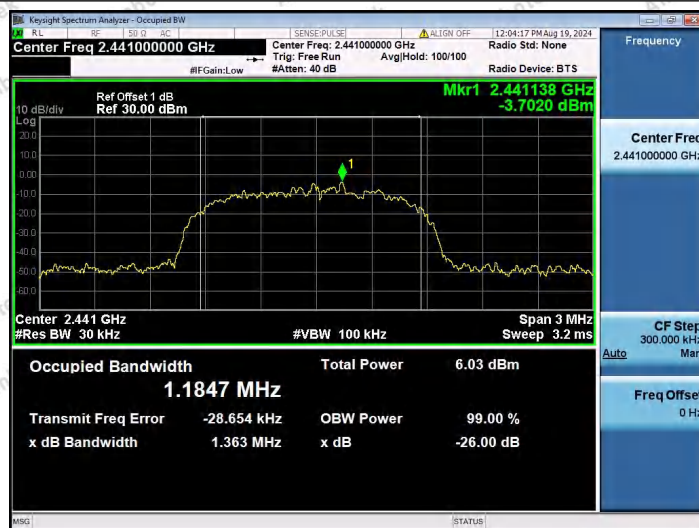


2DH5-Ant1-2480

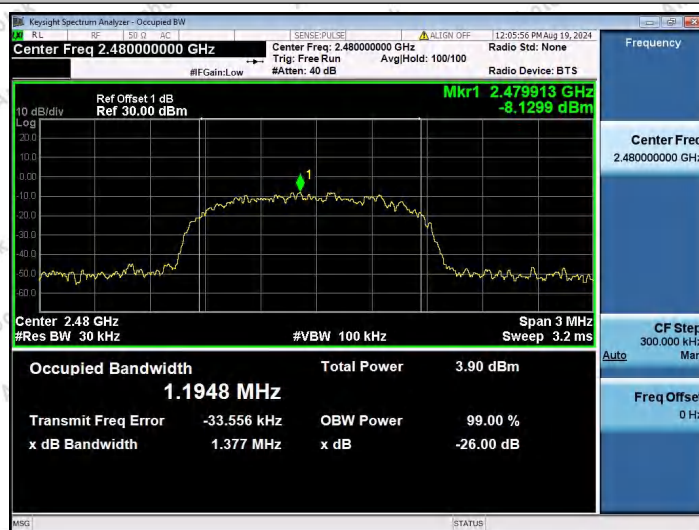




3DH5-Ant1-2402



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	1.51	≤20.97	PASS
DH5	Ant1	2441	2.43	≤20.97	PASS
DH5	Ant1	2480	0.76	≤20.97	PASS
2DH5	Ant1	2402	0.99	≤20.97	PASS
2DH5	Ant1	2441	2.08	≤20.97	PASS
2DH5	Ant1	2480	0.45	≤20.97	PASS
3DH5	Ant1	2402	1.43	≤20.97	PASS
3DH5	Ant1	2441	2.46	≤20.97	PASS
3DH5	Ant1	2480	0.86	≤20.97	PASS



Test Graphs



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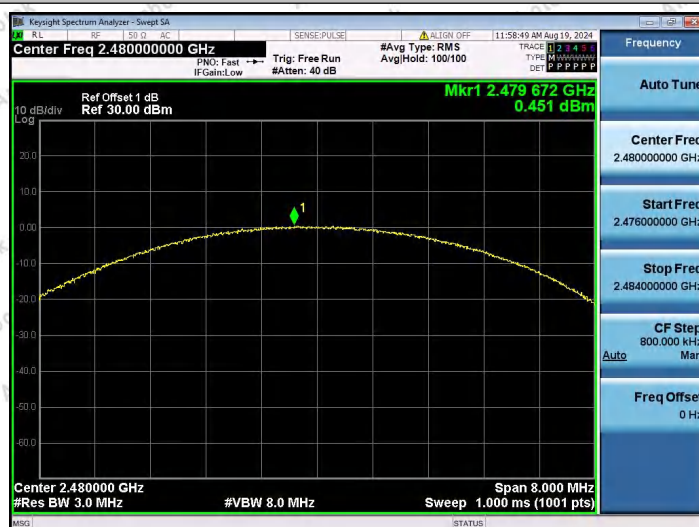




2DH5-Ant1-2402-PASS



2DH5-Ant1-2441-PASS

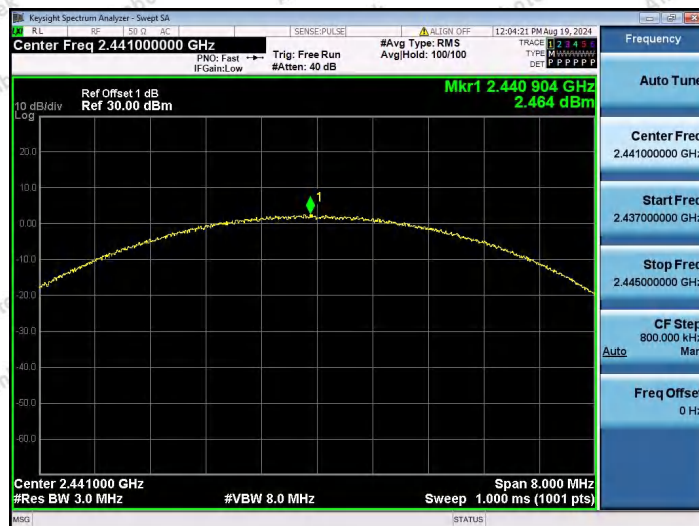


2DH5-Ant1-2480-PASS





3DH5-Ant1-2402-PASS



3DH5-Ant1-2441-PASS



3DH5-Ant1-2480-PASS

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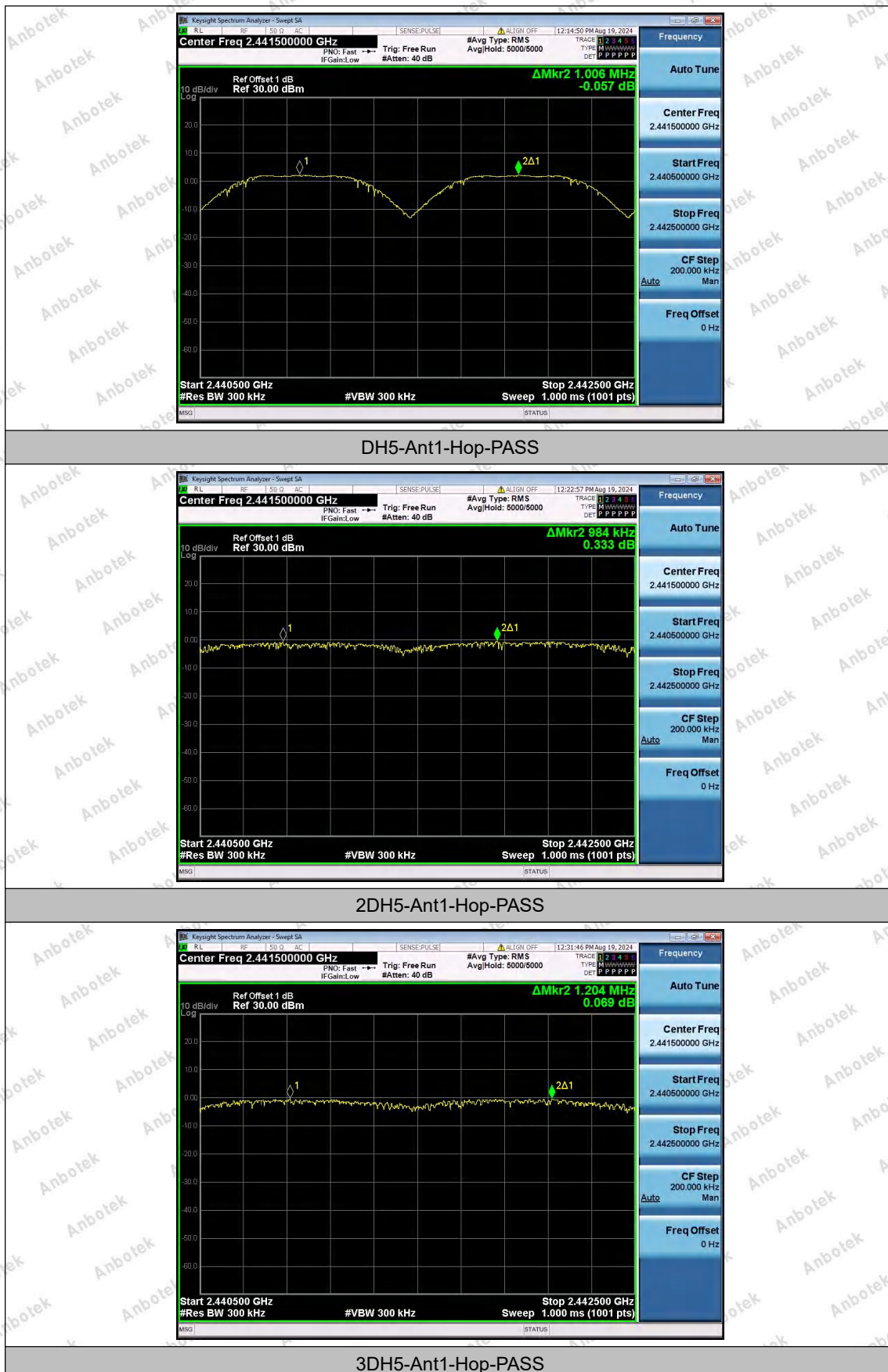
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.006	≥ 0.570	PASS
2DH5	Ant1	Hop	0.984	≥ 0.884	PASS
3DH5	Ant1	Hop	1.204	≥ 0.892	PASS



Test Graphs



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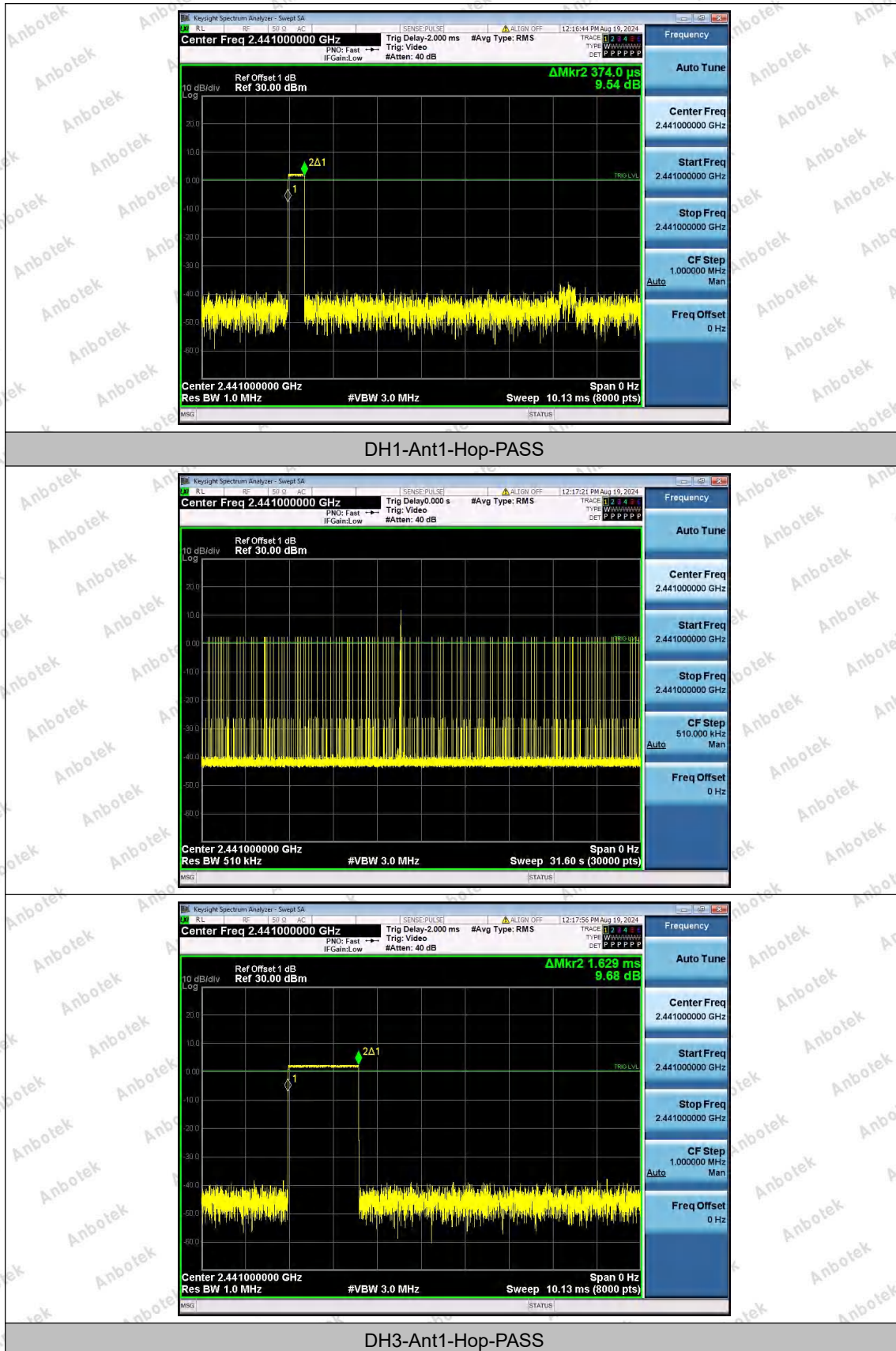
Appendix E: Dwell Time

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.374	120	0.045	≤0.4	PASS
DH3	Ant1	Hop	1.629	105	0.171	≤0.4	PASS
DH5	Ant1	Hop	2.878	95	0.273	≤0.4	PASS
2DH1	Ant1	Hop	0.380	122	0.046	≤0.4	PASS
2DH3	Ant1	Hop	1.633	107	0.175	≤0.4	PASS
2DH5	Ant1	Hop	2.882	98	0.282	≤0.4	PASS
3DH1	Ant1	Hop	0.383	123	0.047	≤0.4	PASS
3DH3	Ant1	Hop	1.633	105	0.171	≤0.4	PASS
3DH5	Ant1	Hop	2.884	96	0.277	≤0.4	PASS



Test Graphs



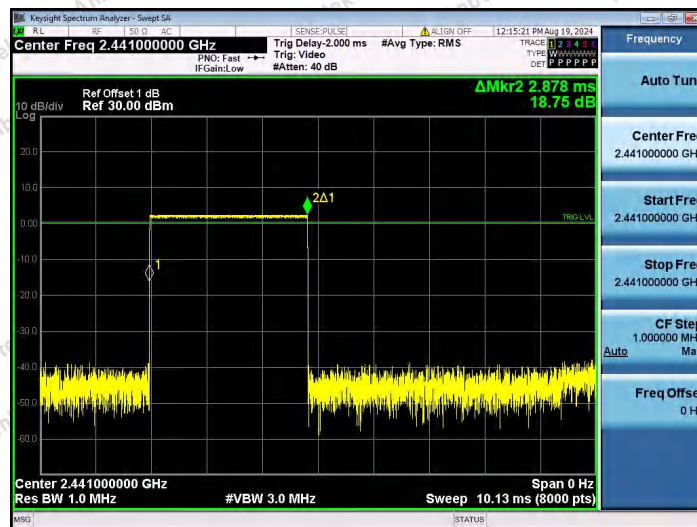
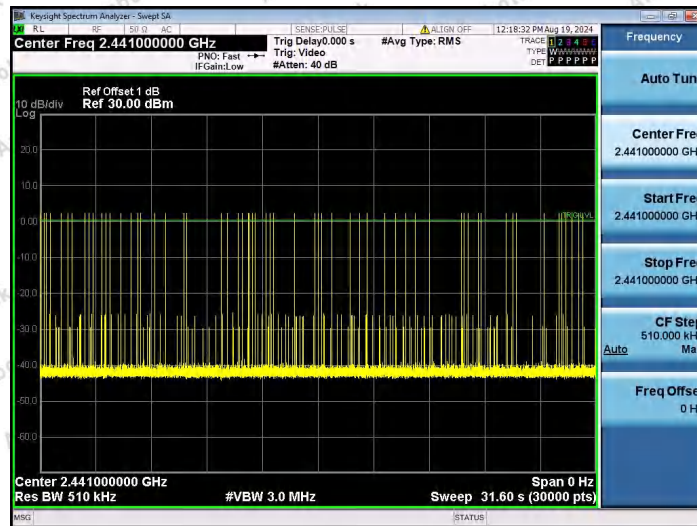
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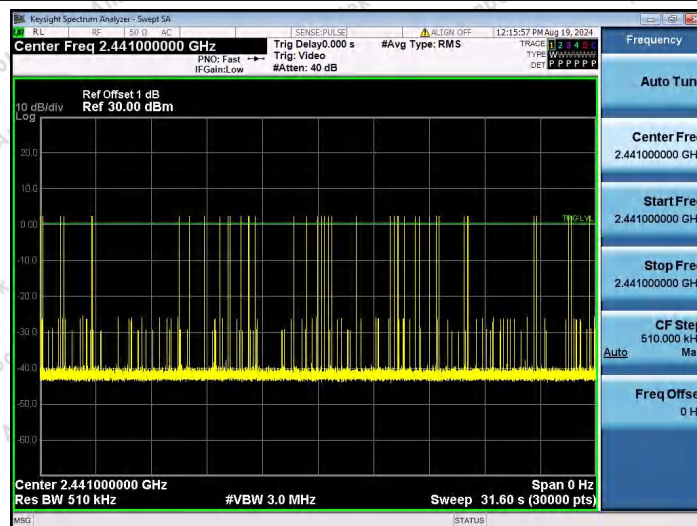


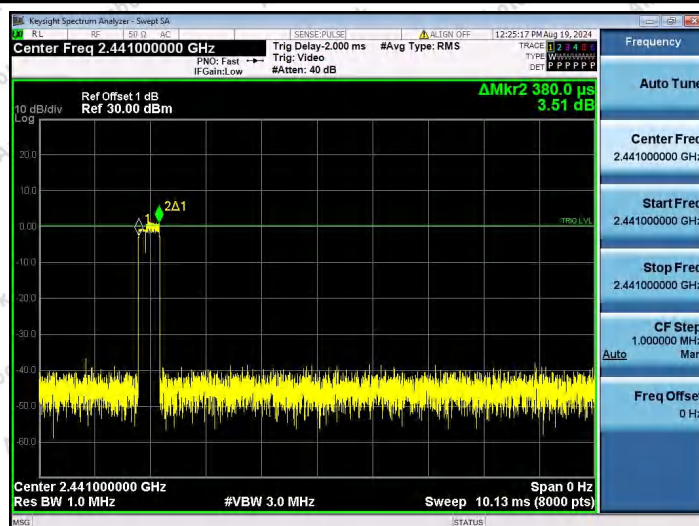
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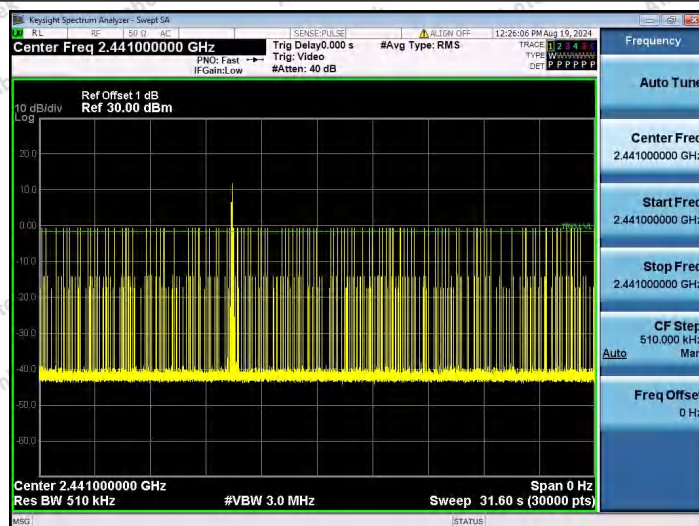


DH5-Ant1-Hop-PASS



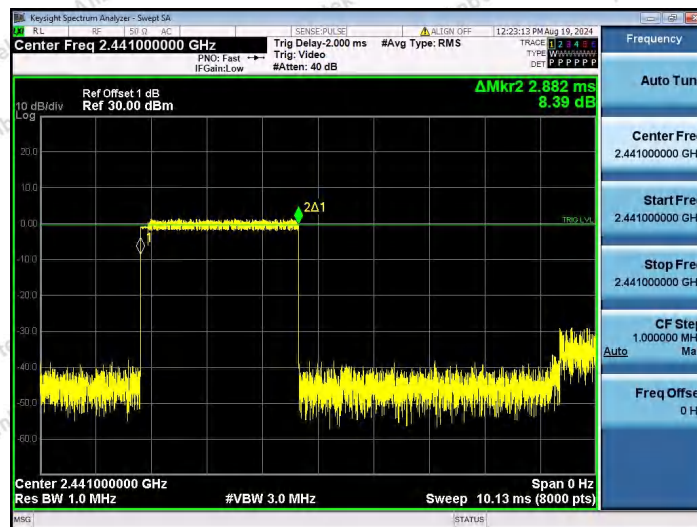
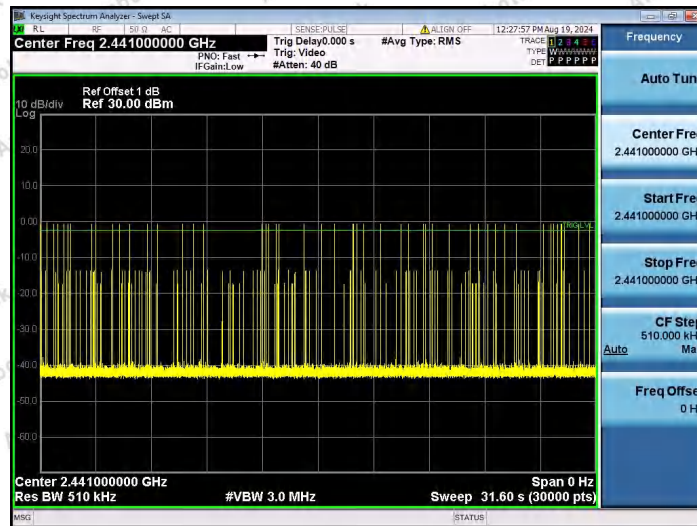


2DH1-Ant1-Hop-PASS

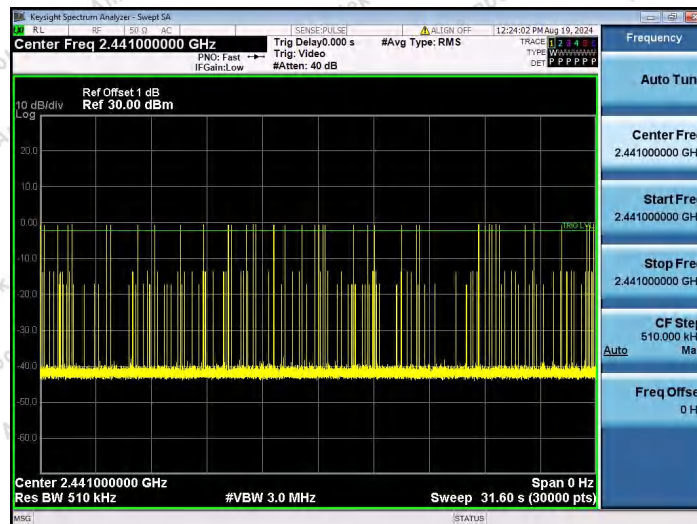


2DH3-Ant1-Hop-PASS





2DH5-Ant1-Hop-PASS



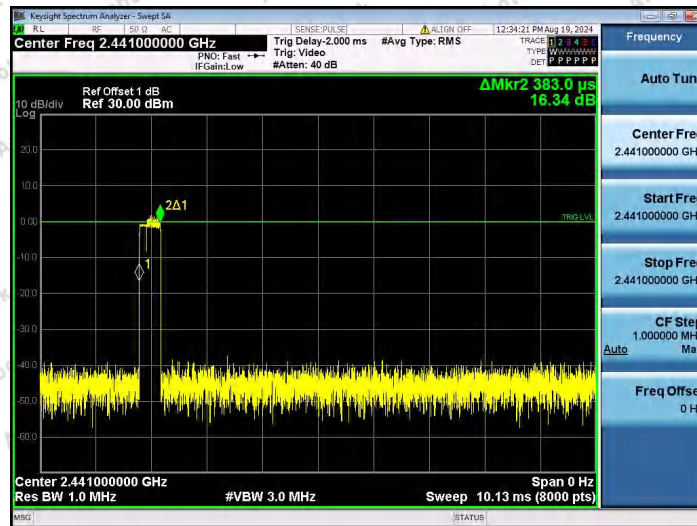
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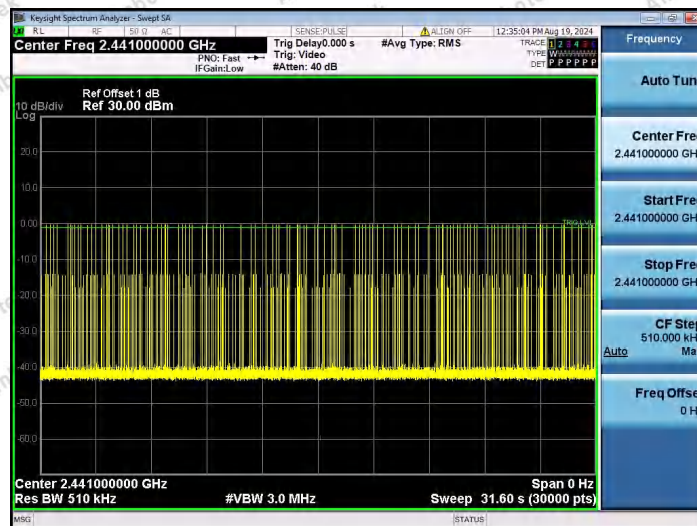


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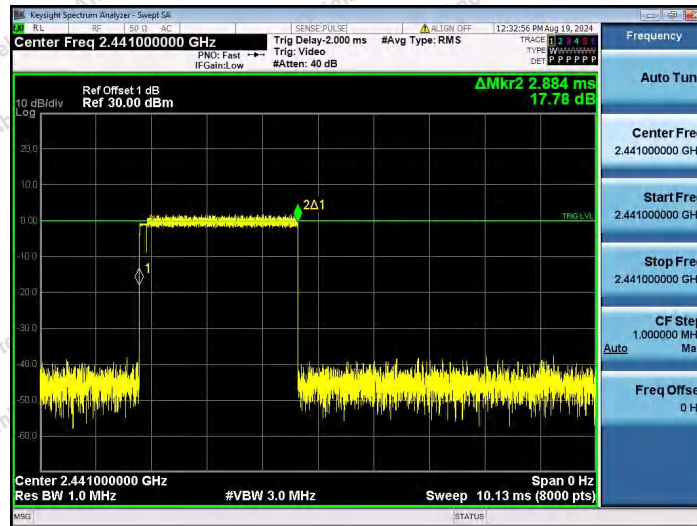
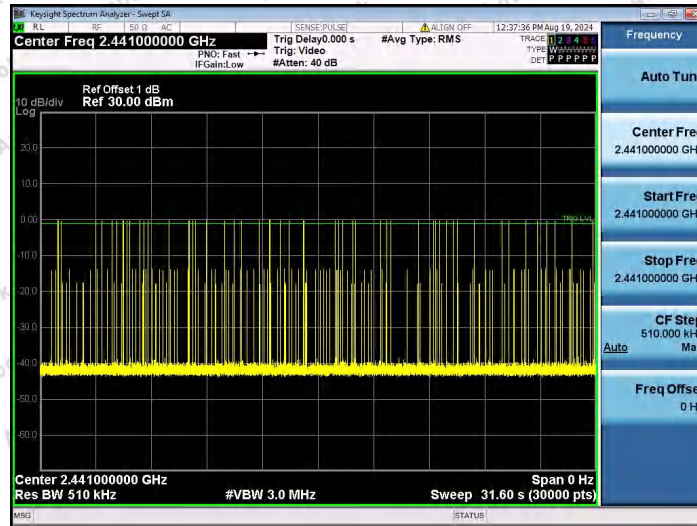


3DH1-Ant1-Hop-PASS

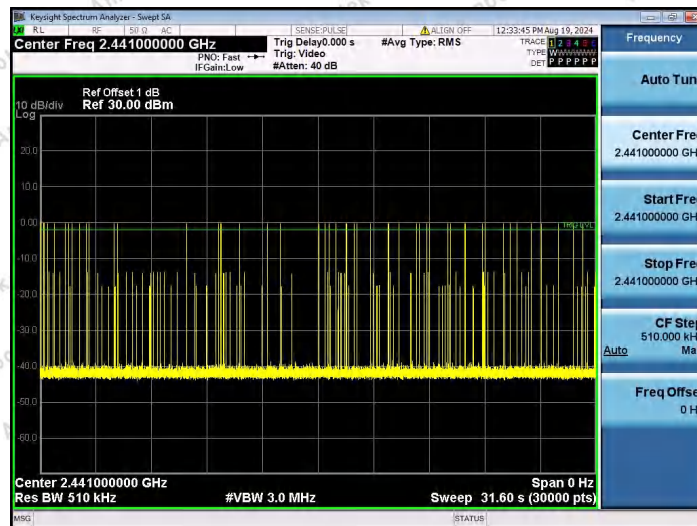


3DH3-Ant1-Hop-PASS





3DH5-Ant1-Hop-PASS



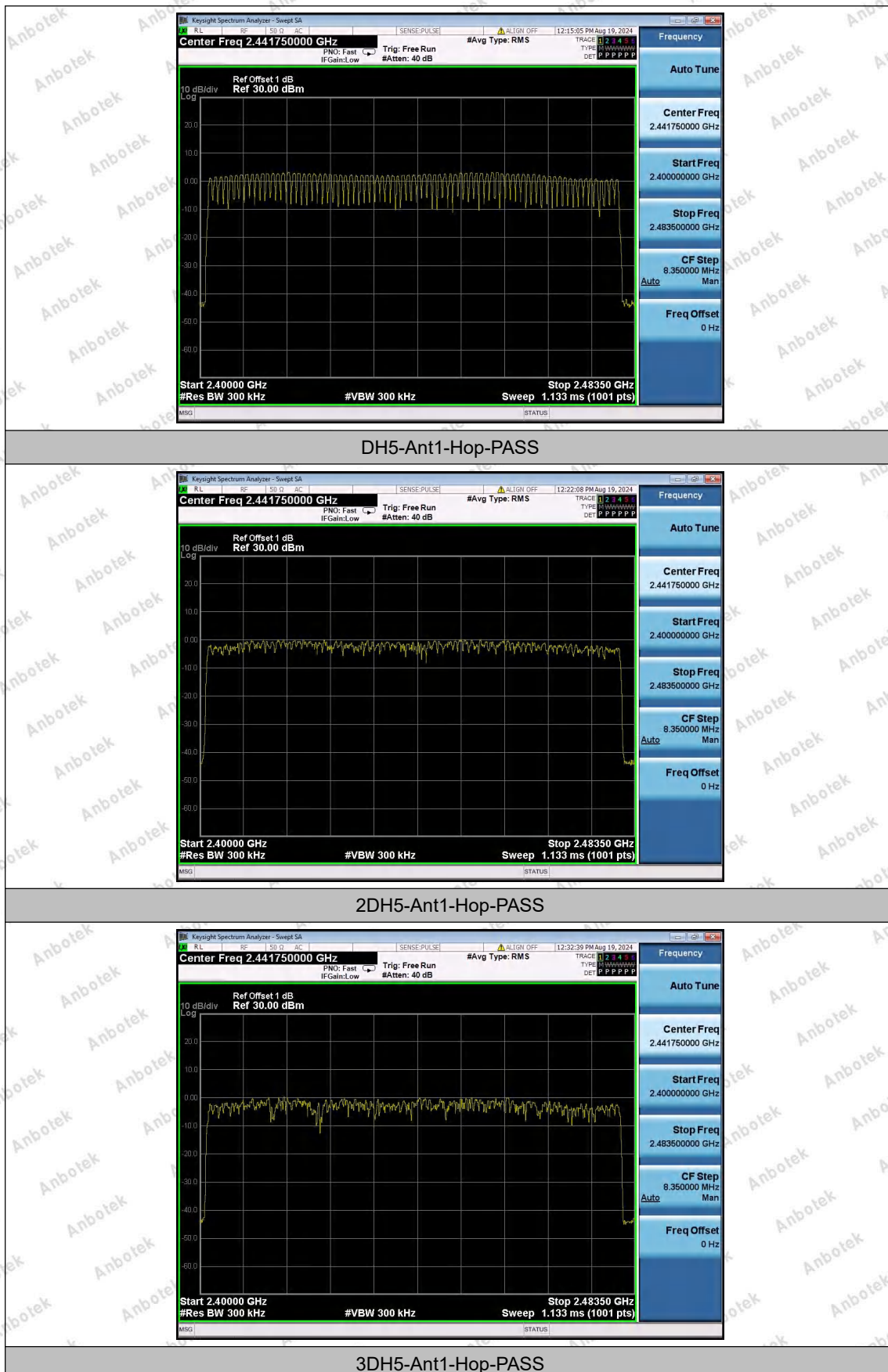
Appendix F: Number of Hopping Channel

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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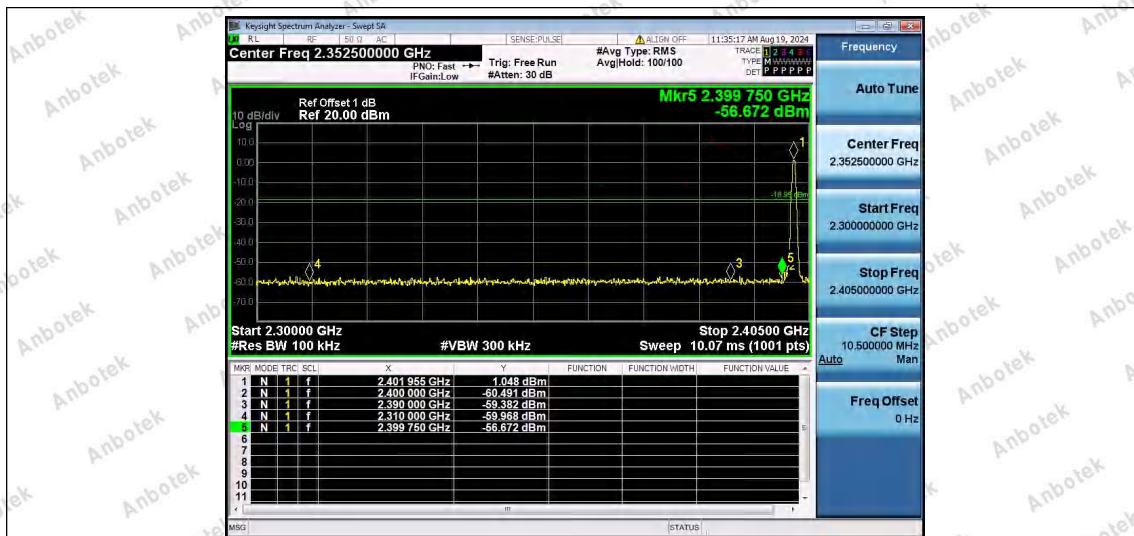
Appendix G: Conducted Band edge

Test Result

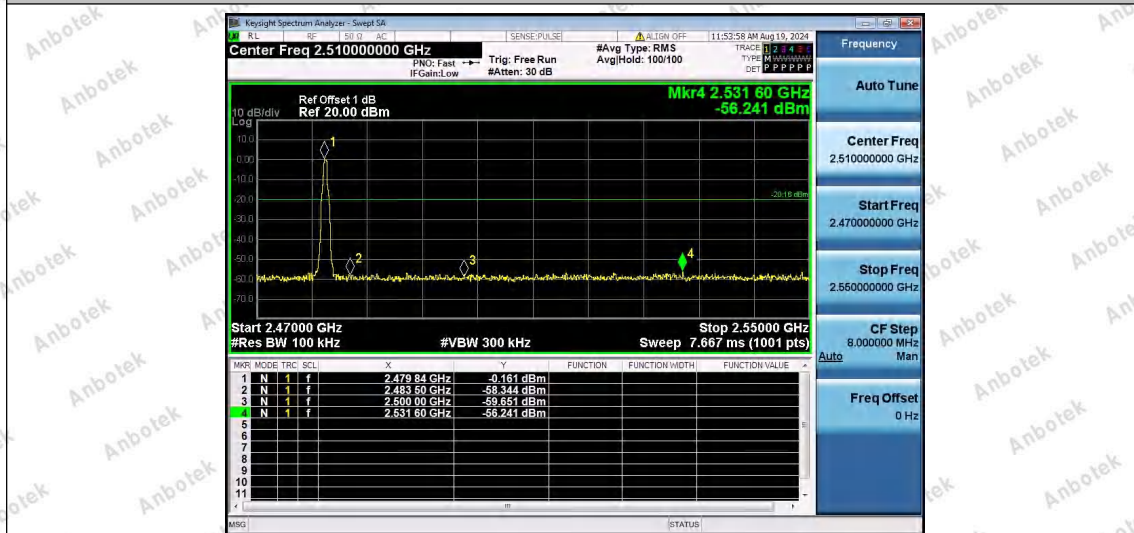
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.05	-56.67	≤-18.95	PASS
DH5	Ant1	High	2480	-0.16	-56.24	≤-20.16	PASS
DH5	Ant1	Low	Hop_2402	1.18	-55.21	≤-18.82	PASS
DH5	Ant1	High	Hop_2480	0.72	-55.61	≤-19.28	PASS
2DH5	Ant1	Low	2402	-3.48	-54.91	≤-23.48	PASS
2DH5	Ant1	High	2480	-3.01	-55.69	≤-23.01	PASS
2DH5	Ant1	Low	Hop_2402	-2.17	-54.38	≤-22.17	PASS
2DH5	Ant1	High	Hop_2480	-2.57	-55.2	≤-22.57	PASS
3DH5	Ant1	Low	2402	-3.55	-54.4	≤-23.55	PASS
3DH5	Ant1	High	2480	-2.67	-56.3	≤-22.67	PASS
3DH5	Ant1	Low	Hop_2402	-3.15	-55.67	≤-23.15	PASS
3DH5	Ant1	High	Hop_2480	-2.79	-55.34	≤-22.79	PASS



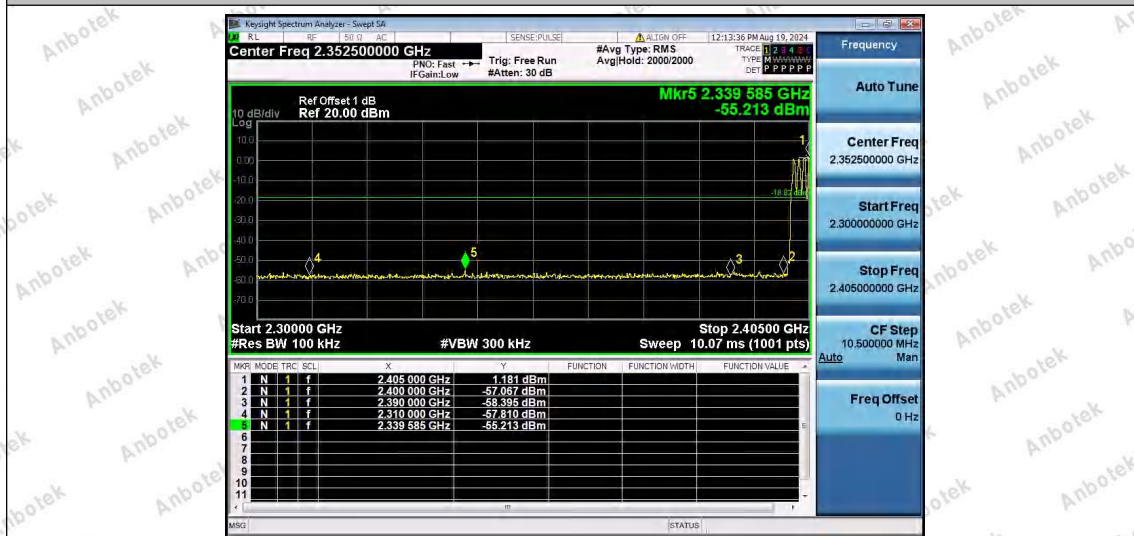
Test Graphs



DH5-Ant1-2402-PASS



DH5-Ant1-2480-PASS



DH5-Ant1-Hop_2402-PASS

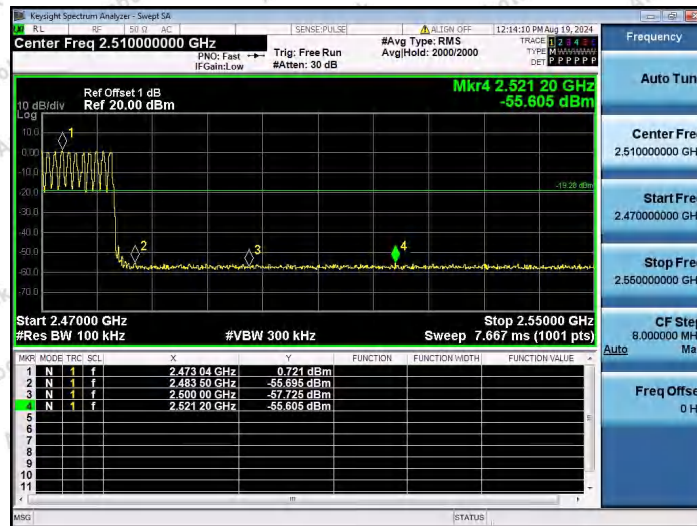
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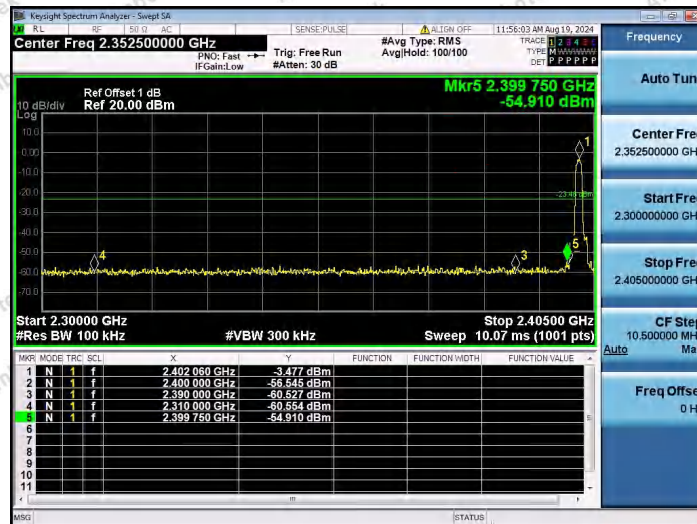


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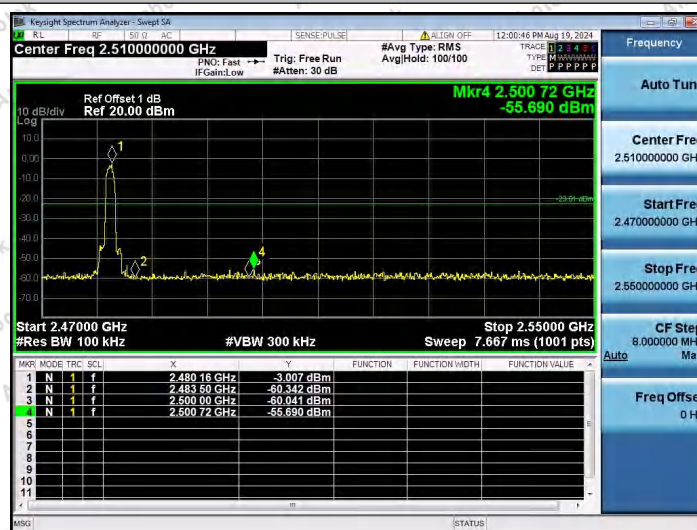




DH5-Ant1-Hop_2480-PASS



2DH5-Ant1-2402-PASS



2DH5-Ant1-2480-PASS

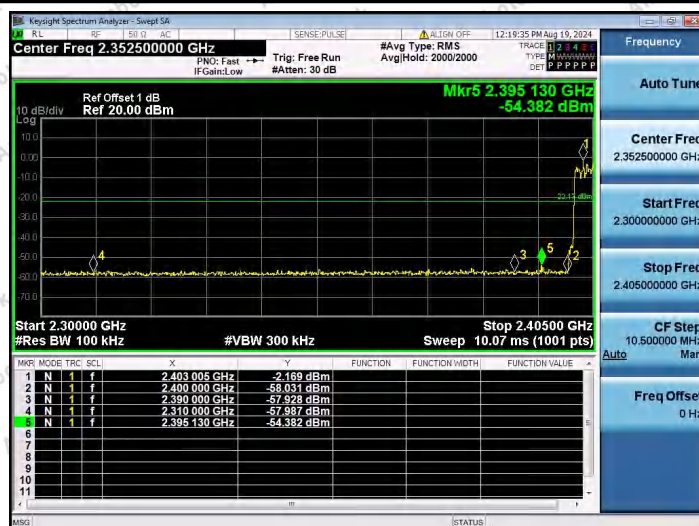
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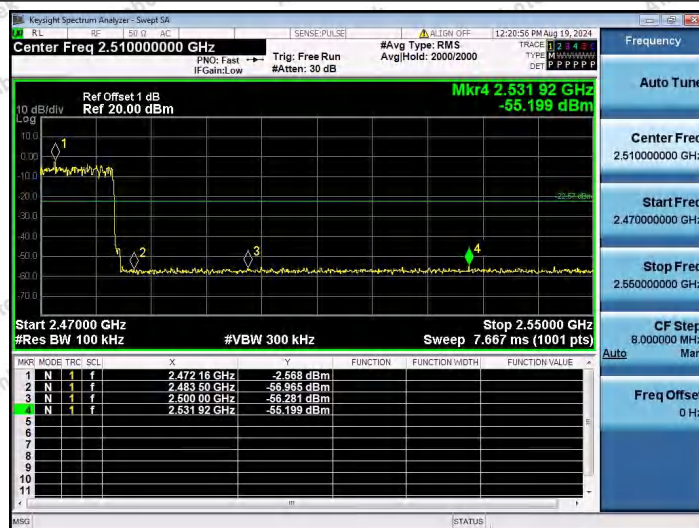


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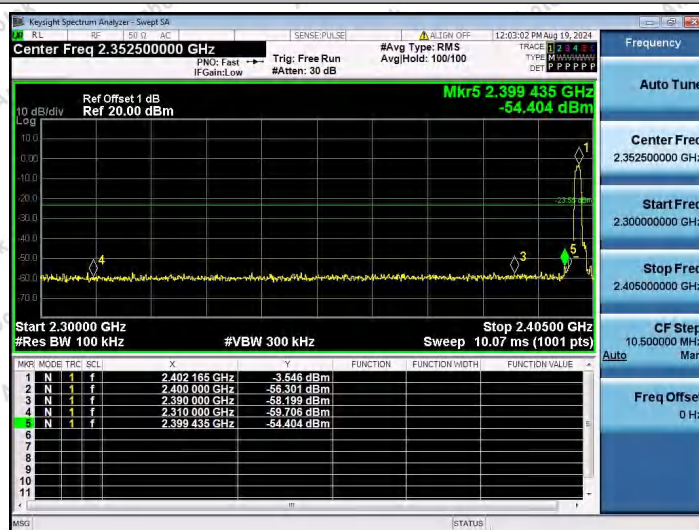




2DH5-Ant1-Hop_2402-PASS



2DH5-Ant1-Hop_2480-PASS



3DH5-Ant1-2402-PASS

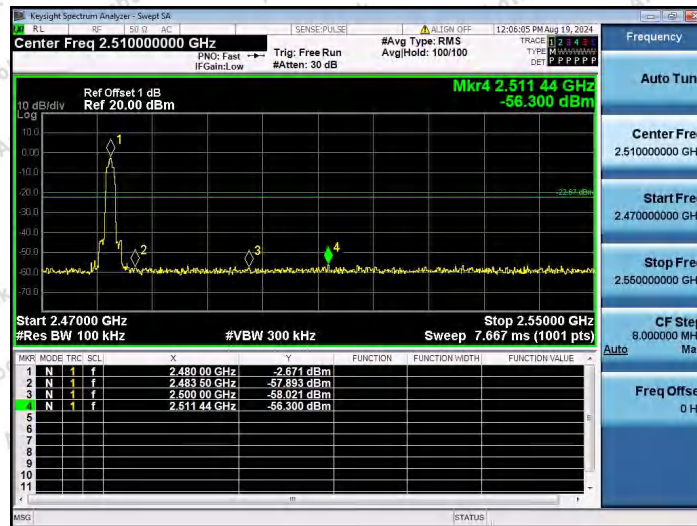
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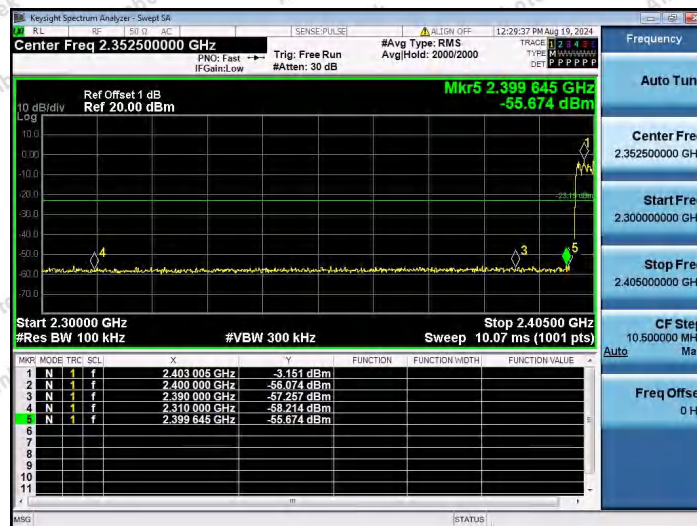


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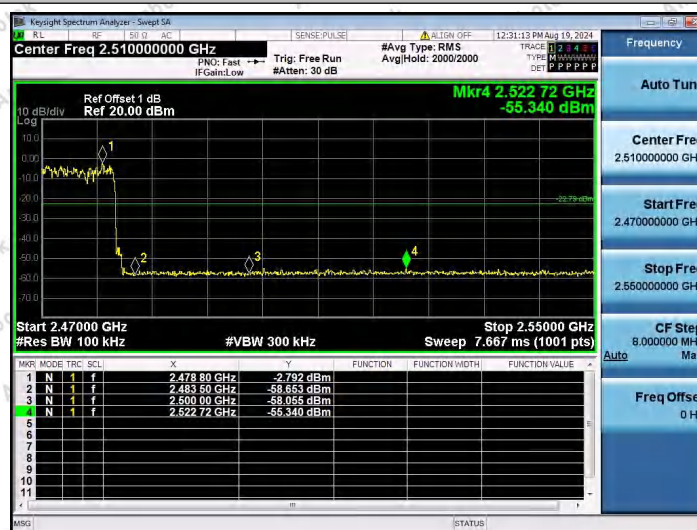




3DH5-Ant1-2480-PASS



3DH5-Ant1-Hop_2402-PASS



3DH5-Ant1-Hop_2480-PASS

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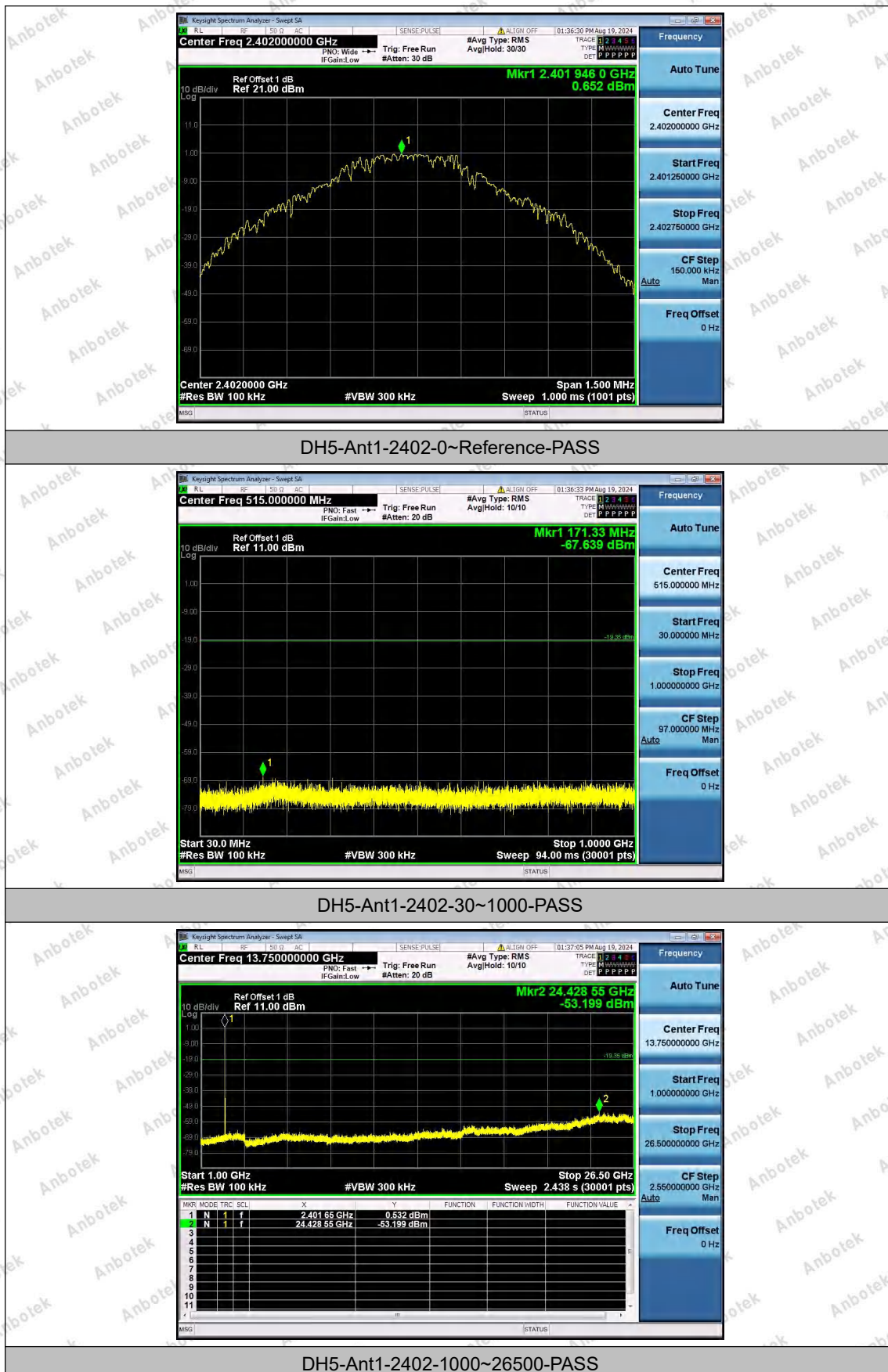
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	0.65	0.65	---	PASS
DH5	Ant1	2402	30~1000	0.65	-67.64	≤-19.35	PASS
DH5	Ant1	2402	1000~26500	0.65	-53.2	≤-19.35	PASS
DH5	Ant1	2441	0~Reference	1.54	1.54	---	PASS
DH5	Ant1	2441	30~1000	1.54	-67.28	≤-18.46	PASS
DH5	Ant1	2441	1000~26500	1.54	-53.32	≤-18.46	PASS
DH5	Ant1	2480	0~Reference	0.11	0.11	---	PASS
DH5	Ant1	2480	30~1000	0.11	-68.42	≤-19.89	PASS
DH5	Ant1	2480	1000~26500	0.11	-53.66	≤-19.89	PASS
2DH5	Ant1	2402	0~Reference	-4.08	-4.08	---	PASS
2DH5	Ant1	2402	30~1000	-4.08	-68.47	≤-24.08	PASS
2DH5	Ant1	2402	1000~26500	-4.08	-53.38	≤-24.08	PASS
2DH5	Ant1	2441	0~Reference	-2.40	-2.40	---	PASS
2DH5	Ant1	2441	30~1000	-2.40	-67.17	≤-22.4	PASS
2DH5	Ant1	2441	1000~26500	-2.40	-53.44	≤-22.4	PASS
2DH5	Ant1	2480	0~Reference	-5.17	-5.17	---	PASS
2DH5	Ant1	2480	30~1000	-5.17	-67.37	≤-25.17	PASS
2DH5	Ant1	2480	1000~26500	-5.17	-52.1	≤-25.17	PASS
3DH5	Ant1	2402	0~Reference	-3.98	-3.98	---	PASS
3DH5	Ant1	2402	30~1000	-3.98	-67.39	≤-23.98	PASS
3DH5	Ant1	2402	1000~26500	-3.98	-53.41	≤-23.98	PASS
3DH5	Ant1	2441	0~Reference	-1.59	-1.59	---	PASS
3DH5	Ant1	2441	30~1000	-1.59	-67.86	≤-21.59	PASS
3DH5	Ant1	2441	1000~26500	-1.59	-53.36	≤-21.59	PASS
3DH5	Ant1	2480	0~Reference	-2.45	-2.45	---	PASS
3DH5	Ant1	2480	30~1000	-2.45	-68.8	≤-22.45	PASS
3DH5	Ant1	2480	1000~26500	-2.45	-50.65	≤-22.45	PASS



Test Graphs



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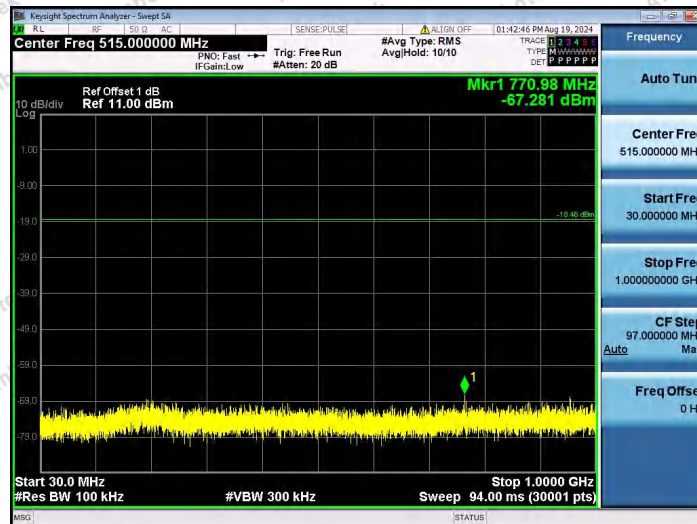


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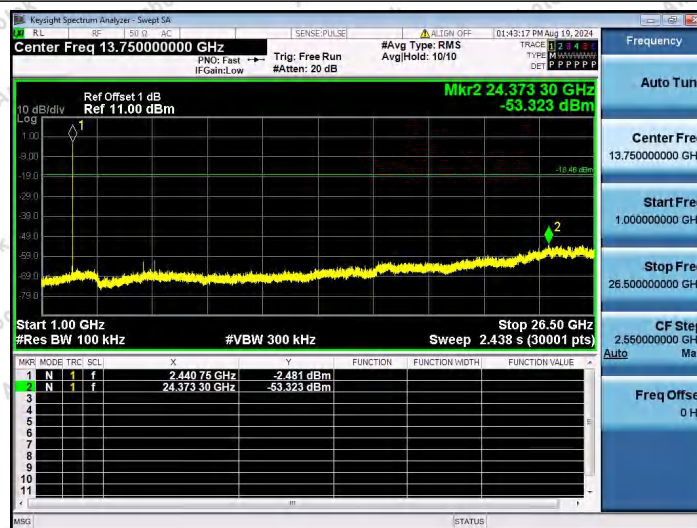




DH5-Ant1-2441-0~Reference-PASS



DH5-Ant1-2441-30~1000-PASS

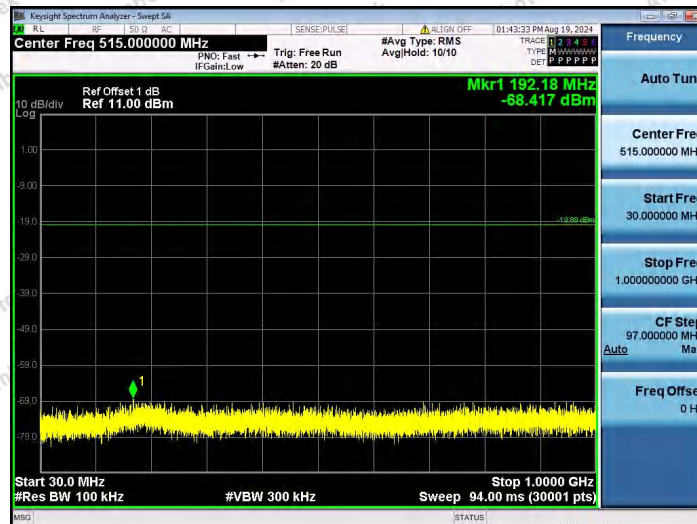


DH5-Ant1-2441-1000~26500-PASS

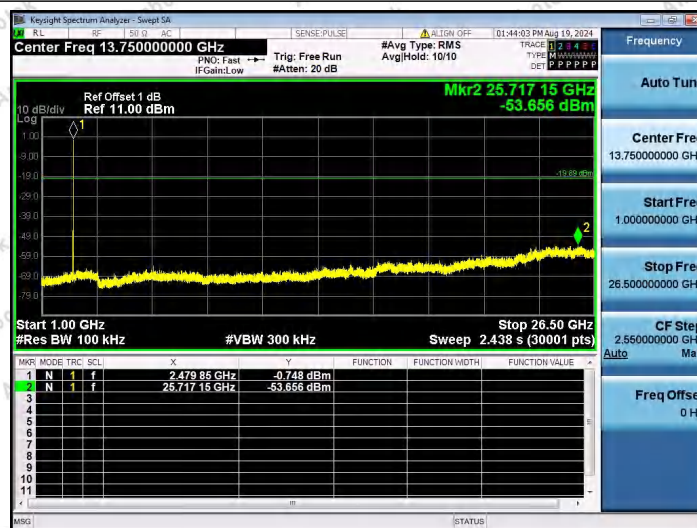




DH5-Ant1-2480-0~Reference-PASS



DH5-Ant1-2480-30~1000-PASS



DH5-Ant1-2480-1000~26500-PASS

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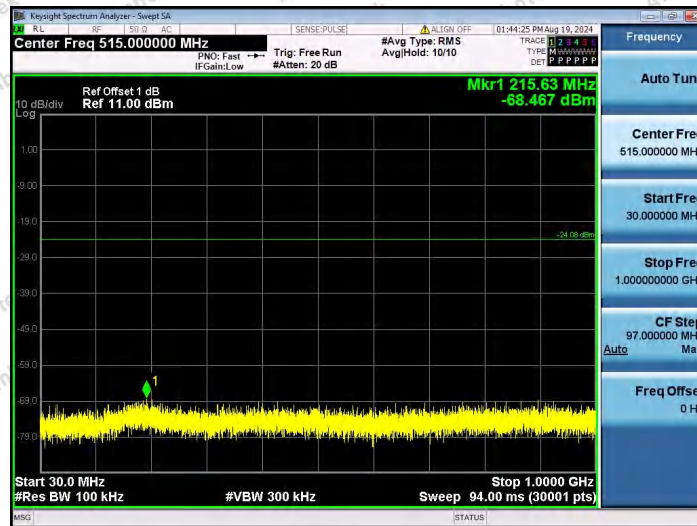


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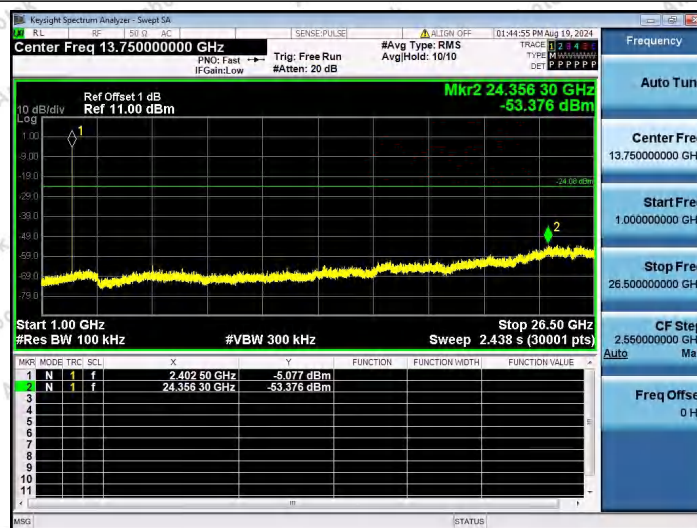




2DH5-Ant1-2402-0~Reference-PASS



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

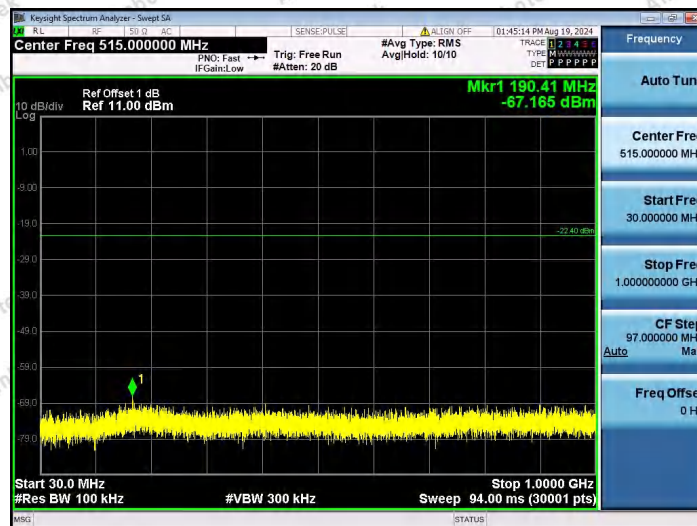


2DH5-Ant1-2402-1000~26500-PASS

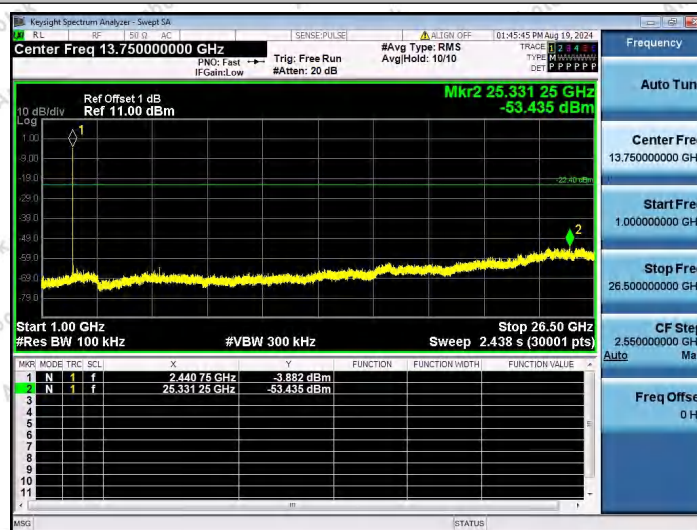




2DH5-Ant1-2441-0~Reference-PASS



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

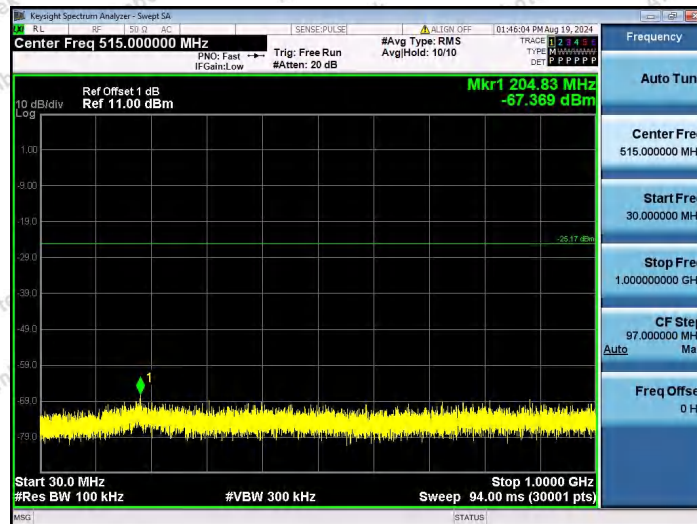


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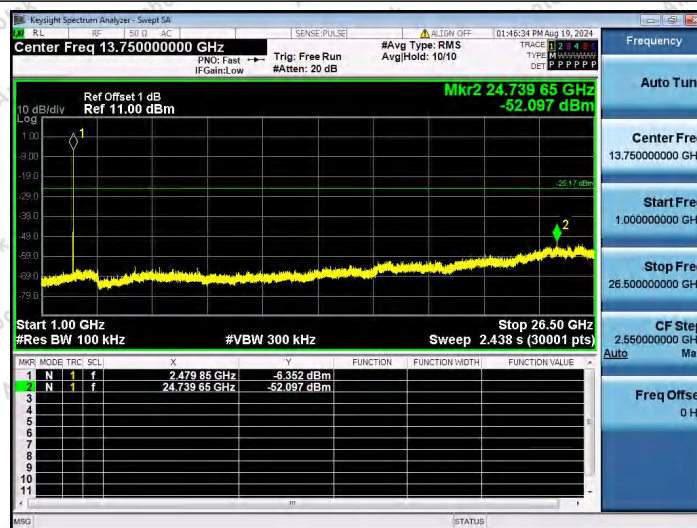




2DH5-Ant1-2480-0~Reference-PASS



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



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

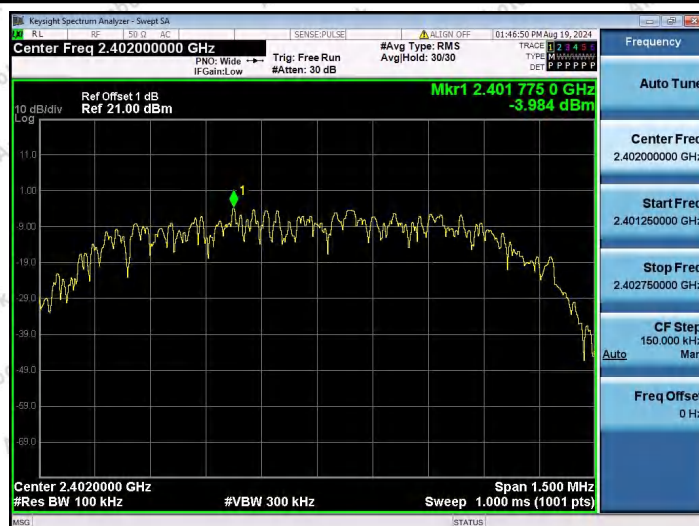
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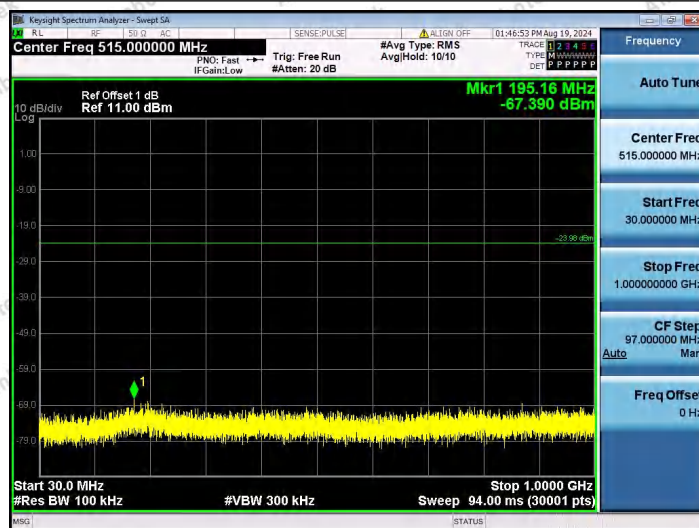


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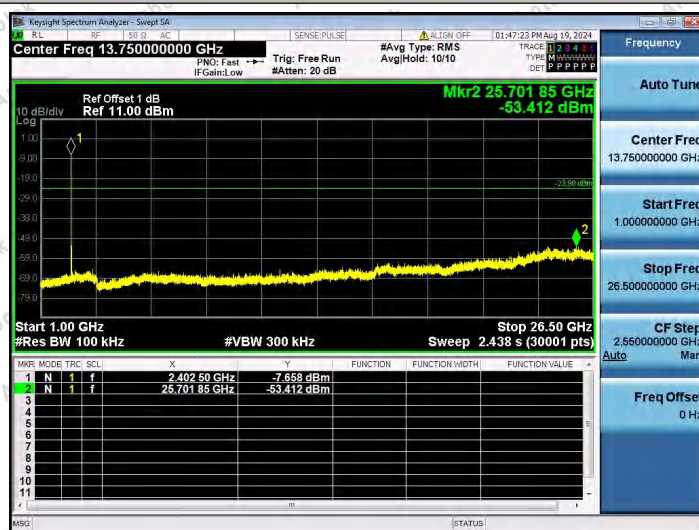




3DH5-Ant1-2402-0~Reference-PASS

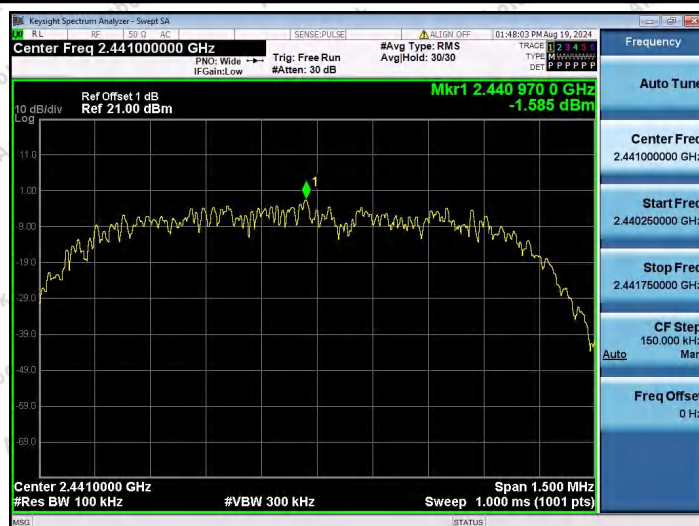


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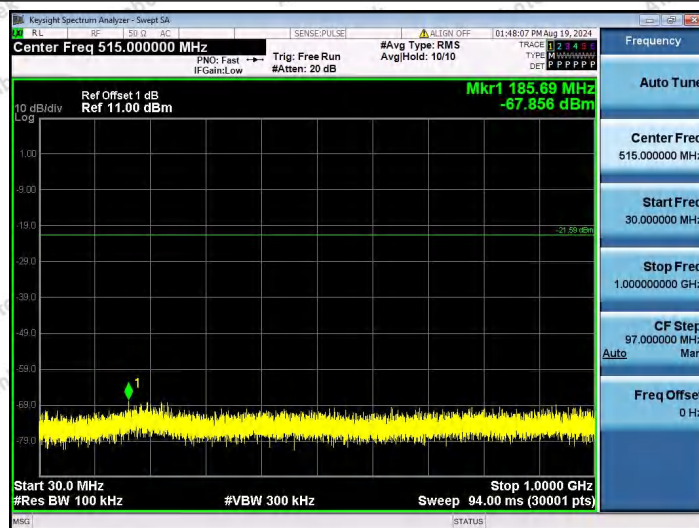


3DH5-Ant1-2402-1000~26500-PASS

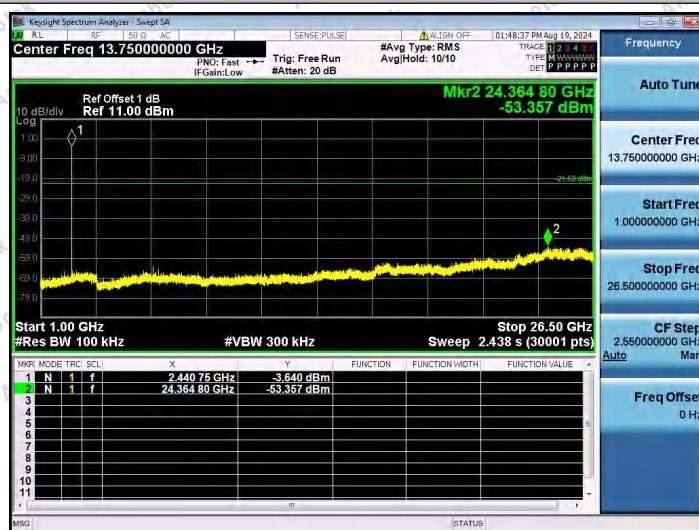




3DH5-Ant1-2441-0~Reference-PASS



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

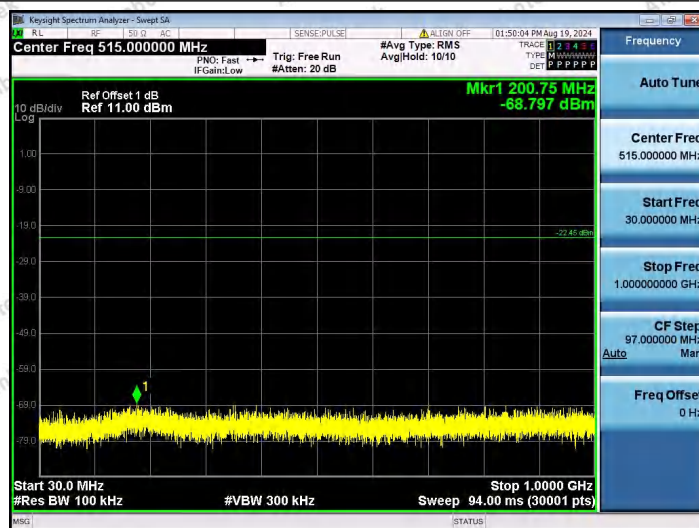


3DH5-Ant1-2441-1000~26500-PASS

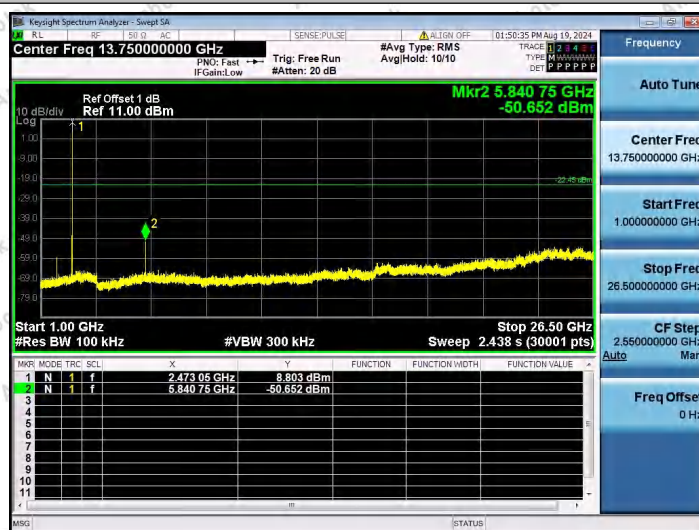




3DH5-Ant1-2480-0~Reference-PASS



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



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

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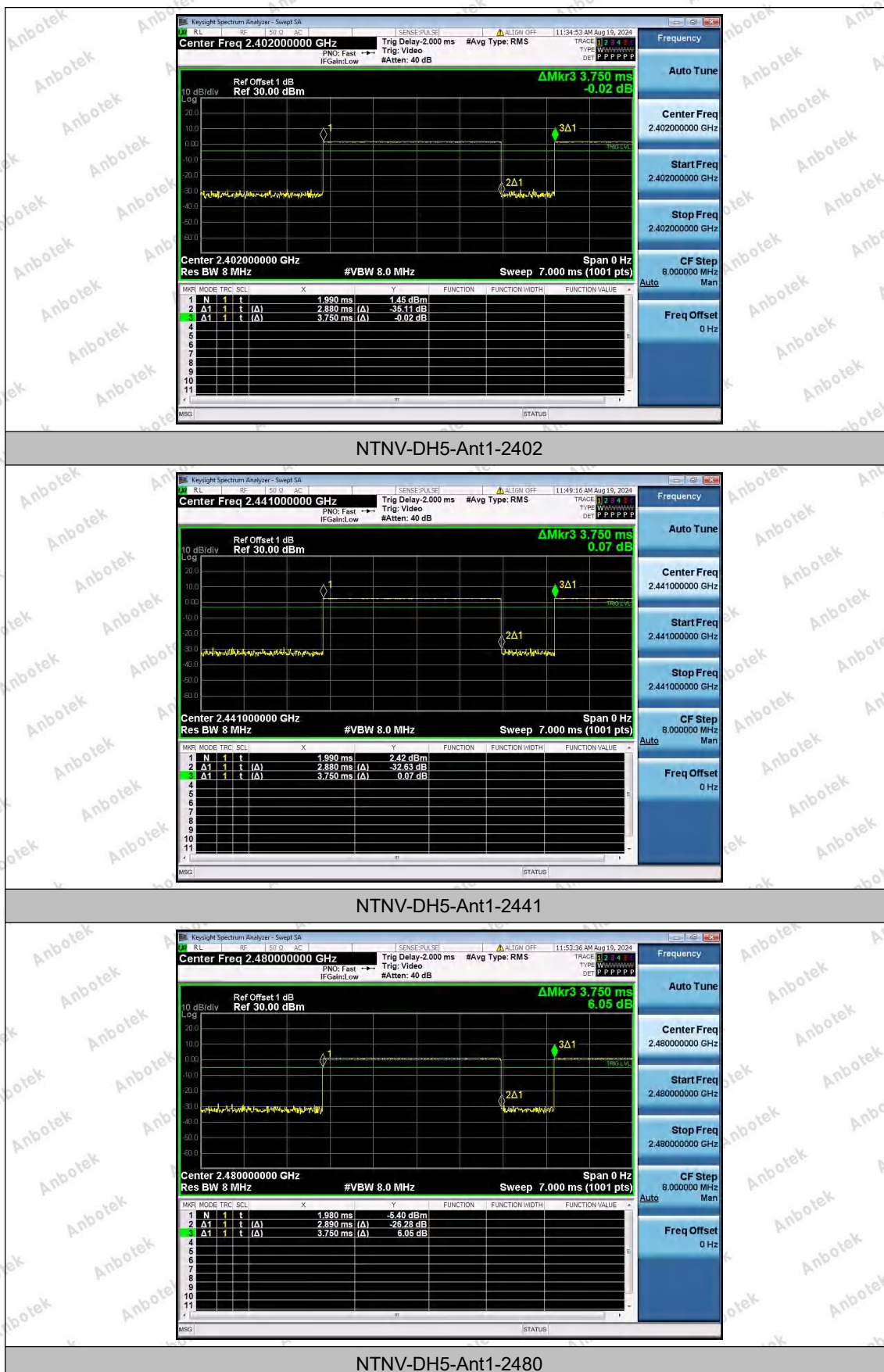
Appendix I: Duty Cycle

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	3.75	76.80	1.15
DH5	Ant1	2480	2.89	3.75	77.07	1.13
2DH5	Ant1	2402	2.88	3.74	77.01	1.13
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	3.75	76.80	1.15
3DH5	Ant1	2441	2.88	3.74	77.01	1.13
3DH5	Ant1	2480	2.88	3.75	76.80	1.15



Test Graphs



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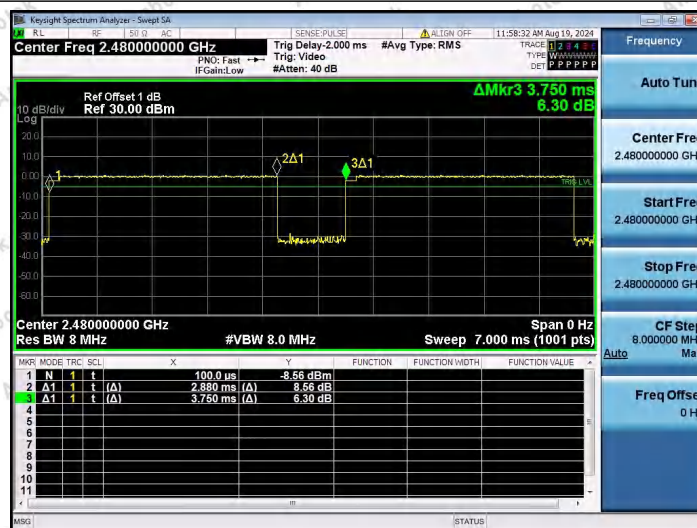




NTVN-2DH5-Ant1-2402



NTVN-2DH5-Ant1-2441



NTVN-2DH5-Ant1-2480

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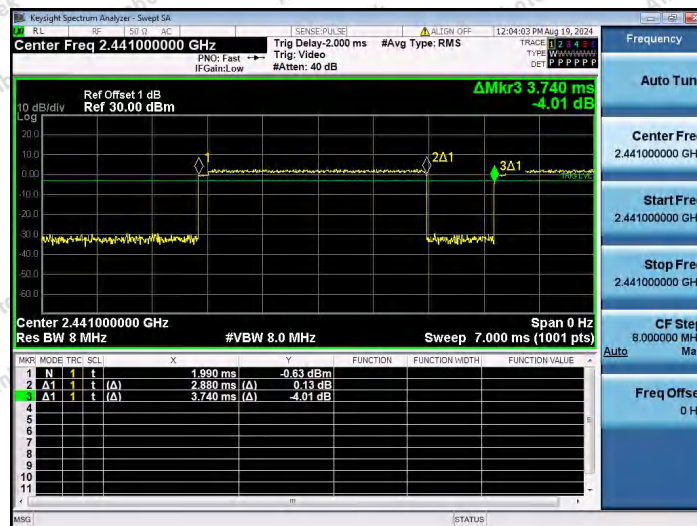


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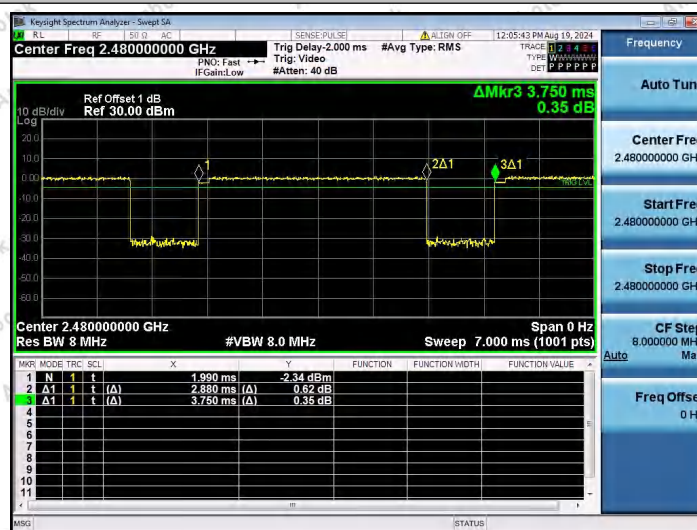




NTVN-3DH5-Ant1-2402



NTVN-3DH5-Ant1-2441



NTVN-3DH5-Ant1-2480

---End---

