



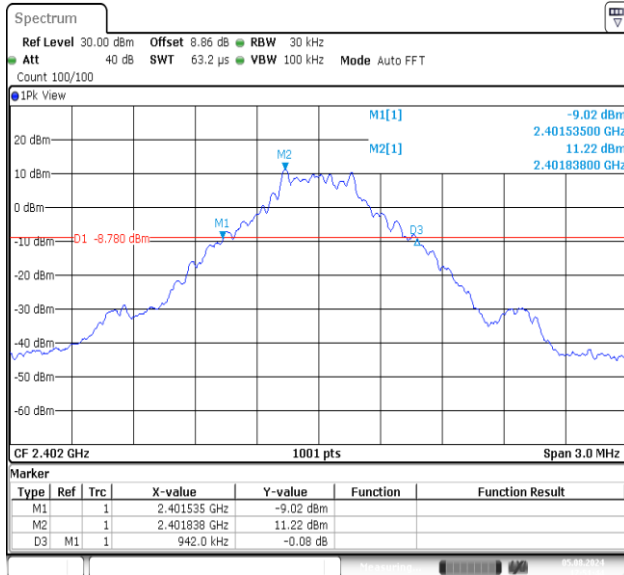
Appendix A: 20dB Emission Bandwidth

Test Result

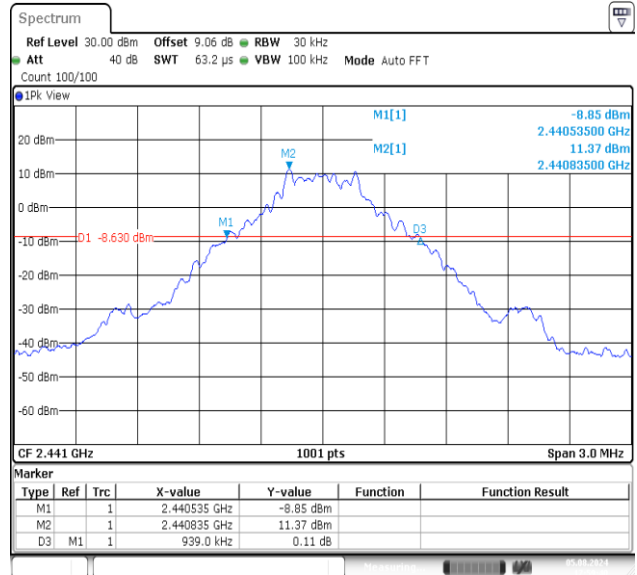
Test Mode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.94	2401.54	2402.48	---	---
DH5	Ant1	2441	0.94	2440.54	2441.47	---	---
DH5	Ant1	2480	0.94	2479.54	2480.47	---	---
2DH5	Ant1	2402	1.25	2401.37	2402.62	---	---
2DH5	Ant1	2441	1.27	2440.37	2441.64	---	---
2DH5	Ant1	2480	1.28	2479.37	2480.65	---	---
3DH5	Ant1	2402	1.25	2401.36	2402.62	---	---
3DH5	Ant1	2441	1.25	2440.36	2441.62	---	---
3DH5	Ant1	2480	1.26	2479.36	2480.62	---	---



Test Graphs



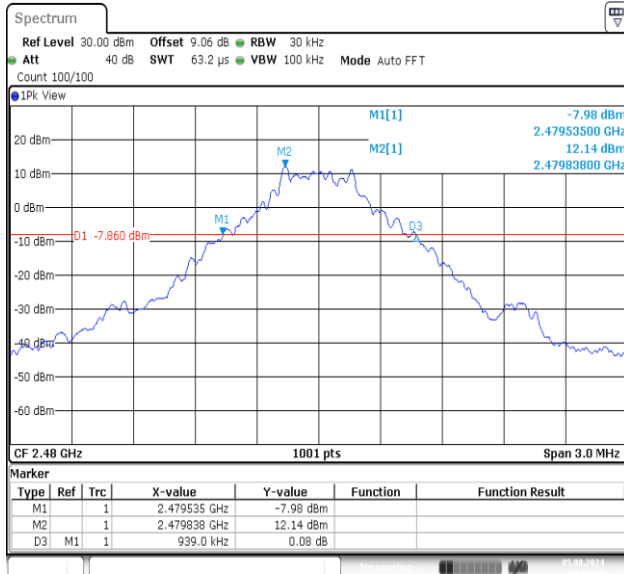
Date: 5.AUG.2024 17:51:44



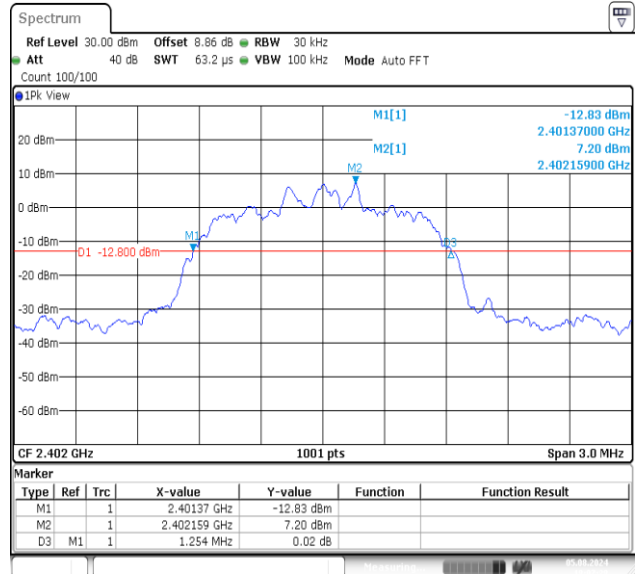
Date: 5.AUG.2024 17:59:41

DH5-Ant1-2402

DH5-Ant1-2441



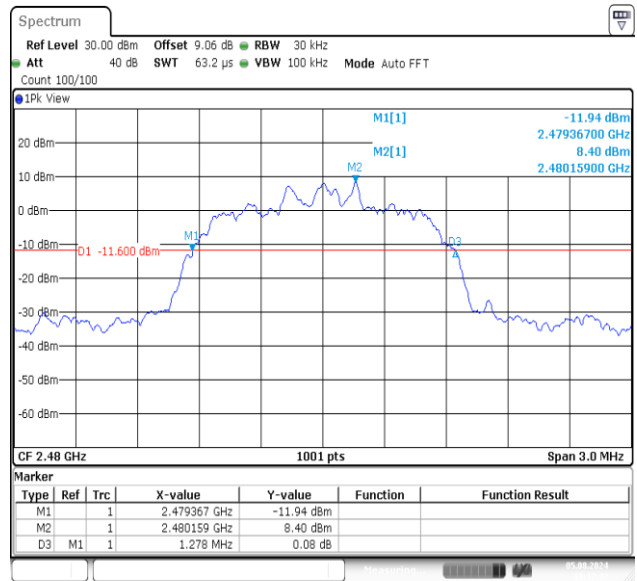
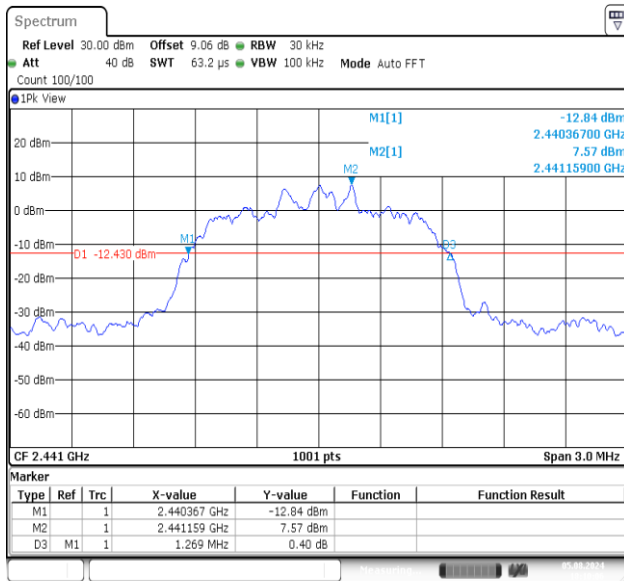
Date: 5.AUG.2024 18:02:31



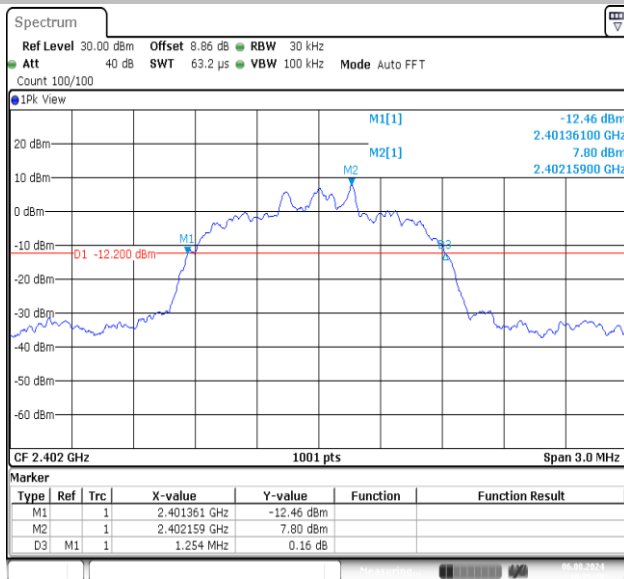
Date: 5.AUG.2024 18:07:29

DH5-Ant1-2480

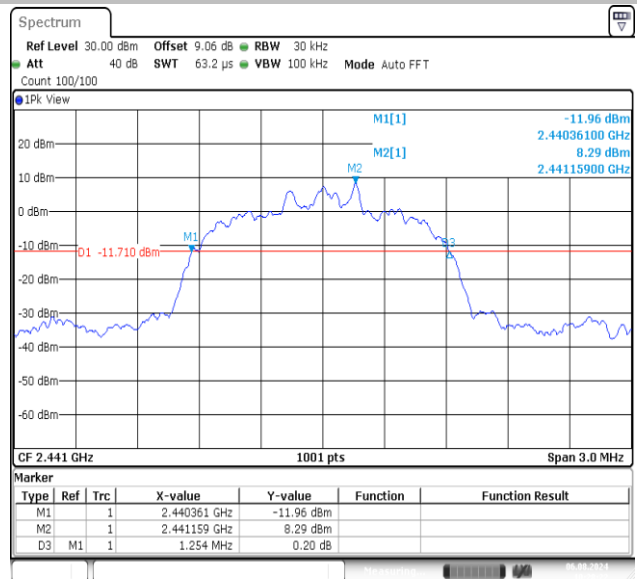
2DH5-Ant1-2402



2DH5-Ant1-2441

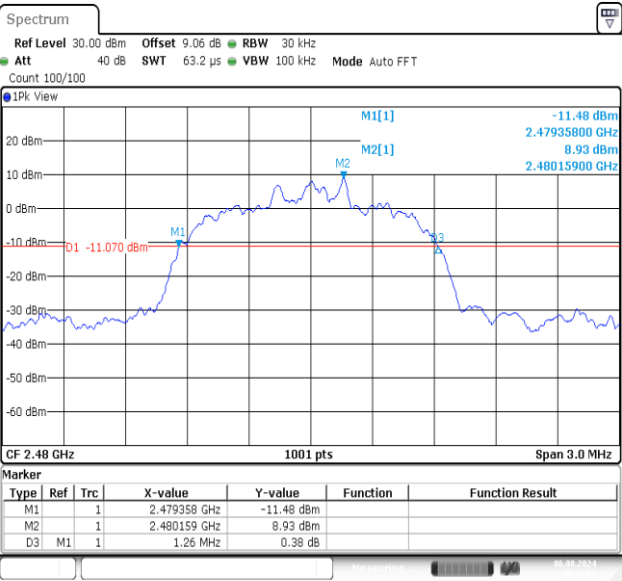


2DH5-Ant1-2480



3DH5-Ant1-2402

3DH5-Ant1-2441



Date: 6.AUG.2024 10:31:02

3DH5-Ant1-2480



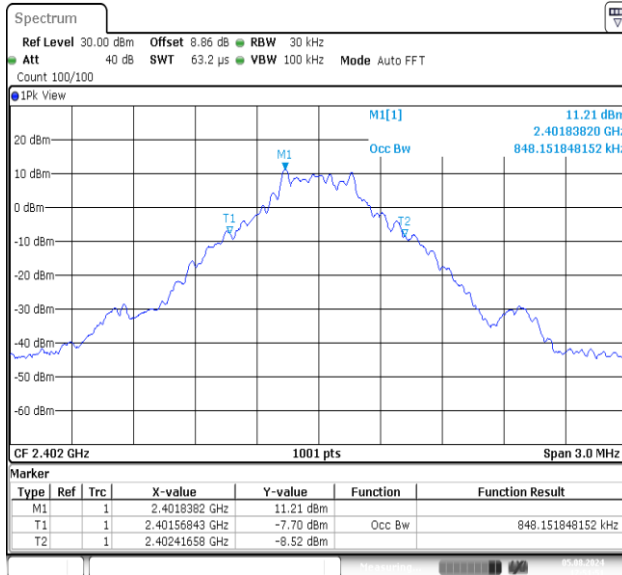
Appendix B: Occupied Channel Bandwidth

Test Result

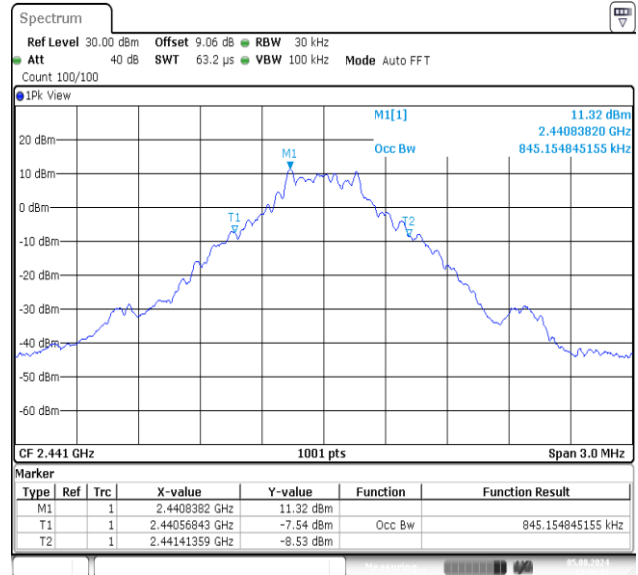
Test Mode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.848	2401.5684	2402.4166	---	---
DH5	Ant1	2441	0.845	2440.5684	2441.4136	---	---
DH5	Ant1	2480	0.845	2479.5684	2480.4136	---	---
2DH5	Ant1	2402	1.145	2401.4216	2402.5664	---	---
2DH5	Ant1	2441	1.145	2440.4216	2441.5664	---	---
2DH5	Ant1	2480	1.148	2479.4186	2480.5664	---	---
3DH5	Ant1	2402	1.142	2401.4276	2402.5694	---	---
3DH5	Ant1	2441	1.142	2440.4276	2441.5694	---	---
3DH5	Ant1	2480	1.145	2479.4246	2480.5694	---	---



Test Graphs



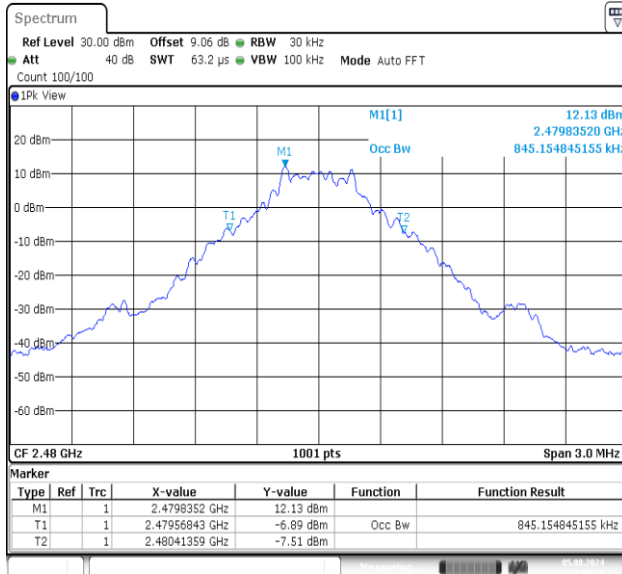
Date: 5.AUG.2024 17:51:51



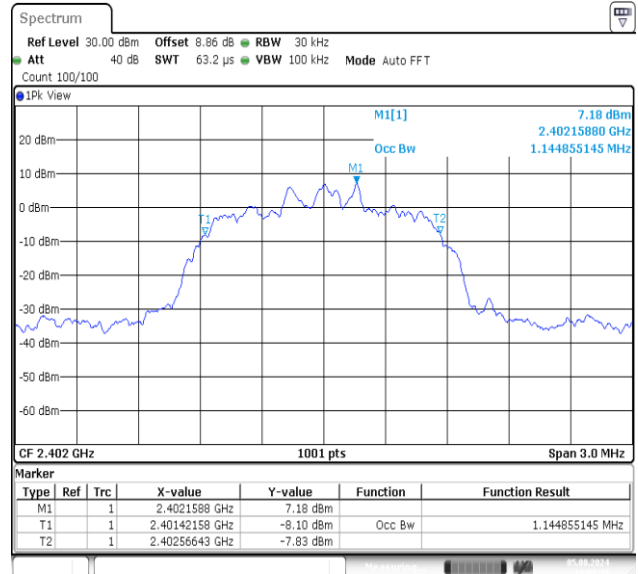
Date: 5.AUG.2024 17:59:47

DH5-Ant1-2402

DH5-Ant1-2441



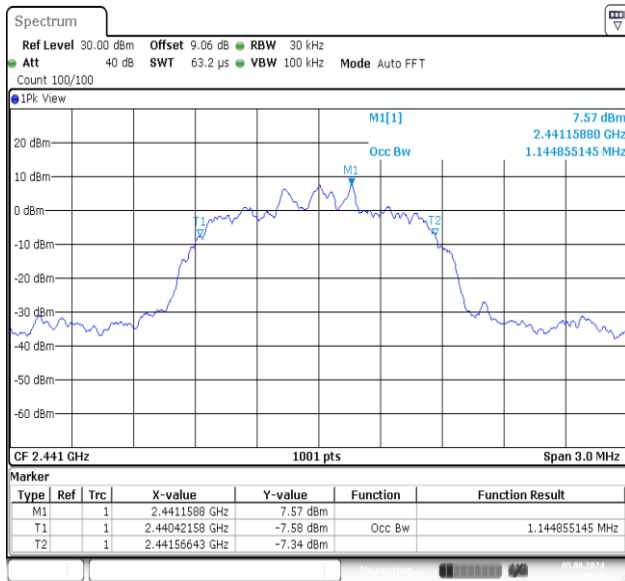
Date: 5.AUG.2024 18:02:38



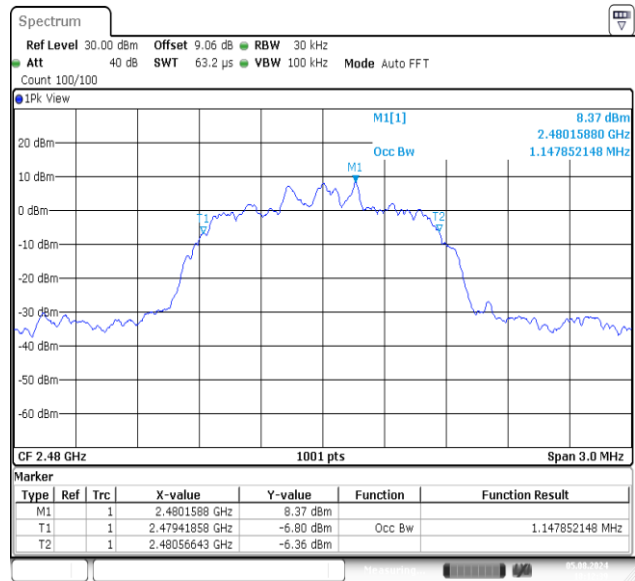
Date: 5.AUG.2024 18:07:35

DH5-Ant1-2480

2DH5-Ant1-2402



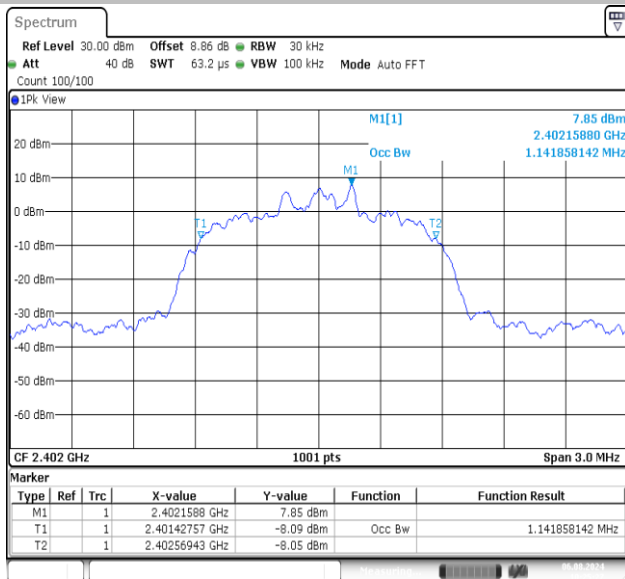
Date: 5.AUG.2024 18:10:12



Date: 5.AUG.2024 18:12:39

2DH5-Ant1-2441

2DH5-Ant1-2480



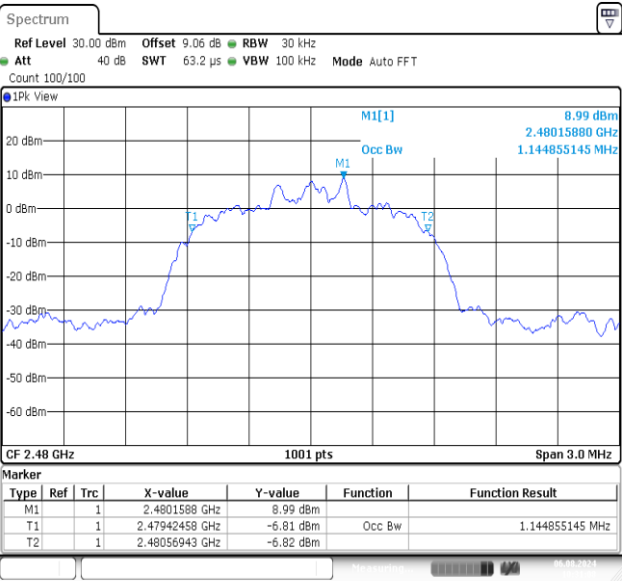
Date: 6.AUG.2024 10:25:27



Date: 6.AUG.2024 10:28:28

3DH5-Ant1-2402

3DH5-Ant1-2441



Date: 6.AUG.2024 10:31:08

3DH5-Ant1-2480



Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Peak Power [dBm]	Peak Powe Limit [dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
DH5	Ant1	2402	12.65	≤20.97	3.58	16.23	≤36	PASS
DH5	Ant1	2441	11.17	≤20.97	3.58	14.75	≤36	PASS
DH5	Ant1	2480	13.75	≤20.97	3.58	17.33	≤36	PASS
2DH5	Ant1	2402	10.40	≤20.97	3.58	13.98	≤36	PASS
2DH5	Ant1	2441	10.76	≤20.97	3.58	14.34	≤36	PASS
2DH5	Ant1	2480	11.59	≤20.97	3.58	15.17	≤36	PASS
3DH5	Ant1	2402	10.77	≤20.97	3.58	14.35	≤36	PASS
3DH5	Ant1	2441	11.02	≤20.97	3.58	14.60	≤36	PASS
3DH5	Ant1	2480	11.79	≤20.97	3.58	15.37	≤36	PASS



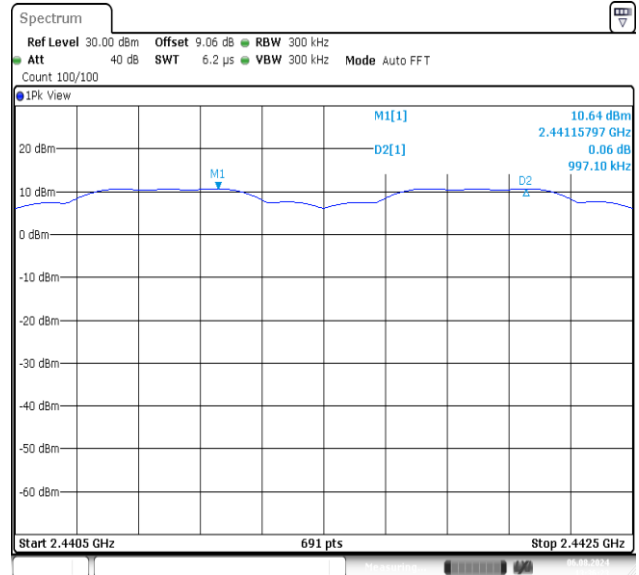
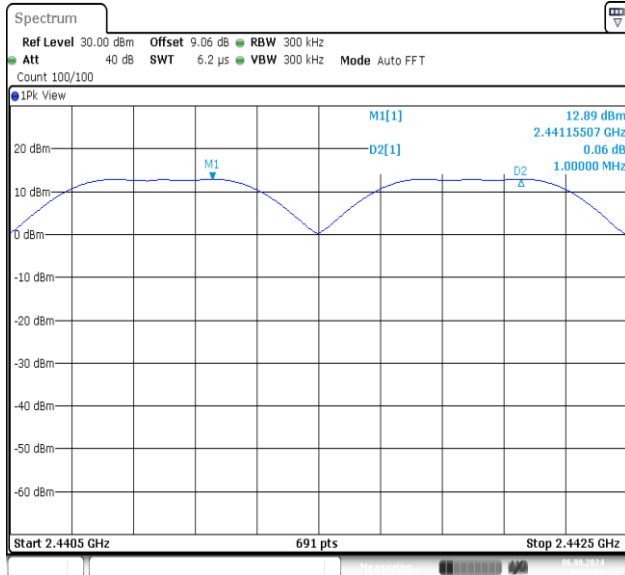
Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1	≥0.940	PASS
2DH5	Ant1	Hop	0.997	≥0.853	PASS
3DH5	Ant1	Hop	1	≥0.840	PASS

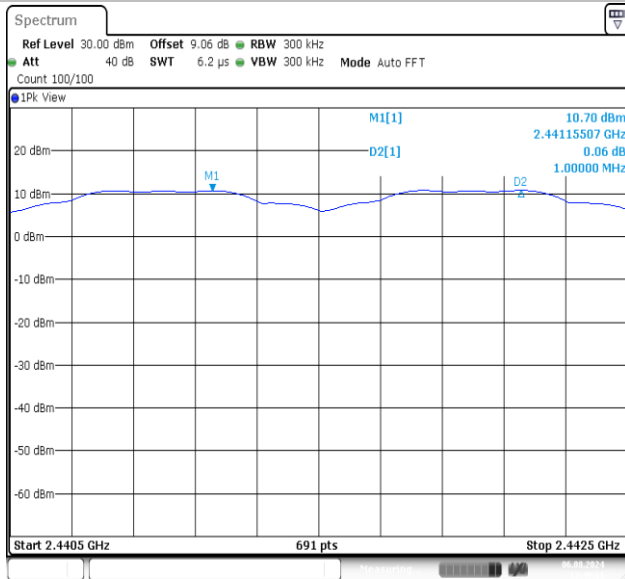


Test Graphs



DH5-Ant1-Hop-PASS

2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS



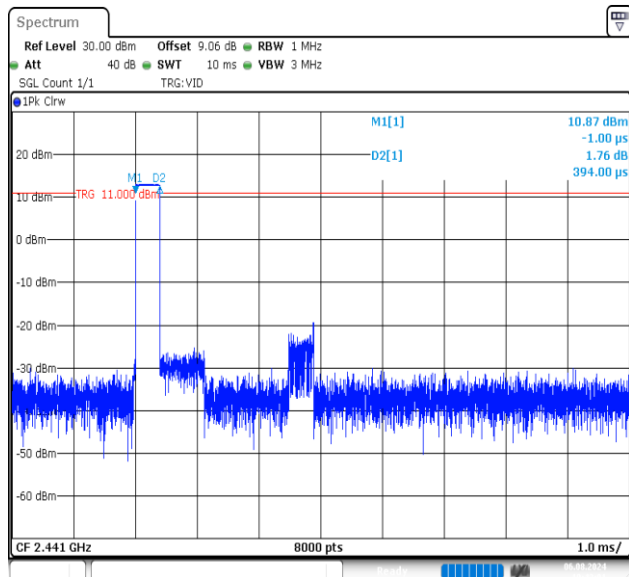
Appendix E: Time of occupancy

Test Result

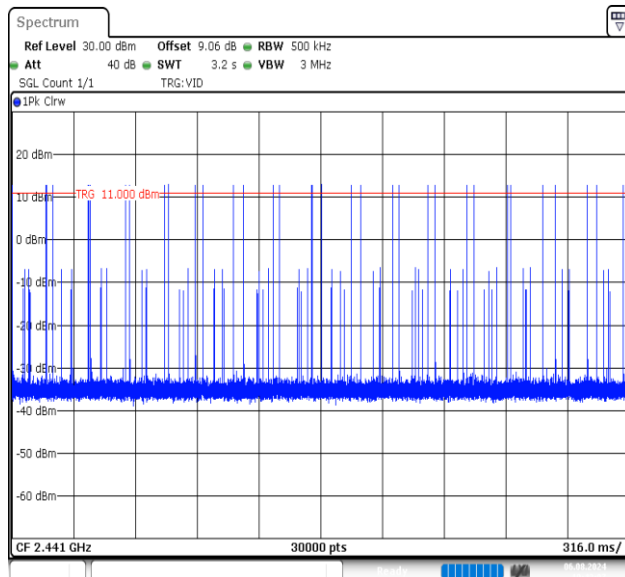
Test Mode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.394	320	0.126	≤0.4	PASS
DH3	Ant1	Hop	1.643	140	0.23	≤0.4	PASS
DH5	Ant1	Hop	2.883	120	0.346	≤0.4	PASS
2DH1	Ant1	Hop	0.385	320	0.123	≤0.4	PASS
2DH3	Ant1	Hop	1.630	180	0.293	≤0.4	PASS
2DH5	Ant1	Hop	2.870	80	0.23	≤0.4	PASS
3DH1	Ant1	Hop	0.389	320	0.124	≤0.4	PASS
3DH3	Ant1	Hop	1.625	140	0.228	≤0.4	PASS
3DH5	Ant1	Hop	2.869	110	0.316	≤0.4	PASS



Test Graphs



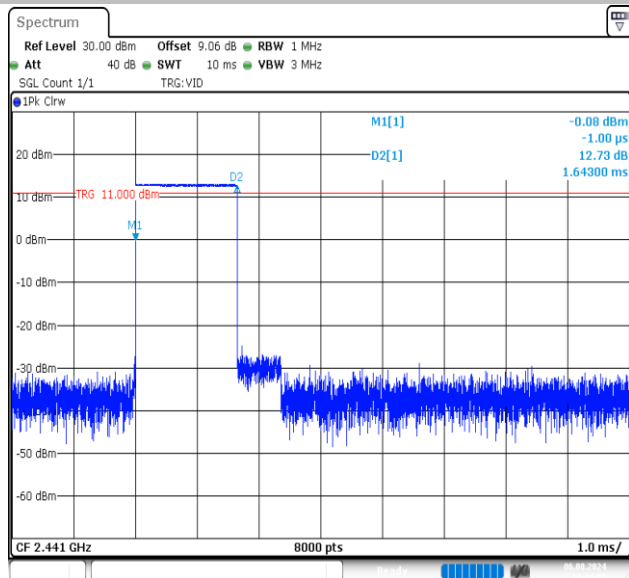
Date: 6.AUG.2024 10:43:01



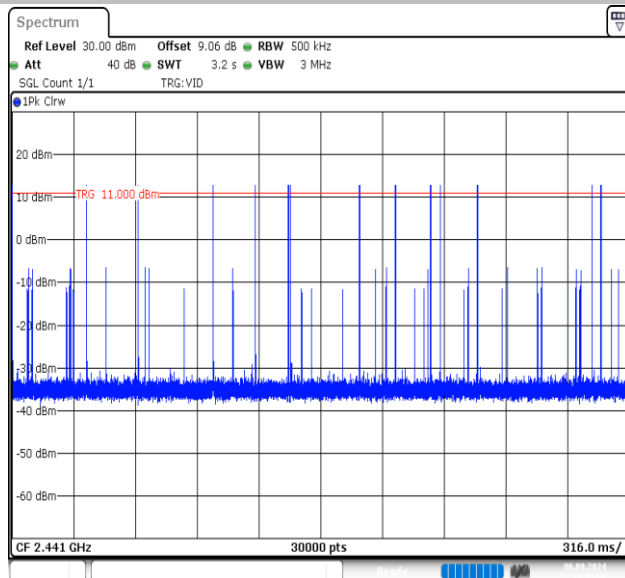
Date: 6.AUG.2024 10:43:07

DH1-Ant1-Hop-PASS

DH1-Ant1-Hop-PASS



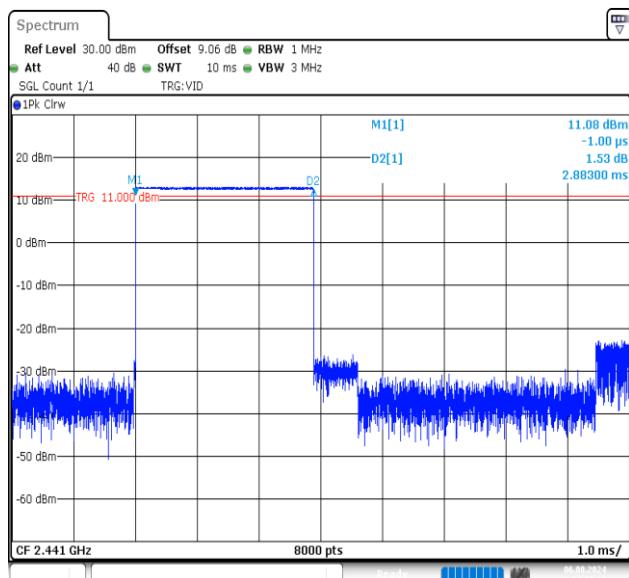
Date: 6.AUG.2024 10:44:01



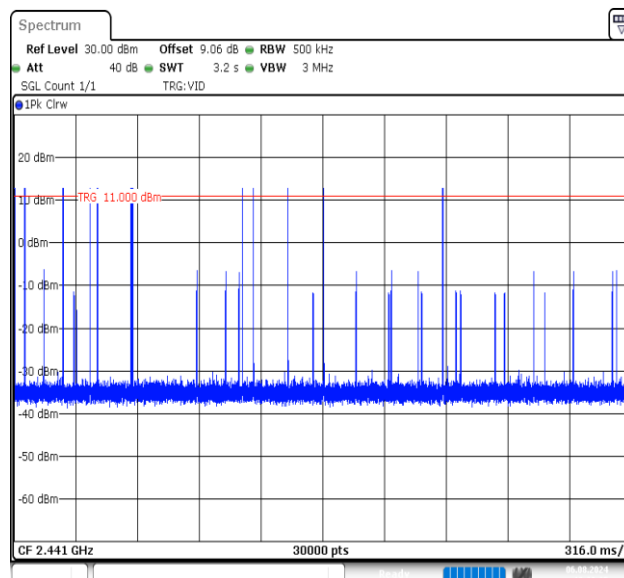
Date: 6.AUG.2024 10:44:06

DH3-Ant1-Hop-PASS

DH3-Ant1-Hop-PASS



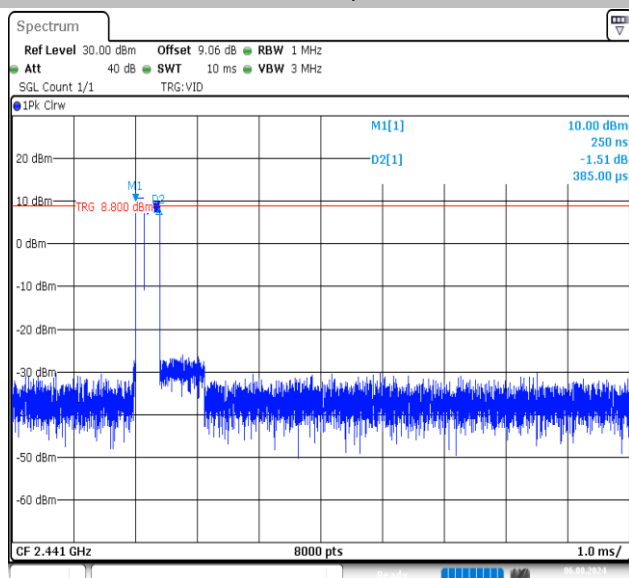
Date: 6.AUG.2024 10:38:30



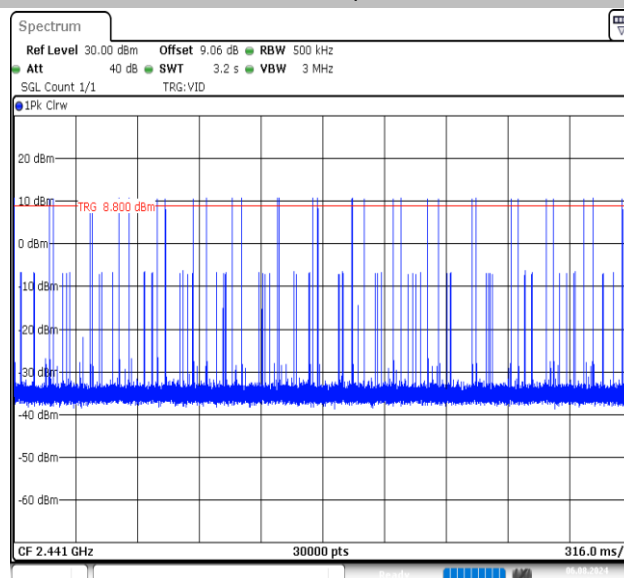
Date: 6.AUG.2024 10:38:35

DH5-Ant1-Hop-PASS

DH5-Ant1-Hop-PASS



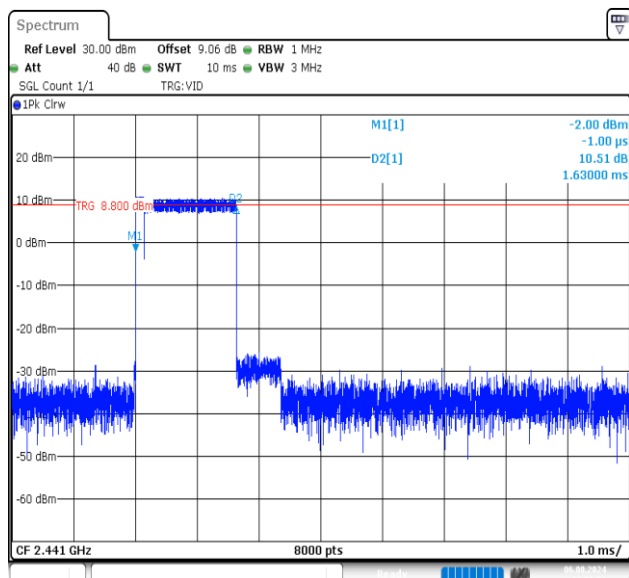
Date: 6.AUG.2024 10:49:59



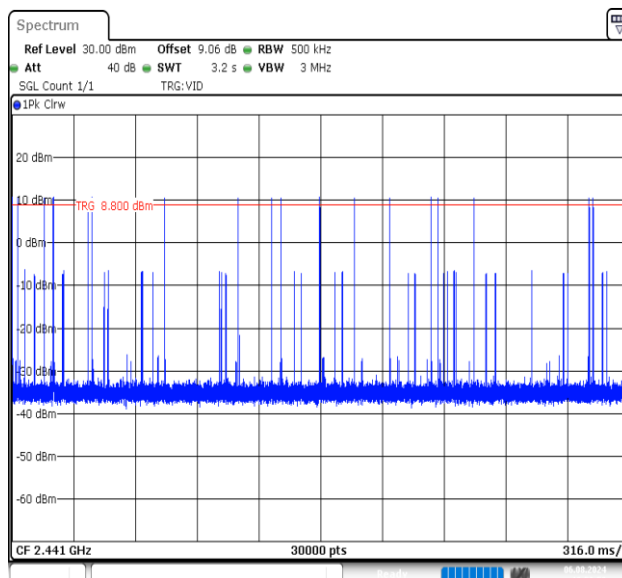
Date: 6.AUG.2024 10:50:04

2DH1-Ant1-Hop-PASS

2DH1-Ant1-Hop-PASS

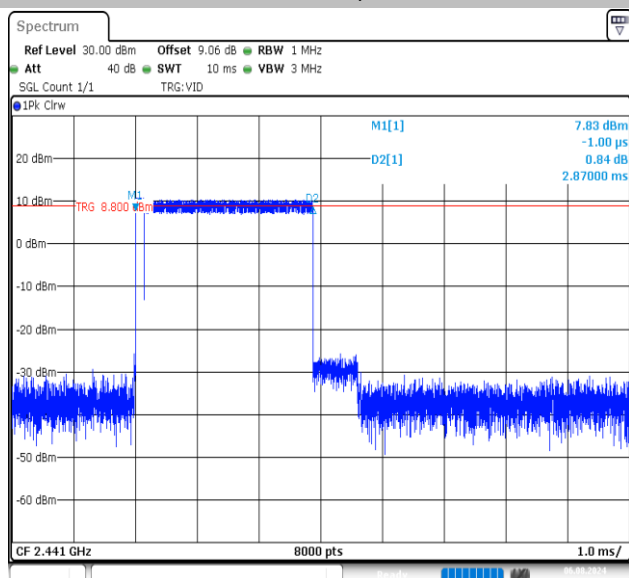


Date: 6.AUG.2024 10:50:52

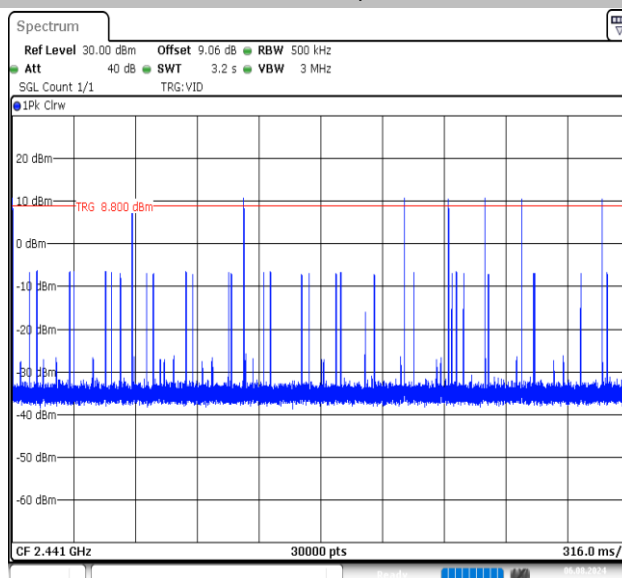


Date: 6.AUG.2024 10:50:58

2DH3-Ant1-Hop-PASS



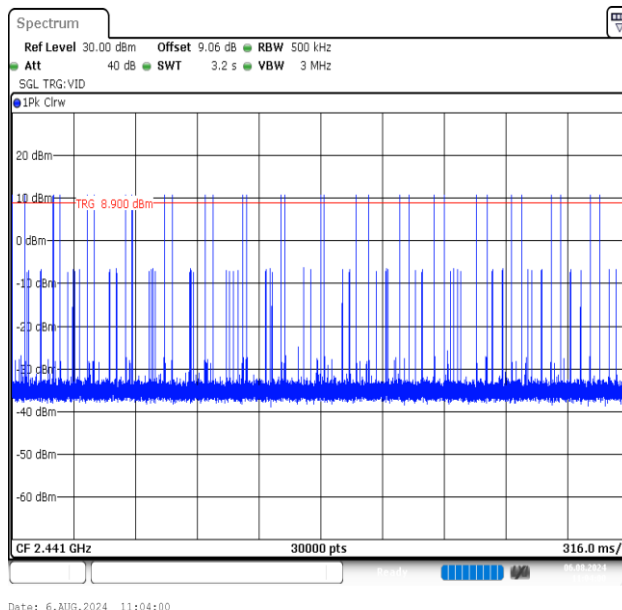
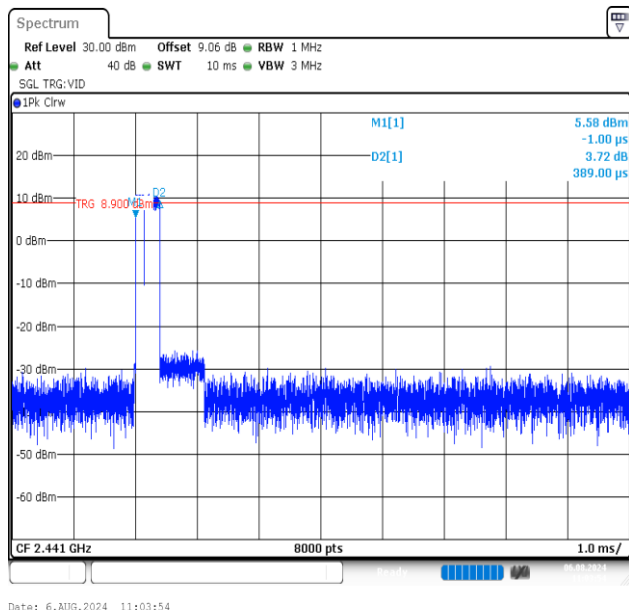
Date: 6.AUG.2024 10:48:02



Date: 6.AUG.2024 10:48:08

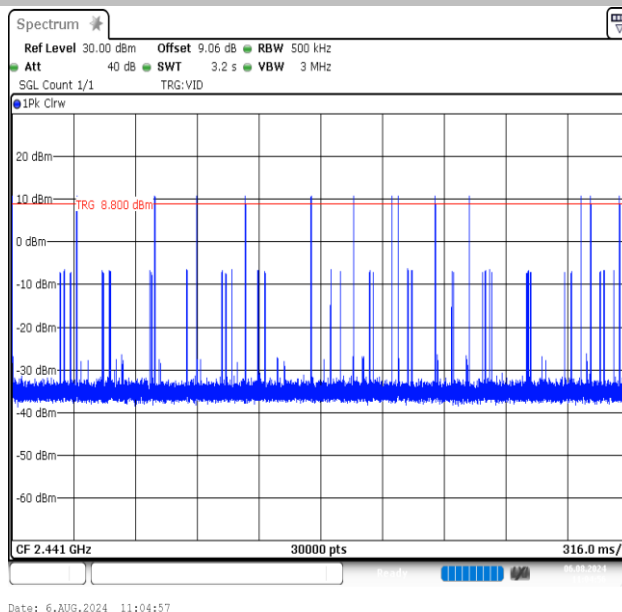
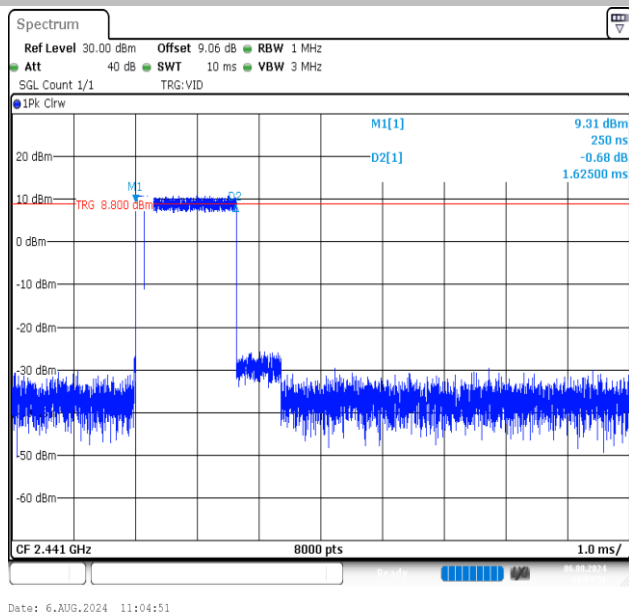
2DH5-Ant1-Hop-PASS

2DH5-Ant1-Hop-PASS



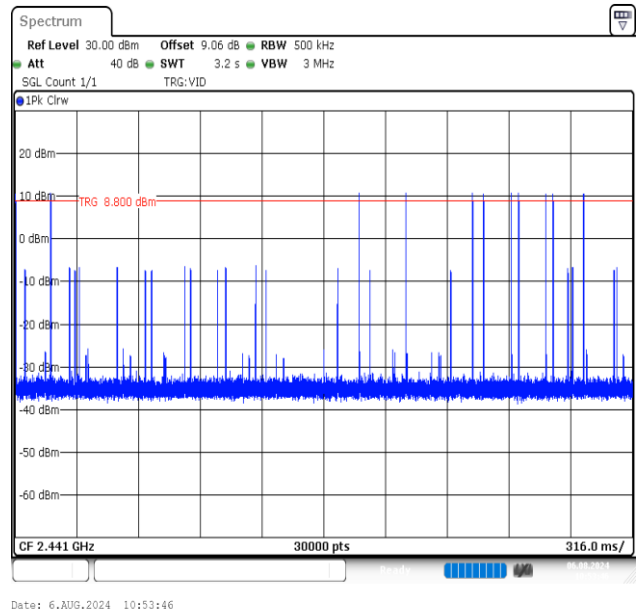
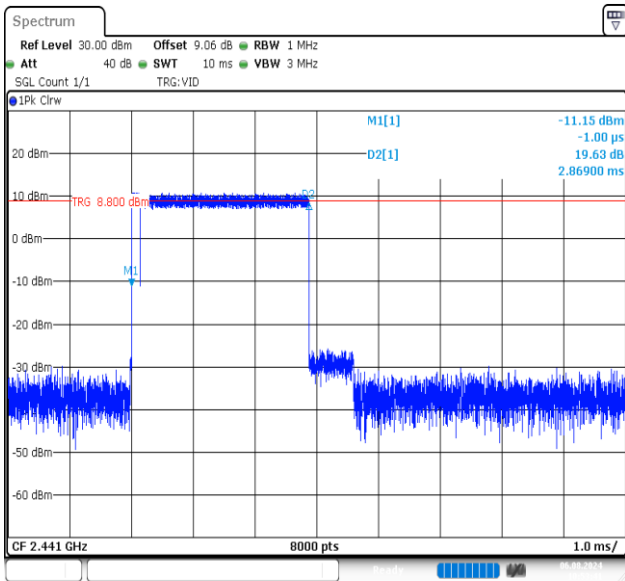
3DH1-Ant1-Hop-PASS

3DH1-Ant1-Hop-PASS



3DH3-Ant1-Hop-PASS

3DH3-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS

3DH5-Ant1-Hop-PASS



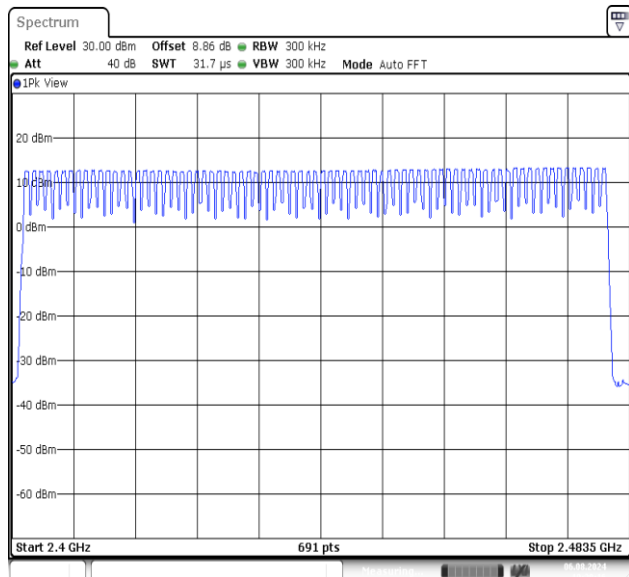
Appendix F: Number of hopping channels

Test Result

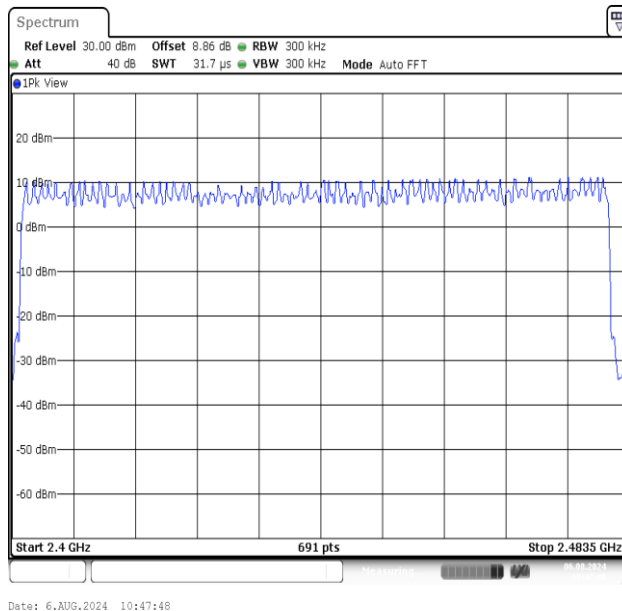
Test Mode	Antenna	Freq(MHz)	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS



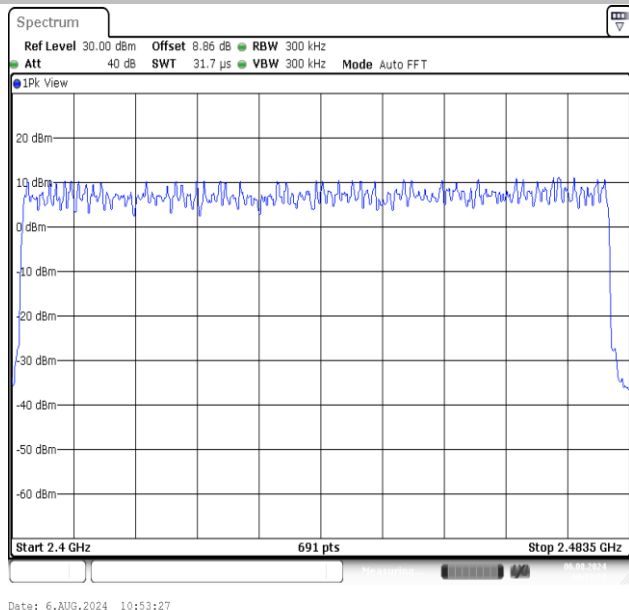
Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS



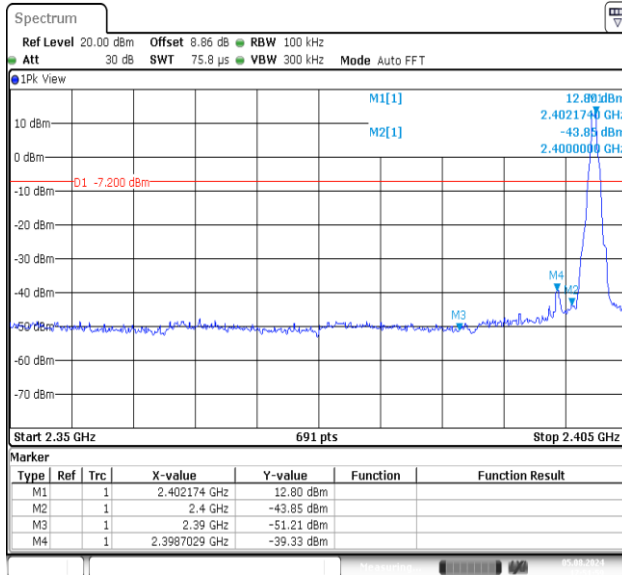
Appendix G: Band edge measurements

Test Result

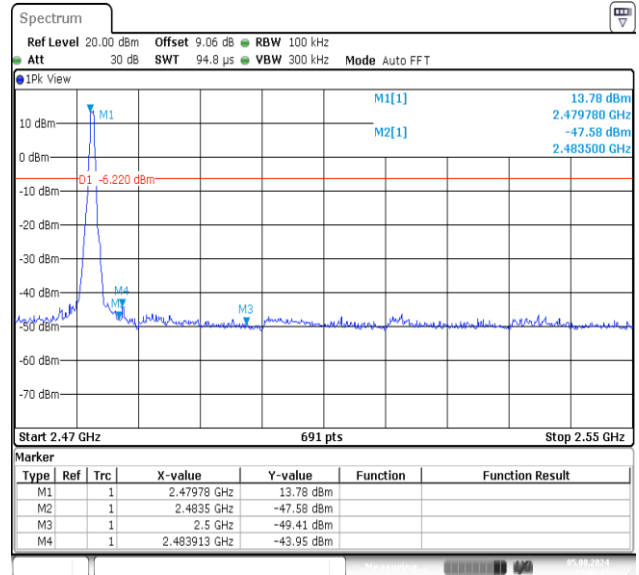
Test Mode	Antenna	ChName	Freq(MHz)	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	12.80	-39.33	≤-7.2	PASS
DH5	Ant1	High	2480	13.78	-43.95	≤-6.22	PASS
DH5	Ant1	Low	Hop_2402	12.11	-41.51	≤-7.89	PASS
DH5	Ant1	High	Hop_2480	13.77	-46.55	≤-6.23	PASS
2DH5	Ant1	Low	2402	10.29	-37.82	≤-9.71	PASS
2DH5	Ant1	High	2480	11.60	-45.51	≤-8.4	PASS
2DH5	Ant1	Low	Hop_2402	10.27	-40.06	≤-9.73	PASS
2DH5	Ant1	High	Hop_2480	9.05	-46.17	≤-10.95	PASS
3DH5	Ant1	Low	2402	10.31	-35.55	≤-9.69	PASS
3DH5	Ant1	High	2480	11.57	-45.97	≤-8.43	PASS
3DH5	Ant1	Low	Hop_2402	9.36	-37.74	≤-10.64	PASS
3DH5	Ant1	High	Hop_2480	11.53	-46.44	≤-8.47	PASS



Test Graphs

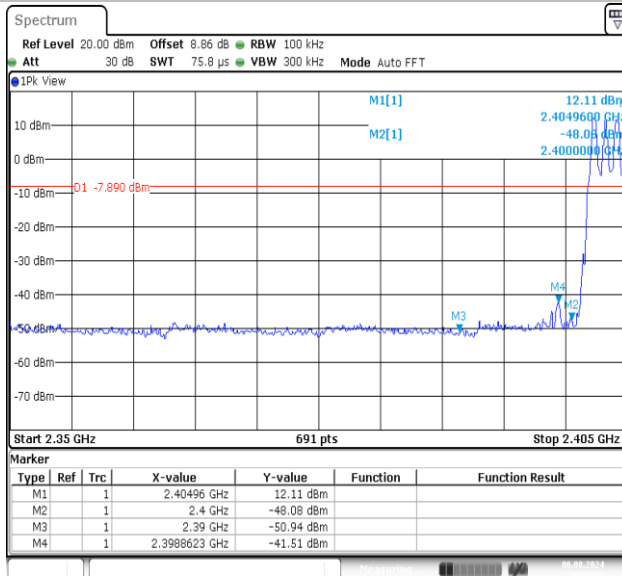


Date: 5.AUG.2024 17:52:00



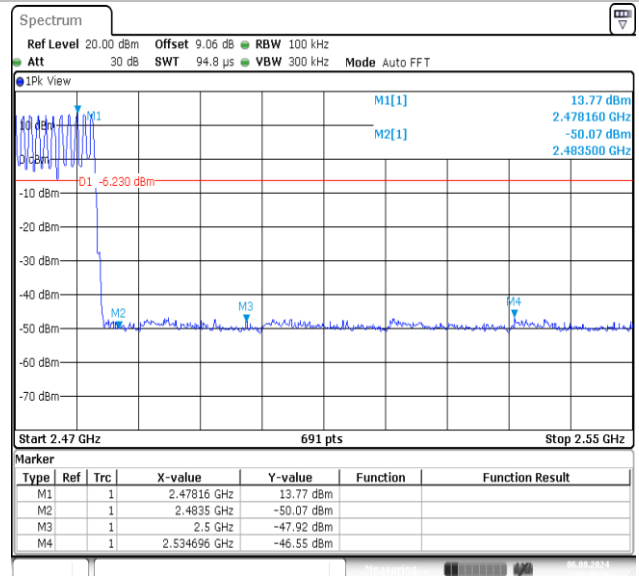
Date: 5.AUG.2024 18:02:47

DH5-Ant1-2402-PASS



Date: 6.AUG.2024 10:36:35

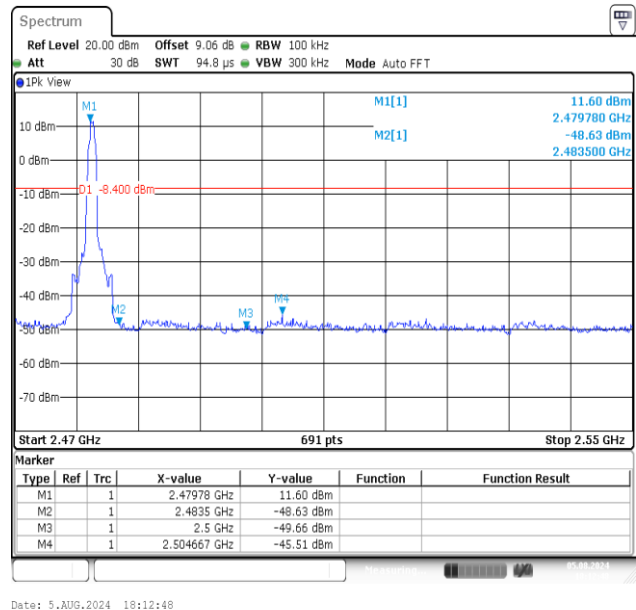
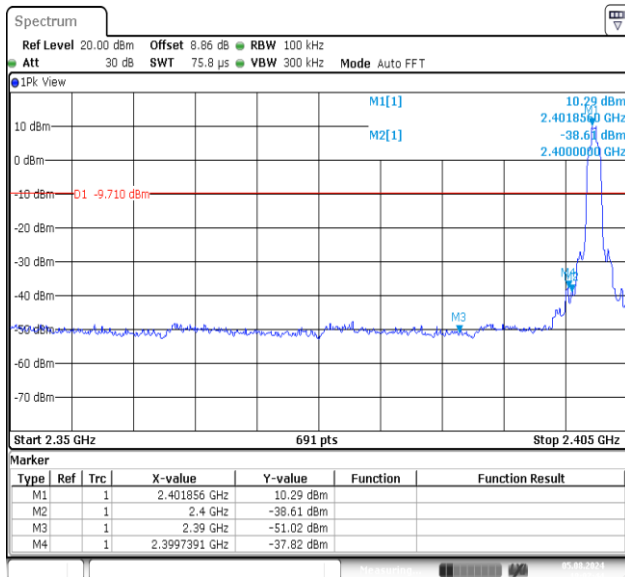
DH5-Ant1-2480-PASS



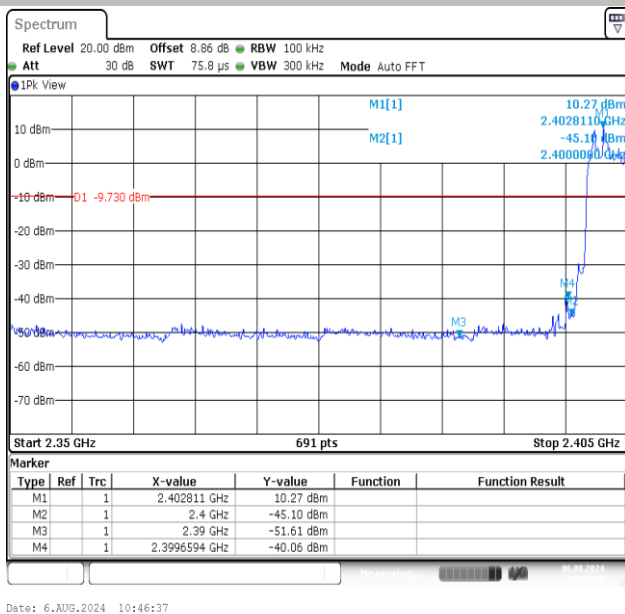
Date: 6.AUG.2024 10:45:49

DH5-Ant1-Hop_2402-PASS

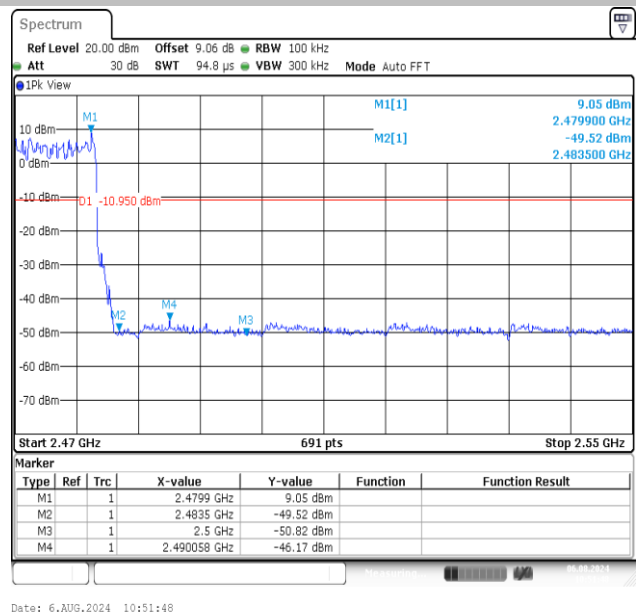
DH5-Ant1-Hop_2480-PASS



2DH5-Ant1-2402-PASS

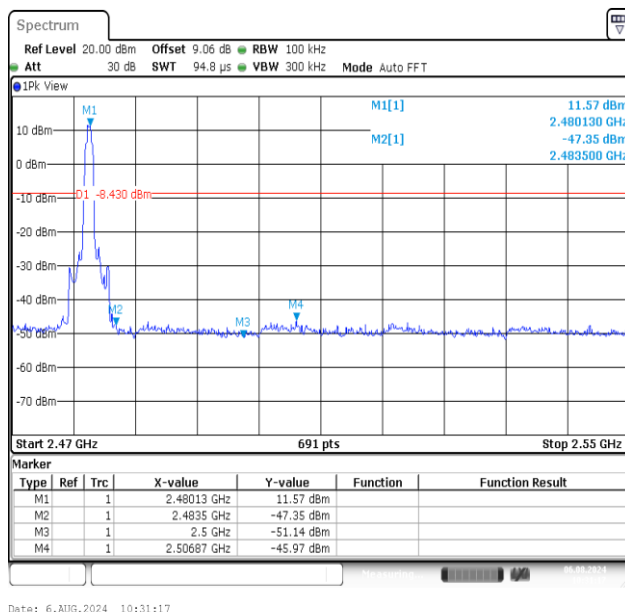
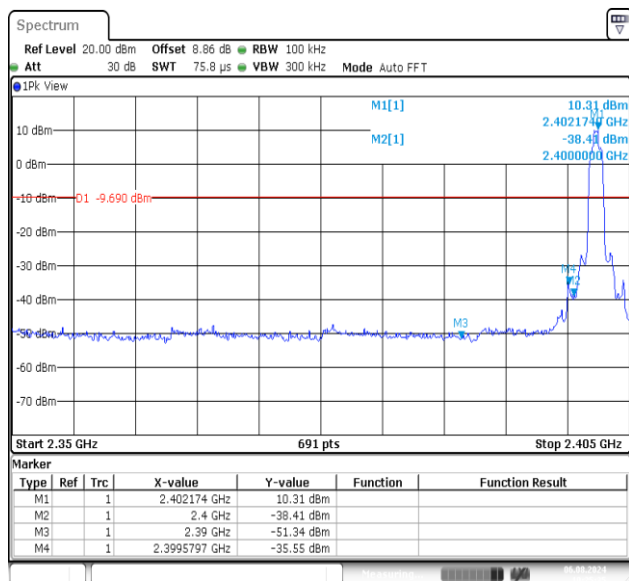


2DH5-Ant1-2480-PASS

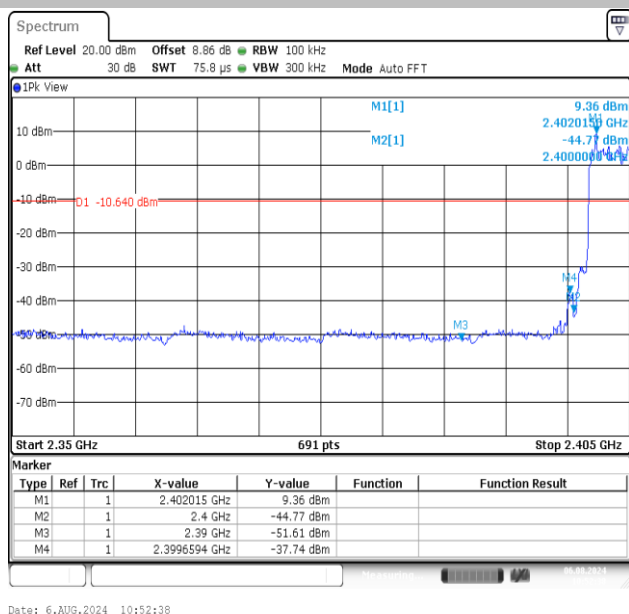


2DH5-Ant1-Hop_2402-PASS

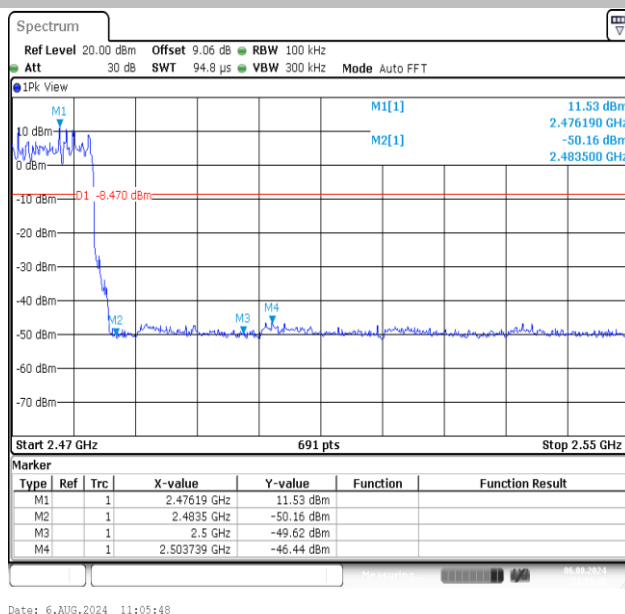
2DH5-Ant1-Hop_2480-PASS



3DH5-Ant1-2402-PASS



3DH5-Ant1-2480-PASS



3DH5-Ant1-Hop_2402-PASS

3DH5-Ant1-Hop_2480-PASS



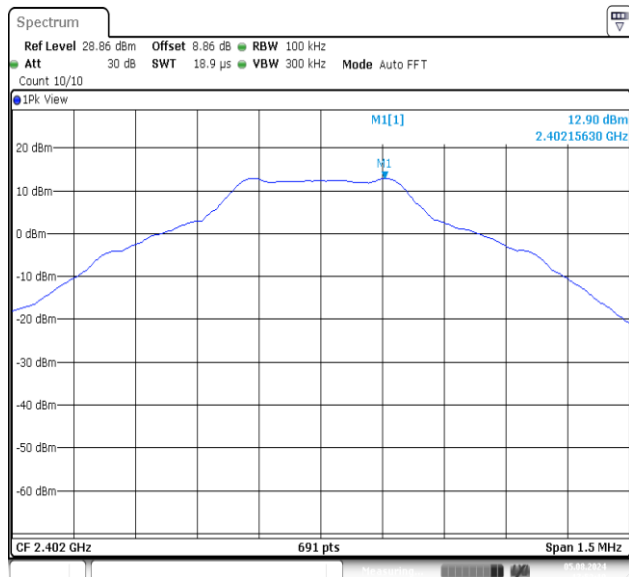
Appendix H: Conducted Spurious Emission

Test Result

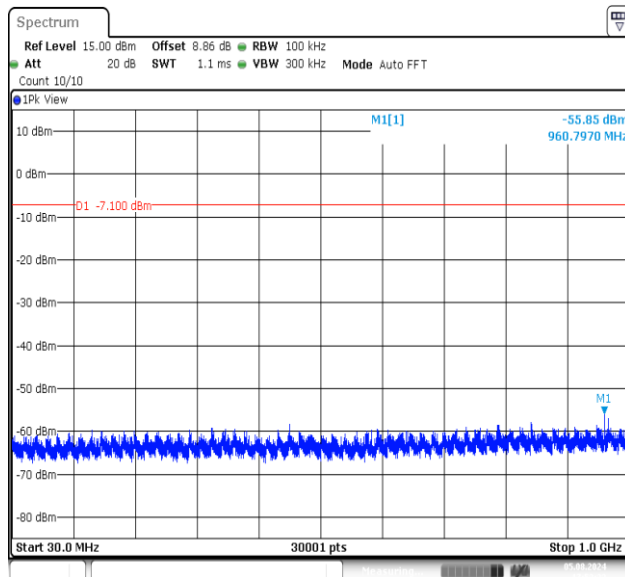
Test Mode	Antenna	Freq(MHz)	Freq Range [MHz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	12.90	12.90	---	PASS
DH5	Ant1	2402	30~1000	12.90	-55.85	≤ -7.1	PASS
DH5	Ant1	2402	1000~26500	12.90	-43.85	≤ -7.1	PASS
DH5	Ant1	2441	0~Reference	13.02	13.02	---	PASS
DH5	Ant1	2441	30~1000	13.02	-55.21	≤ -6.98	PASS
DH5	Ant1	2441	1000~26500	13.02	-44.41	≤ -6.98	PASS
DH5	Ant1	2480	0~Reference	13.73	13.73	---	PASS
DH5	Ant1	2480	30~1000	13.73	-56	≤ -6.27	PASS
DH5	Ant1	2480	1000~26500	13.73	-42.75	≤ -6.27	PASS
2DH5	Ant1	2402	0~Reference	10.36	10.36	---	PASS
2DH5	Ant1	2402	30~1000	10.36	-58.34	≤ -9.64	PASS
2DH5	Ant1	2402	1000~26500	10.36	-47.47	≤ -9.64	PASS
2DH5	Ant1	2441	0~Reference	10.74	10.74	---	PASS
2DH5	Ant1	2441	30~1000	10.74	-57.65	≤ -9.26	PASS
2DH5	Ant1	2441	1000~26500	10.74	-46.59	≤ -9.26	PASS
2DH5	Ant1	2480	0~Reference	11.55	11.55	---	PASS
2DH5	Ant1	2480	30~1000	11.55	-58.19	≤ -8.45	PASS
2DH5	Ant1	2480	1000~26500	11.55	-46.97	≤ -8.45	PASS
3DH5	Ant1	2402	0~Reference	10.43	10.43	---	PASS
3DH5	Ant1	2402	30~1000	10.43	-57.66	≤ -9.57	PASS
3DH5	Ant1	2402	1000~26500	10.43	-46.2	≤ -9.57	PASS
3DH5	Ant1	2441	0~Reference	10.80	10.80	---	PASS
3DH5	Ant1	2441	30~1000	10.80	-57.51	≤ -9.2	PASS
3DH5	Ant1	2441	1000~26500	10.80	-46.32	≤ -9.2	PASS
3DH5	Ant1	2480	0~Reference	11.54	11.54	---	PASS
3DH5	Ant1	2480	30~1000	11.54	-57.99	≤ -8.46	PASS
3DH5	Ant1	2480	1000~26500	11.54	-45.98	≤ -8.46	PASS



Test Graphs

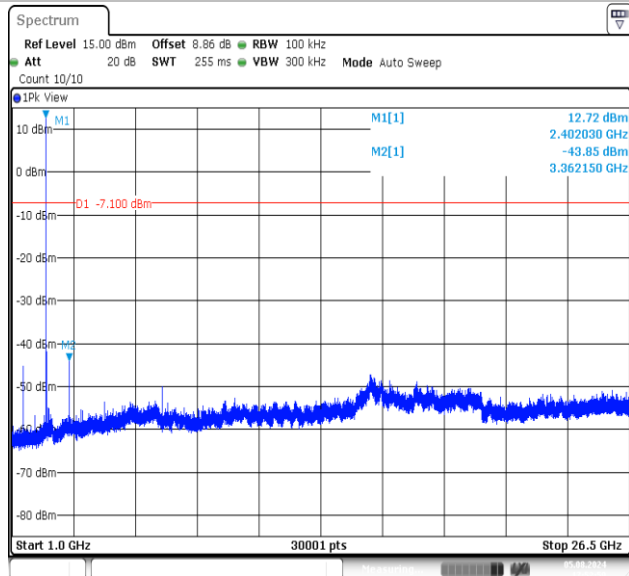


Date: 5.AUG.2024 17:52:10



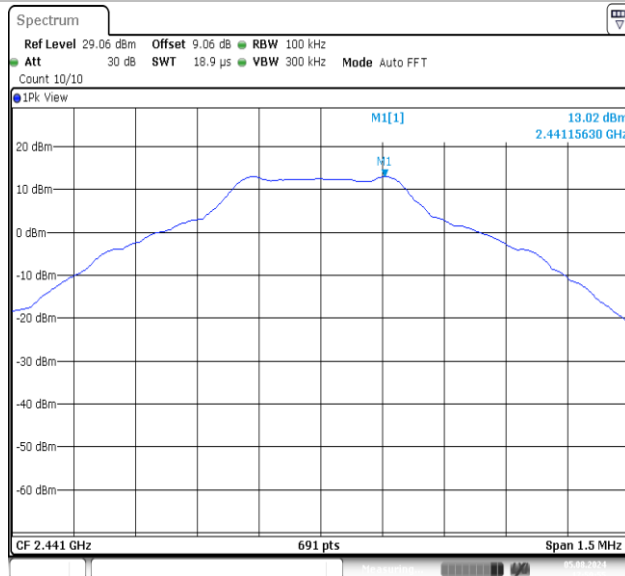
Date: 5.AUG.2024 17:52:22

DH5-Ant1-2402-0~Reference-PASS



Date: 5.AUG.2024 17:52:59

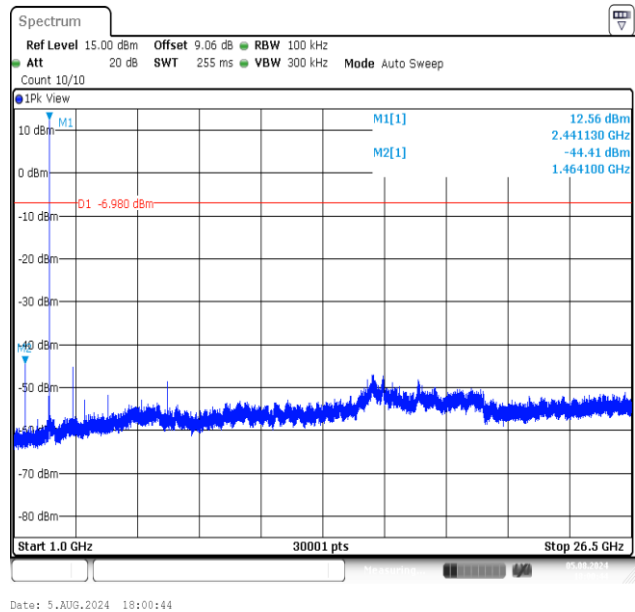
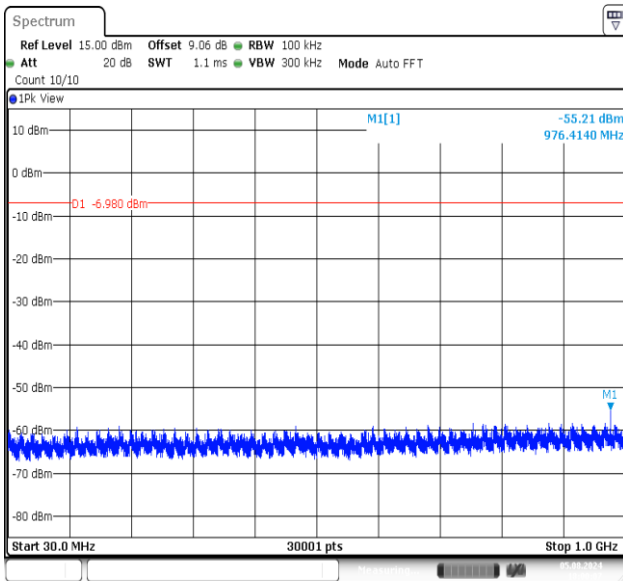
DH5-Ant1-2402-30~1000-PASS



Date: 5.AUG.2024 17:59:55

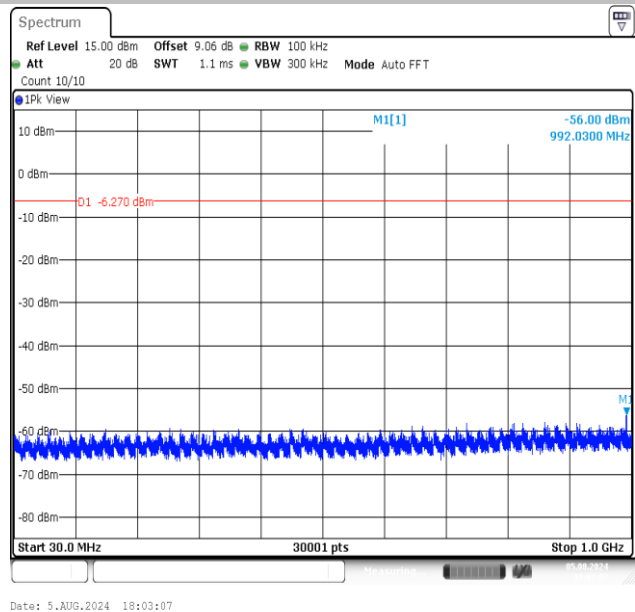
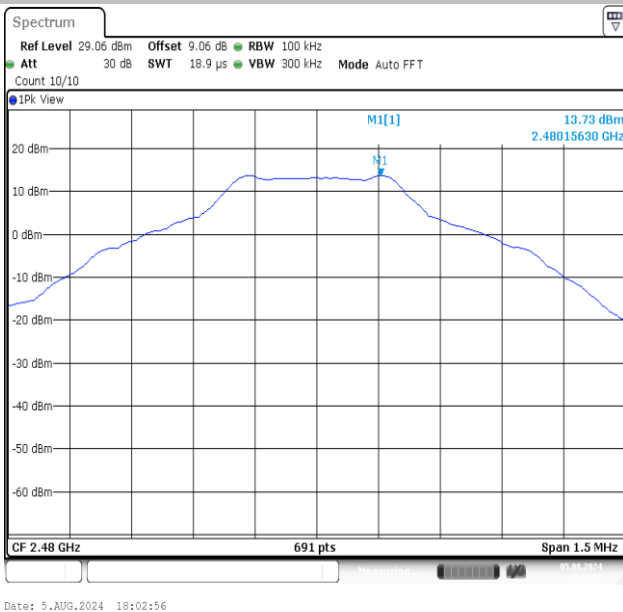
DH5-Ant1-2402-1000~26500-PASS

DH5-Ant1-2441-0~Reference-PASS



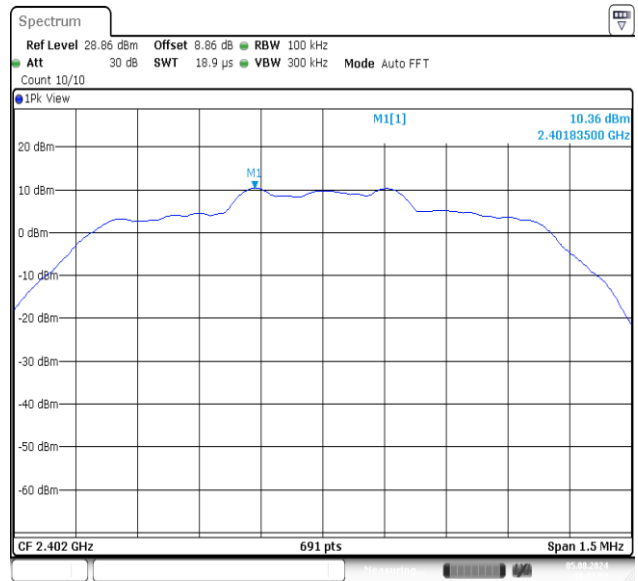
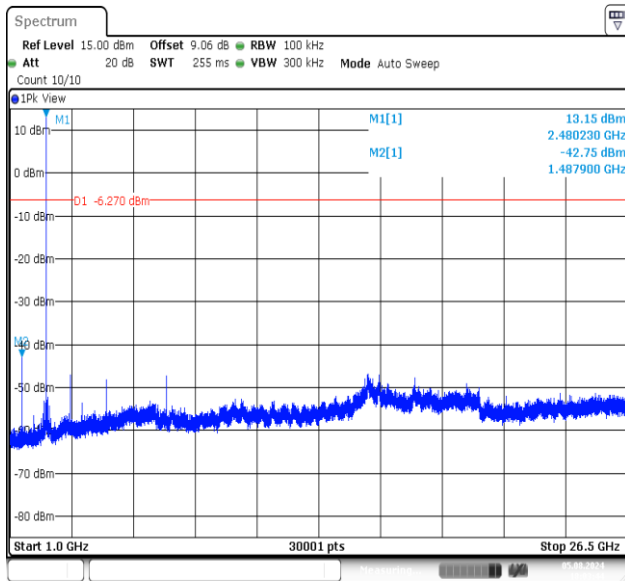
DH5-Ant1-2441-30~1000-PASS

DH5-Ant1-2441-1000~26500-PASS



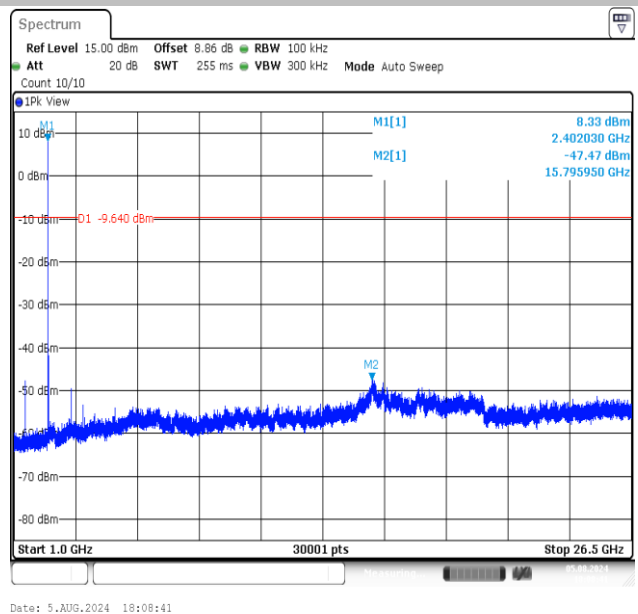
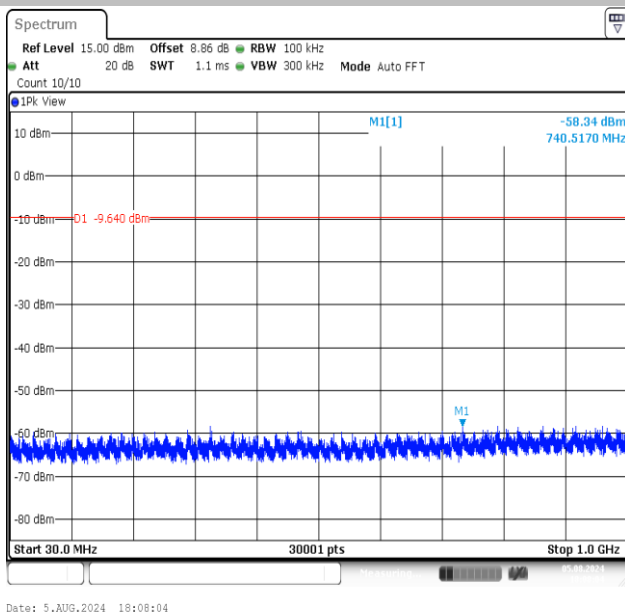
DH5-Ant1-2480-0~Reference-PASS

DH5-Ant1-2480-30~1000-PASS



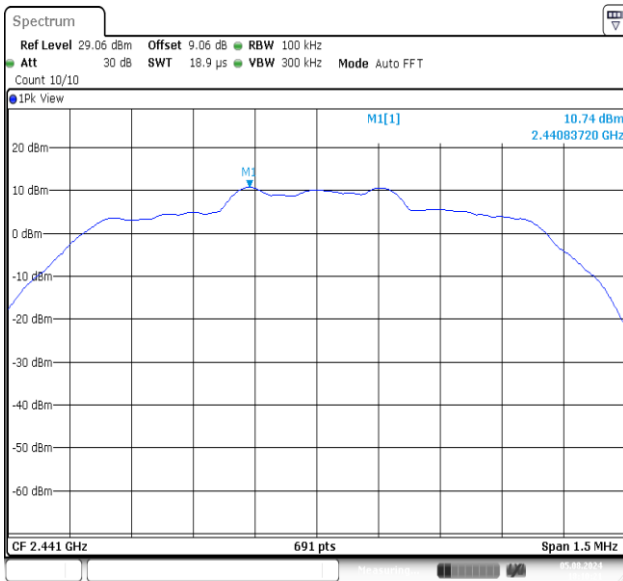
DH5-Ant1-2480-1000~26500-PASS

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

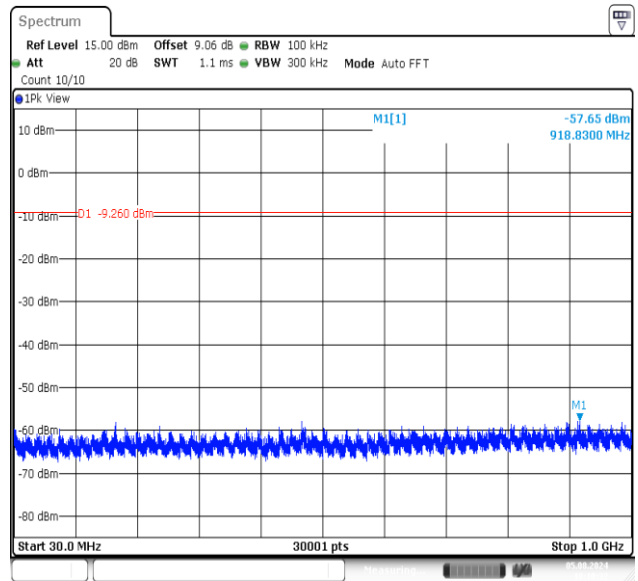


2DH5-Ant1-2402-30~1000-PASS

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



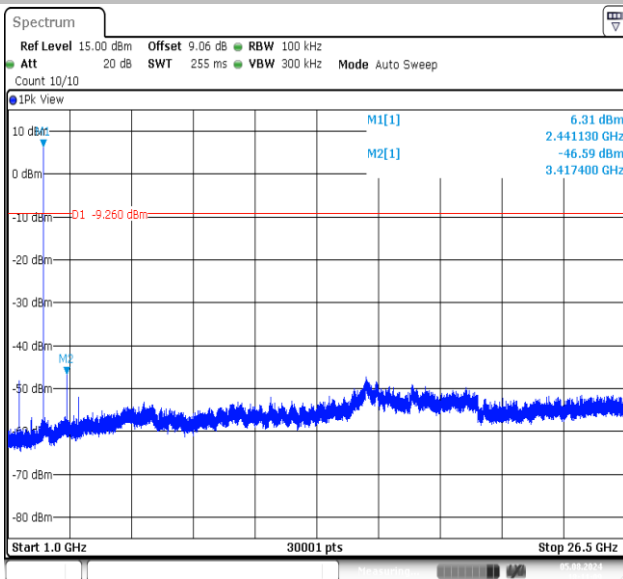
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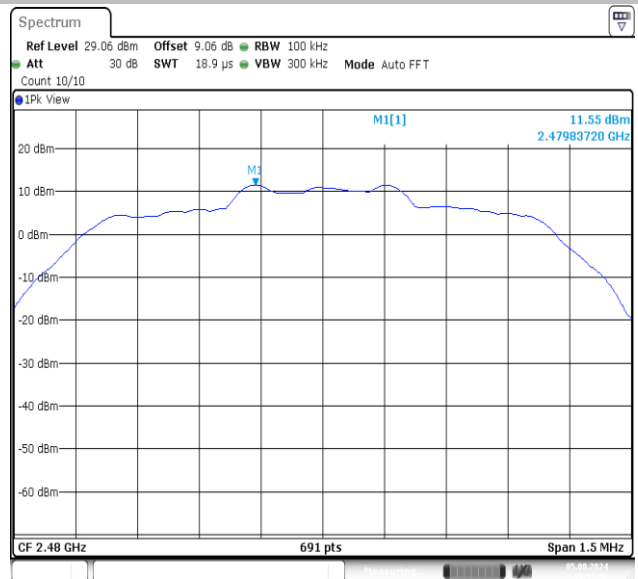
Date: 5.AUG.2024 18:10:32

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

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



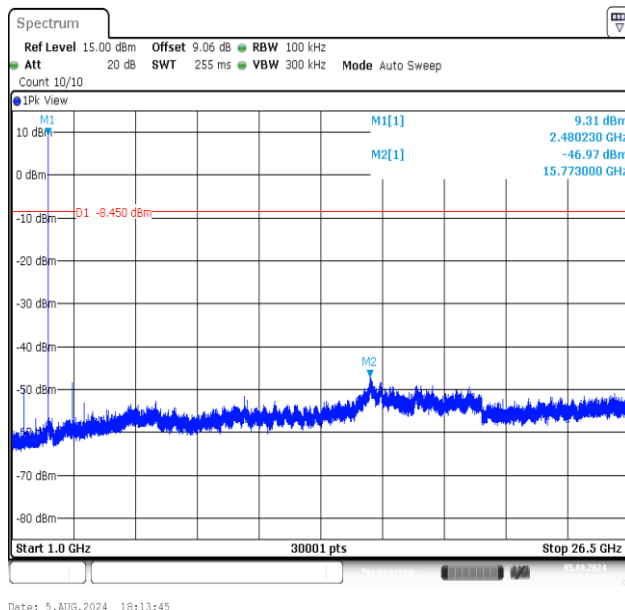
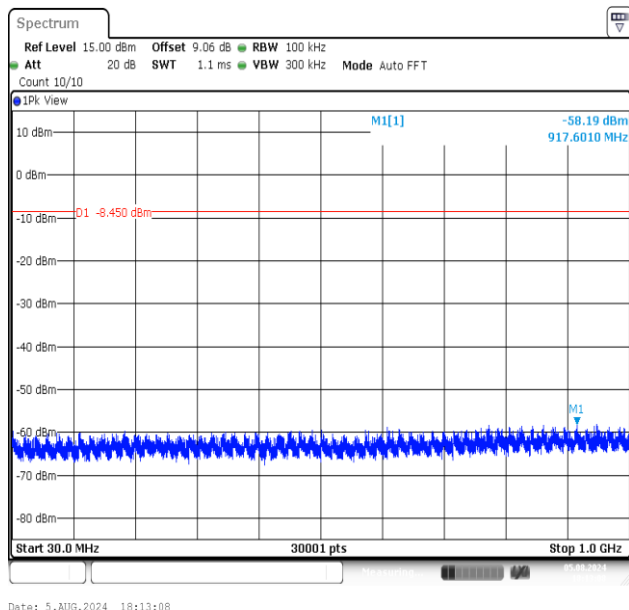
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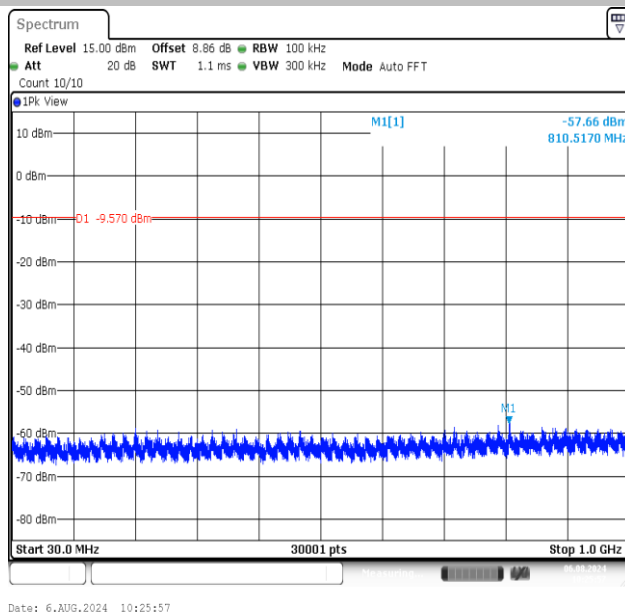
2DH5-Ant1-2441-1000~26500-PASS

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



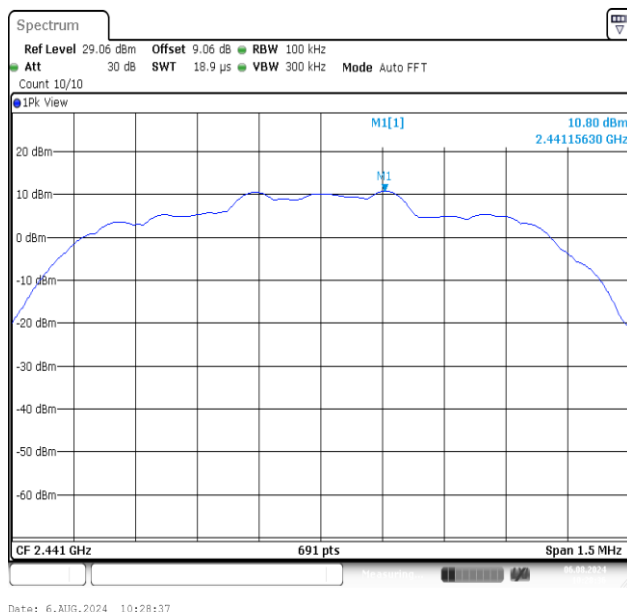
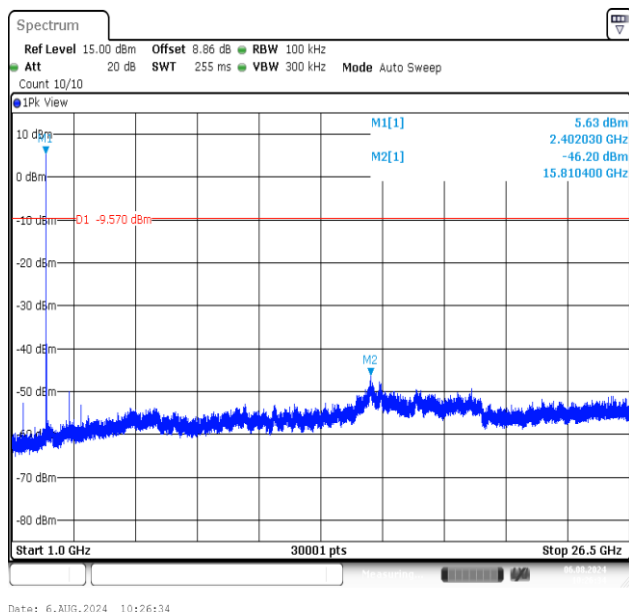
2DH5-Ant1-2480-30~1000-PASS

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



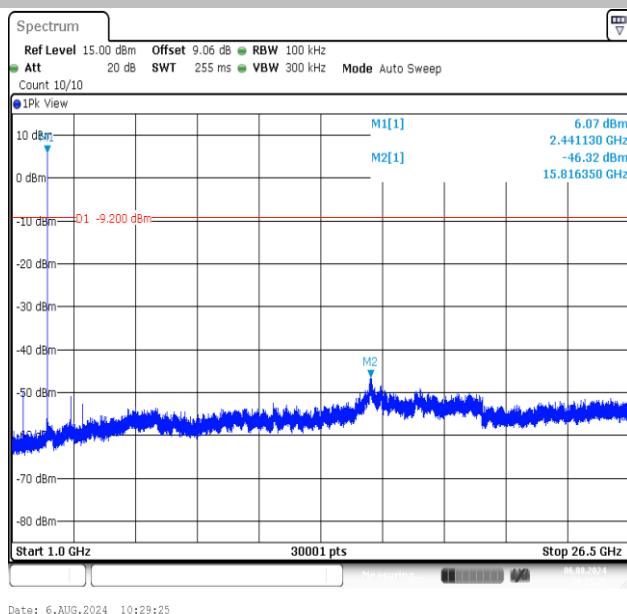
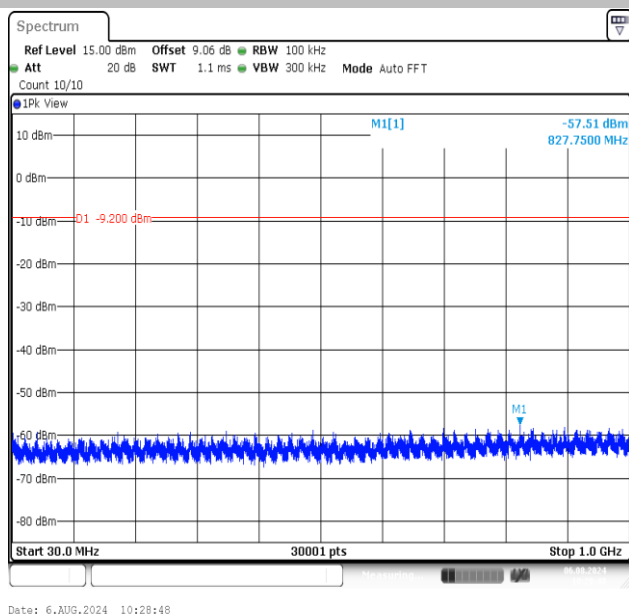
3DH5-Ant1-2402-0~Reference-PASS

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



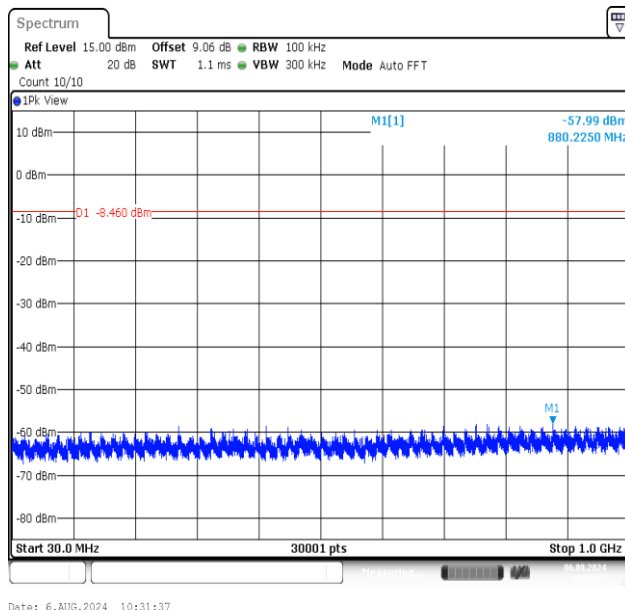
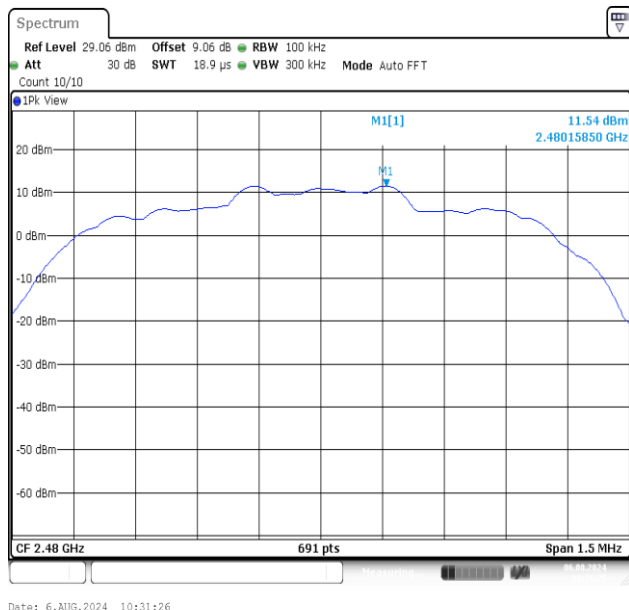
3DH5-Ant1-2402-1000~26500-PASS

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



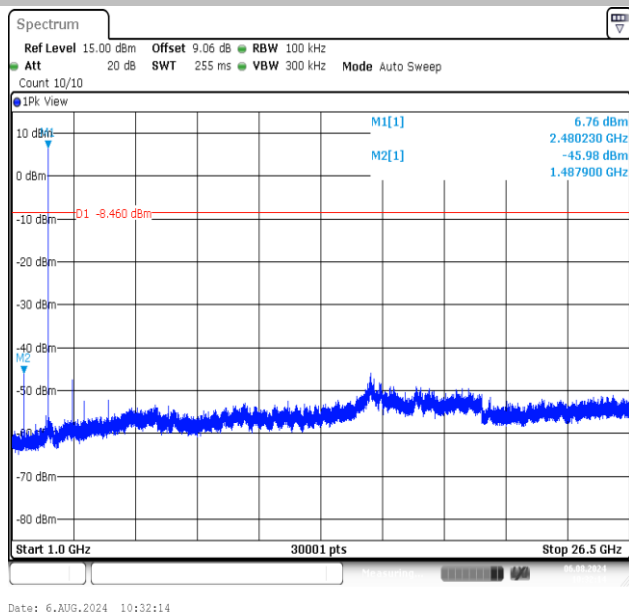
3DH5-Ant1-2441-30~1000-PASS

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



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

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



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



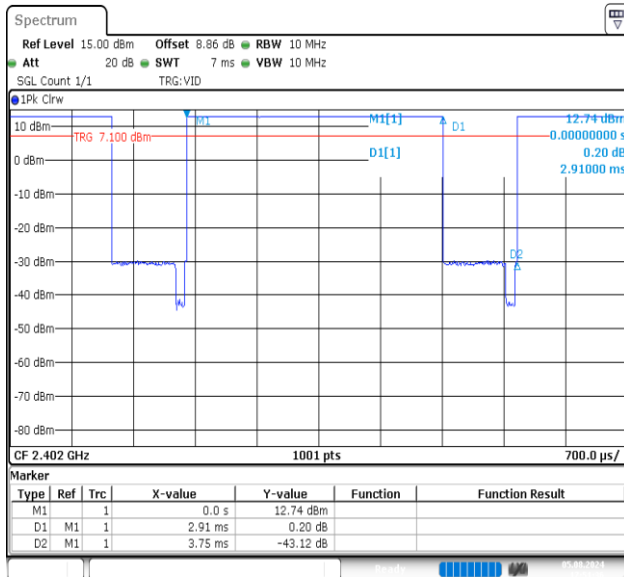
Appendix I: Duty Cycle

Test Result

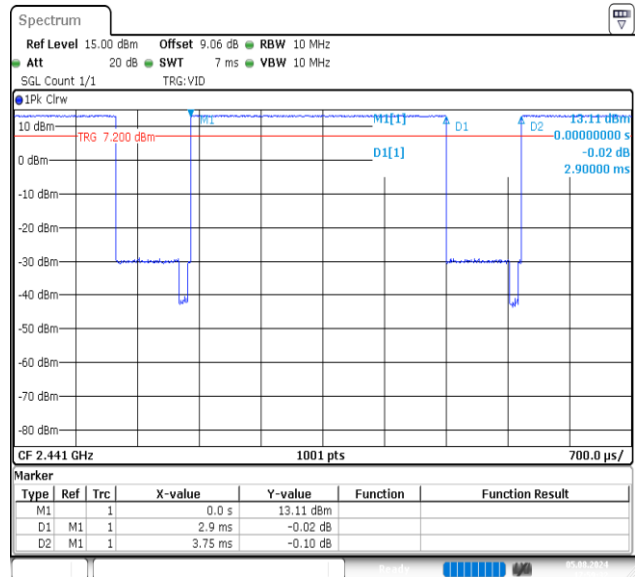
Test Mode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	DC Factor (dB)
DH5	Ant1	2402	2.91	3.75	77.60	1.10
DH5	Ant1	2441	2.90	3.75	77.33	1.12
DH5	Ant1	2480	2.91	3.75	77.60	1.10
2DH5	Ant1	2402	2.89	3.74	77.27	1.12
2DH5	Ant1	2441	2.89	3.75	77.07	1.13
2DH5	Ant1	2480	2.89	3.75	77.07	1.13
3DH5	Ant1	2402	2.89	3.75	77.07	1.13
3DH5	Ant1	2441	2.89	3.75	77.07	1.13
3DH5	Ant1	2480	2.89	3.75	77.07	1.13



Test Graphs



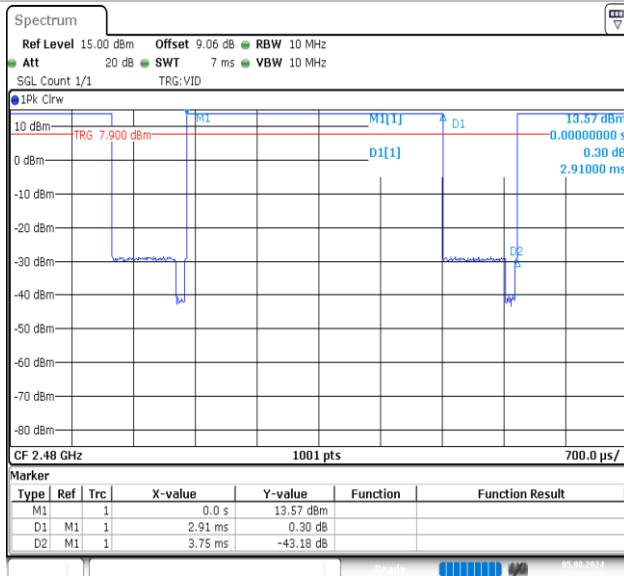
Date: 5.AUG.2024 17:51:36



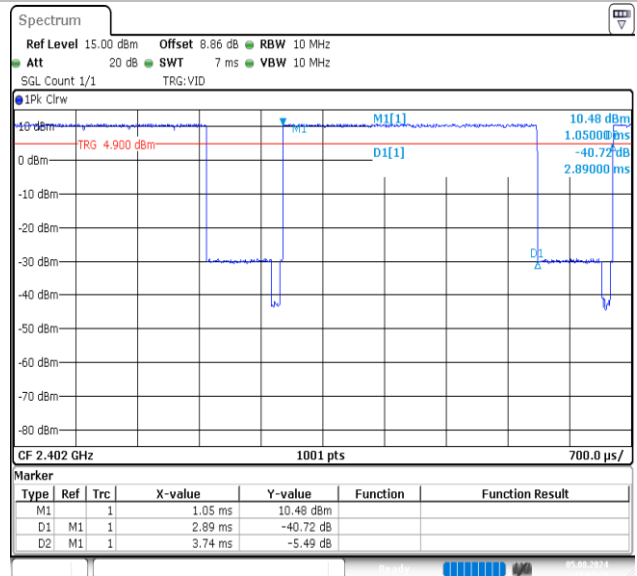
Date: 5.AUG.2024 17:59:32

NTNV-DH5-Ant1-2402

NTNV-DH5-Ant1-2441



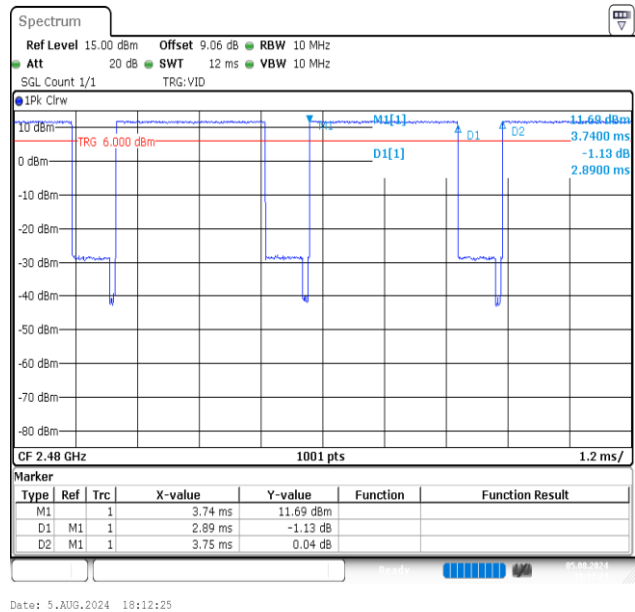
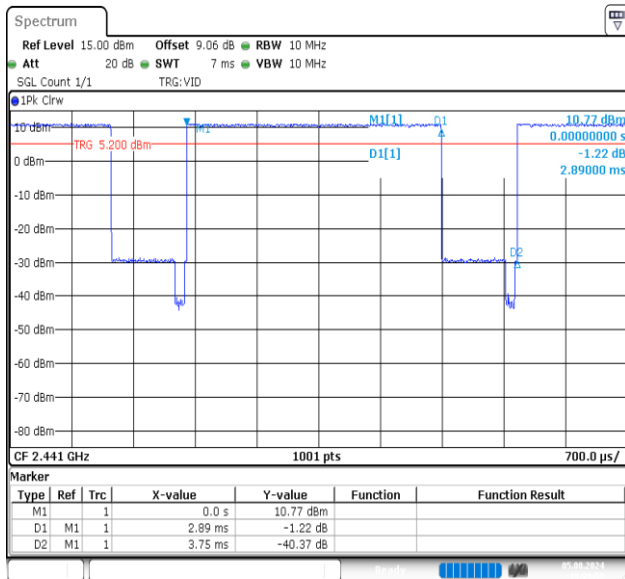
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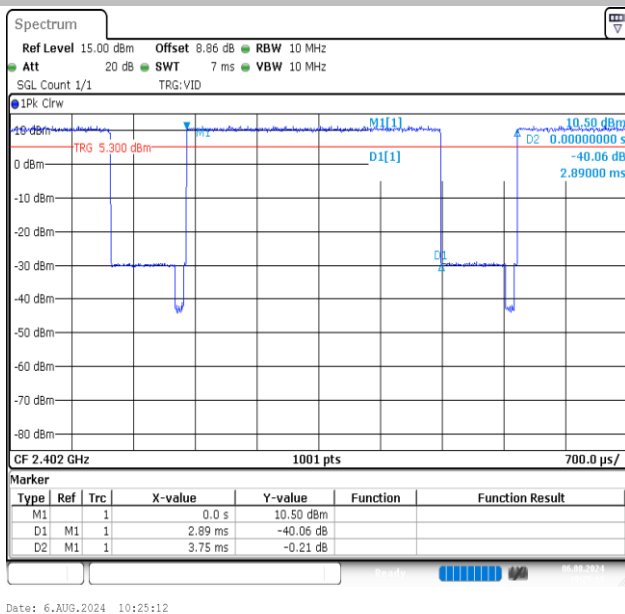
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NTNV-DH5-Ant1-2480

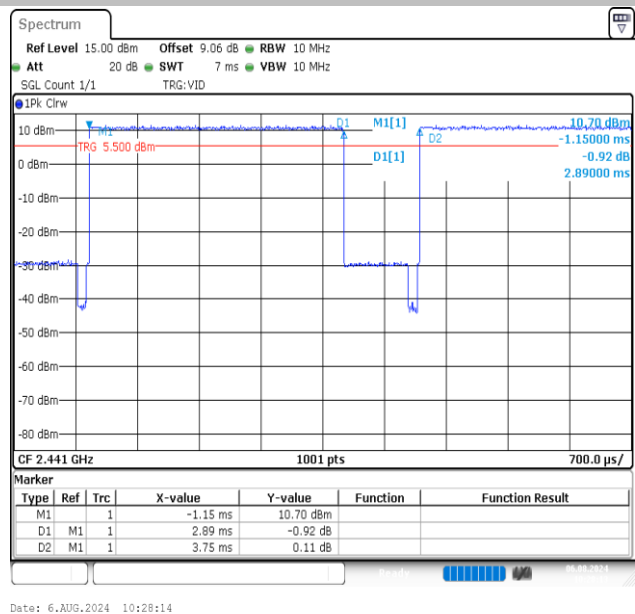
NTNV-2DH5-Ant1-2402



NTNV-2DH5-Ant1-2441



NTNV-2DH5-Ant1-2480



NTNV-3DH5-Ant1-2402

NTNV-3DH5-Ant1-2441



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