



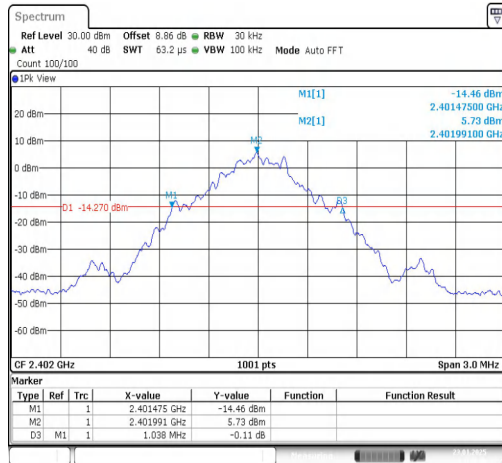
Appendix A: 20dB Emission Bandwidth

Test Result

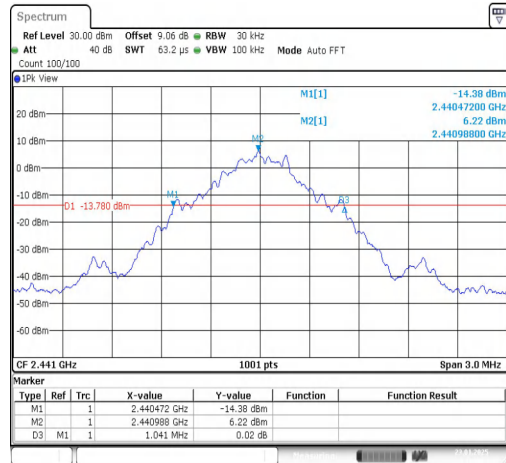
Test Mode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.04	2401.48	2402.51	---	---
DH5	Ant1	2441	1.04	2440.47	2441.51	---	---
DH5	Ant1	2480	1.04	2479.47	2480.51	---	---
2DH5	Ant1	2402	1.18	2401.39	2402.58	---	---
2DH5	Ant1	2441	1.18	2440.39	2441.58	---	---
2DH5	Ant1	2480	1.18	2479.39	2480.57	---	---
3DH5	Ant1	2402	1.19	2401.41	2402.60	---	---
3DH5	Ant1	2441	1.19	2440.41	2441.60	---	---
3DH5	Ant1	2480	1.19	2479.41	2480.60	---	---



Test Graphs



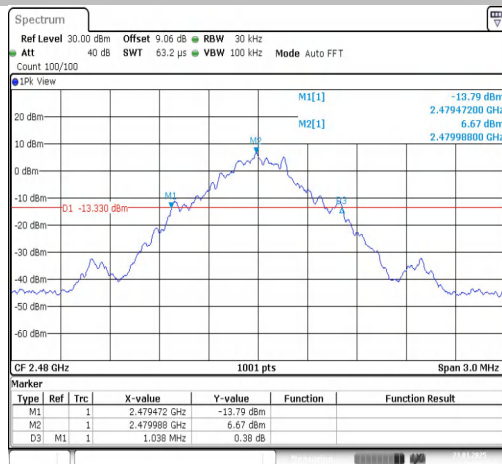
Date: 23.JAN.2025 13:19:37



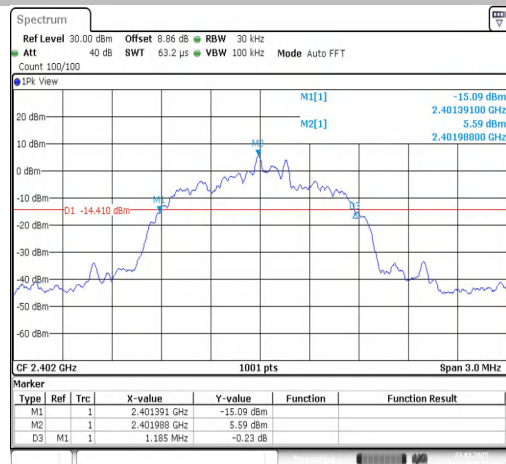
Date: 23.JAN.2025 13:24:02

DH5-Ant1-2402

DH5-Ant1-2441



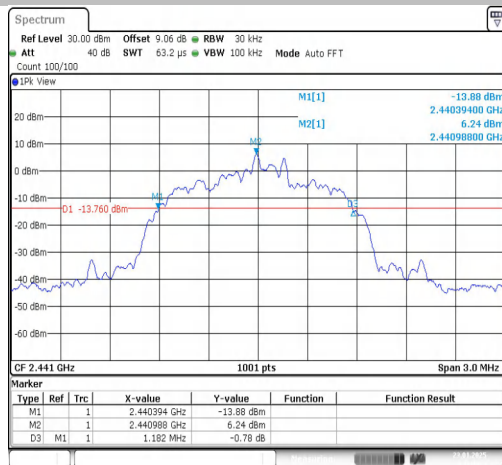
Date: 23.JAN.2025 13:27:09



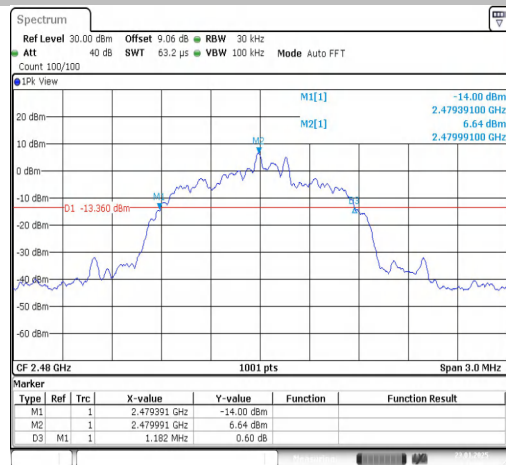
Date: 23.JAN.2025 13:29:18

DH5-Ant1-2480

2DH5-Ant1-2402



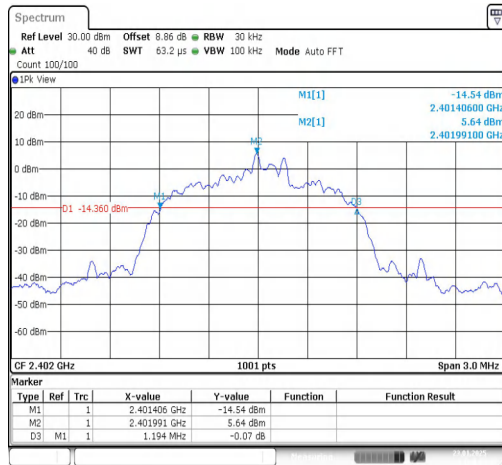
Date: 23.JAN.2025 13:31:30



Date: 23.JAN.2025 13:35:22

2DH5-Ant1-2441

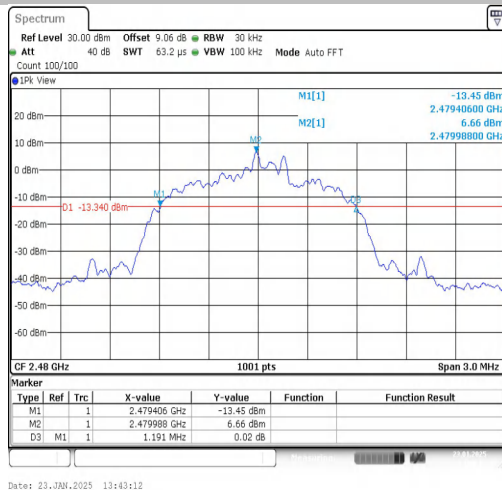
2DH5-Ant1-2480



3DH5-Ant1-2402



3DH5-Ant1-2441



3DH5-Ant1-2480



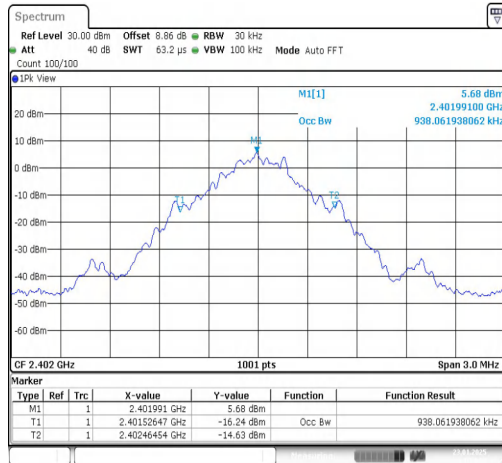
Appendix B: Occupied Channel Bandwidth

Test Result

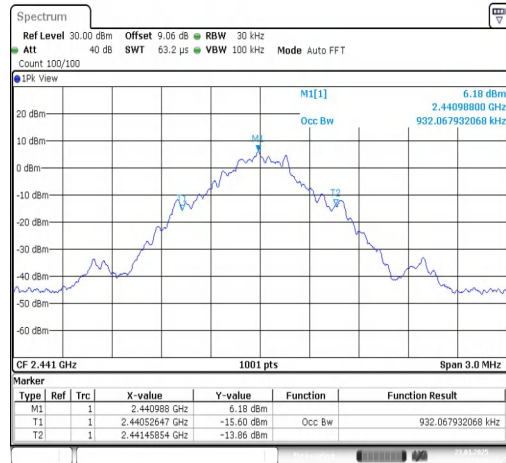
Test Mode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.938	2401.5265	2402.4645	---	---
DH5	Ant1	2441	0.932	2440.5265	2441.4585	---	---
DH5	Ant1	2480	0.935	2479.5265	2480.4615	---	---
2DH5	Ant1	2402	1.127	2401.4276	2402.5544	---	---
2DH5	Ant1	2441	1.127	2440.4276	2441.5544	---	---
2DH5	Ant1	2480	1.13	2479.4246	2480.5544	---	---
3DH5	Ant1	2402	1.133	2401.4276	2402.5604	---	---
3DH5	Ant1	2441	1.133	2440.4276	2441.5604	---	---
3DH5	Ant1	2480	1.133	2479.4276	2480.5604	---	---



Test Graphs



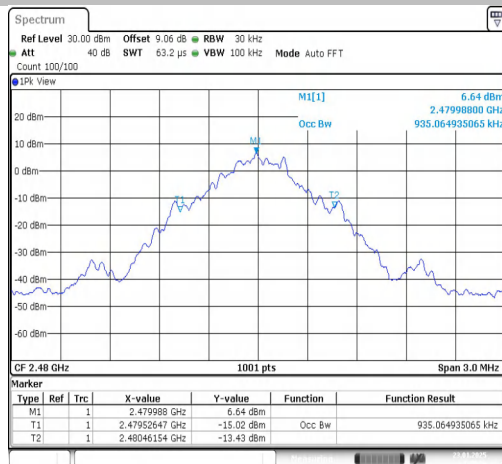
Date: 23.JAN.2025 13:19:44



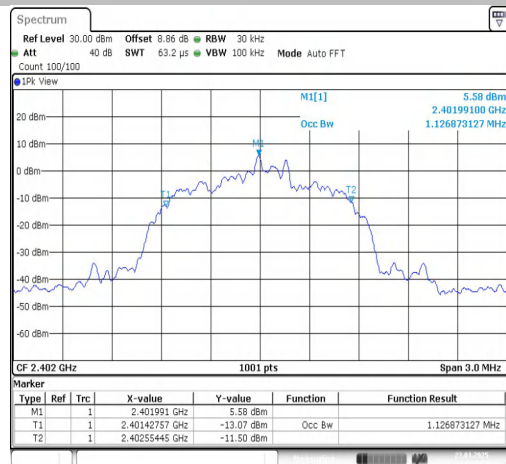
Date: 23.JAN.2025 13:24:10

DH5-Ant1-2402

DH5-Ant1-2441



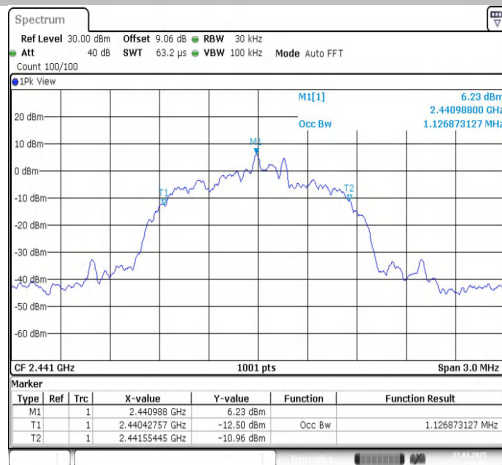
Date: 23.JAN.2025 13:27:17



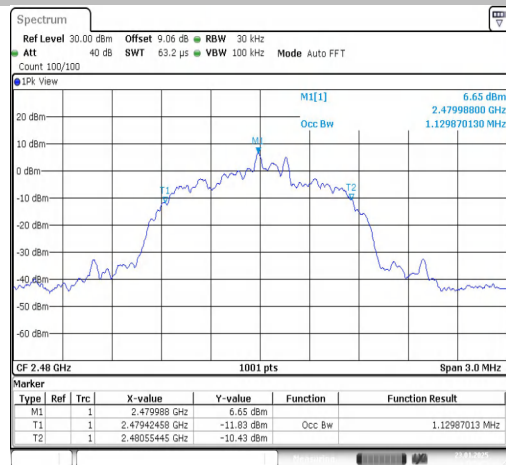
Date: 23.JAN.2025 13:29:26

DH5-Ant1-2480

2DH5-Ant1-2402



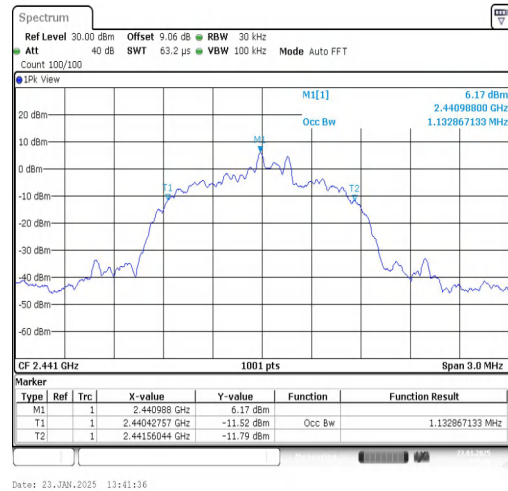
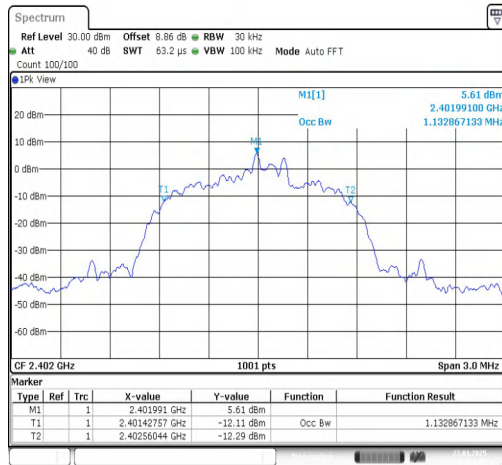
Date: 23.JAN.2025 13:31:38



Date: 23.JAN.2025 13:35:30

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]	Peak Power [dBm]	Peak Powe Limit [dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
DH5	Ant1	2402	6.74	≤20.97	-1.97	---	---	PASS
DH5	Ant1	2441	7.34	≤20.97	-1.97	---	---	PASS
DH5	Ant1	2480	7.80	≤20.97	-1.97	---	---	PASS
2DH5	Ant1	2402	6.61	≤20.97	-1.97	---	---	PASS
2DH5	Ant1	2441	7.28	≤20.97	-1.97	---	---	PASS
2DH5	Ant1	2480	7.72	≤20.97	-1.97	---	---	PASS
3DH5	Ant1	2402	6.66	≤20.97	-1.97	---	---	PASS
3DH5	Ant1	2441	7.24	≤20.97	-1.97	---	---	PASS
3DH5	Ant1	2480	7.73	≤20.97	-1.97	---	---	PASS



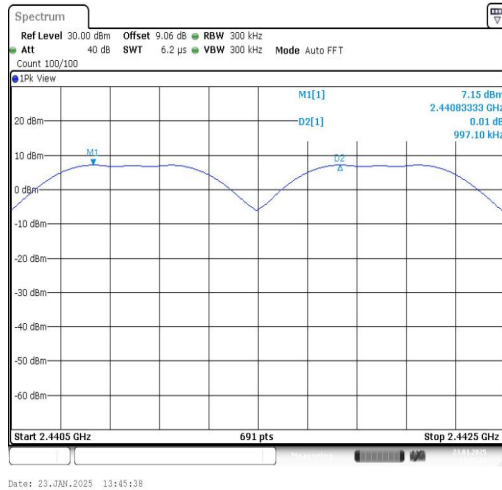
Appendix D: Carrier frequency separation

Test Result

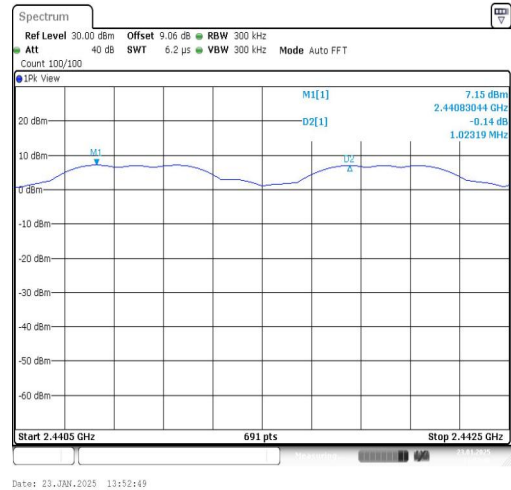
Test Mode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.997	≥ 0.693	PASS
2DH5	Ant1	Hop	1.023	≥ 0.787	PASS
3DH5	Ant1	Hop	1	≥ 0.793	PASS



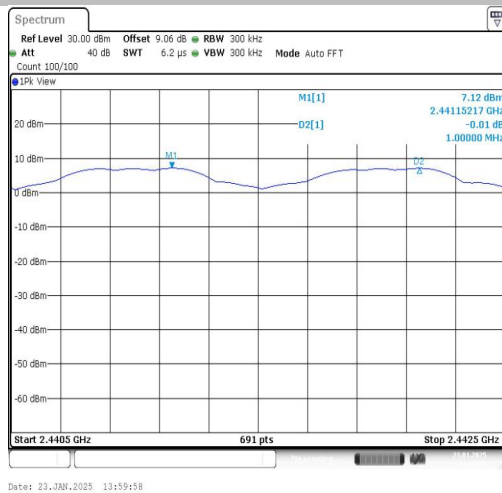
Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS



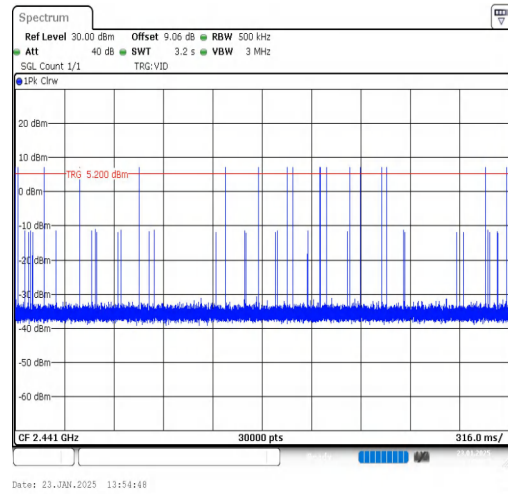
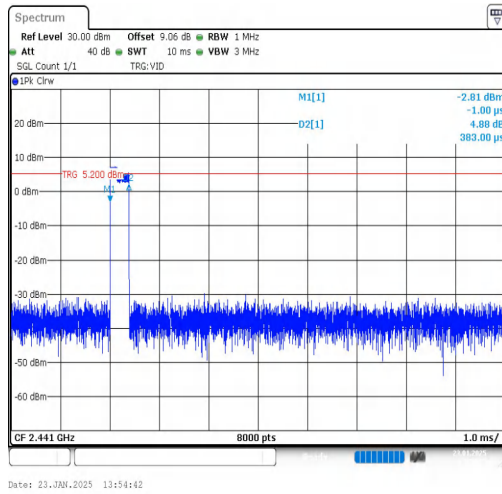
Appendix E: Time of occupancy

Test Result

Test Mode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.374	170	0.064	≤0.4	PASS
DH3	Ant1	Hop	1.623	170	0.276	≤0.4	PASS
DH5	Ant1	Hop	2.863	70	0.2	≤0.4	PASS
2DH1	Ant1	Hop	0.383	170	0.065	≤0.4	PASS
2DH3	Ant1	Hop	1.629	80	0.13	≤0.4	PASS
2DH5	Ant1	Hop	2.869	90	0.258	≤0.4	PASS
3DH1	Ant1	Hop	0.384	170	0.065	≤0.4	PASS
3DH3	Ant1	Hop	1.626	80	0.13	≤0.4	PASS
3DH5	Ant1	Hop	2.869	110	0.316	≤0.4	PASS

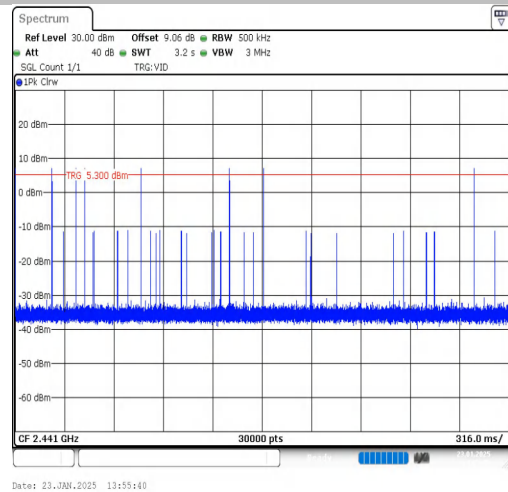
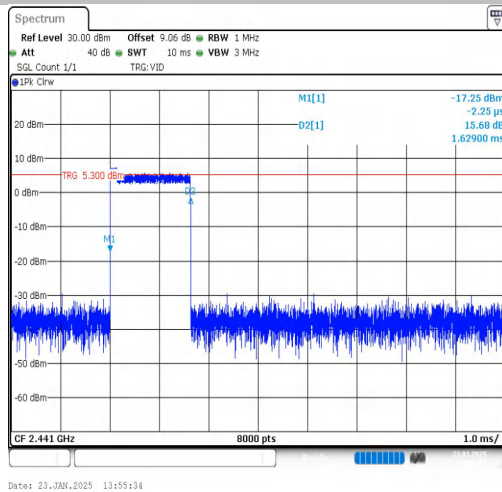


DH5-Ant1-Hop-PASS



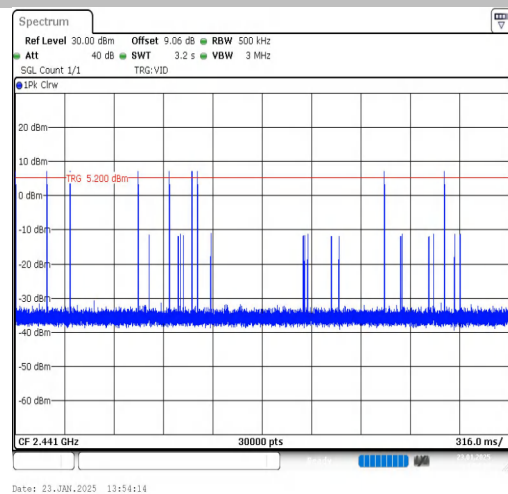
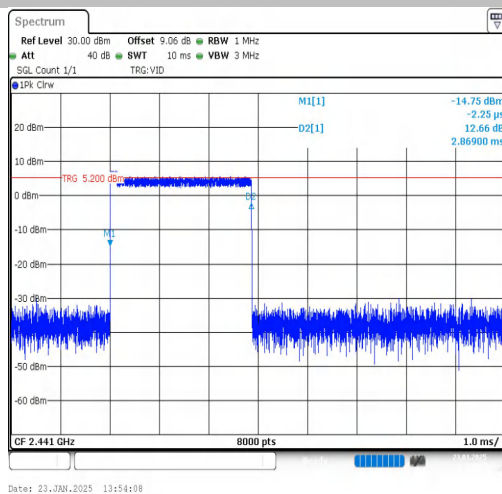
2DH1-Ant1-Hop-PASS

2DH1-Ant1-Hop-PASS



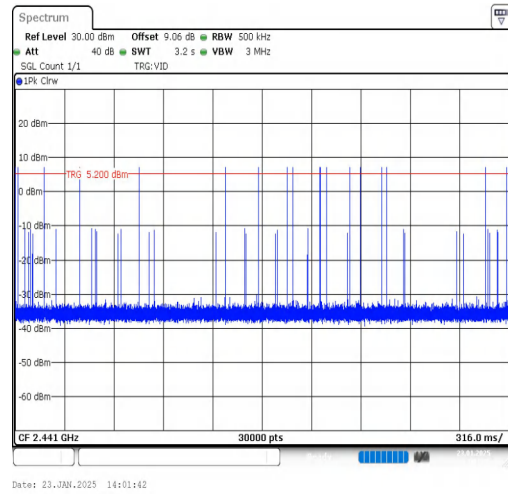
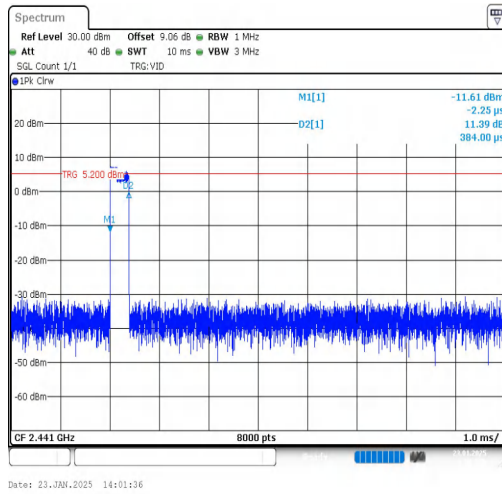
2DH3-Ant1-Hop-PASS

2DH3-Ant1-Hop-PASS



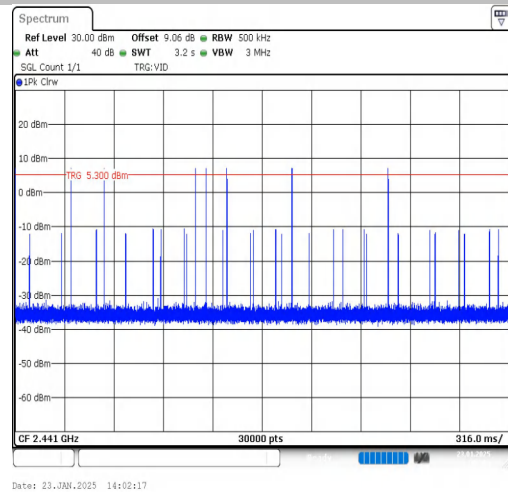
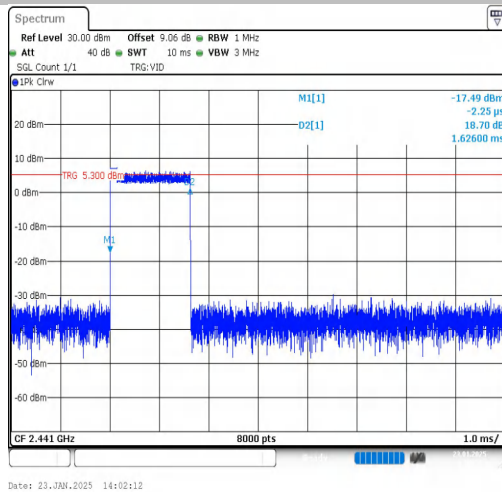
2DH5-Ant1-Hop-PASS

2DH5-Ant1-Hop-PASS



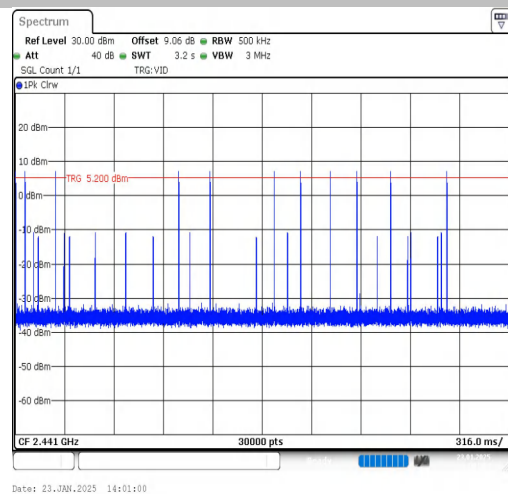
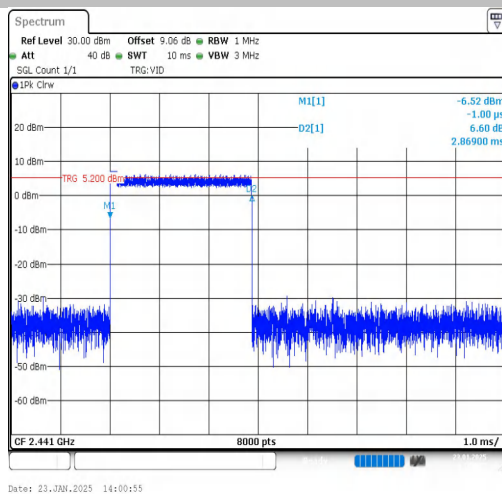
3DH1-Ant1-Hop-PASS

3DH1-Ant1-Hop-PASS



3DH3-Ant1-Hop-PASS

3DH3-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS

3DH5-Ant1-Hop-PASS



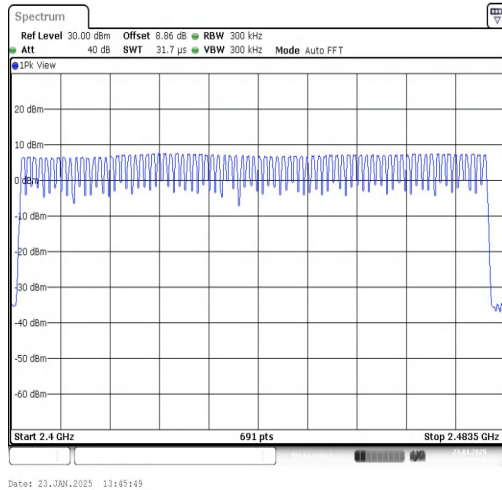
Appendix F: Number of hopping channels

Test Result

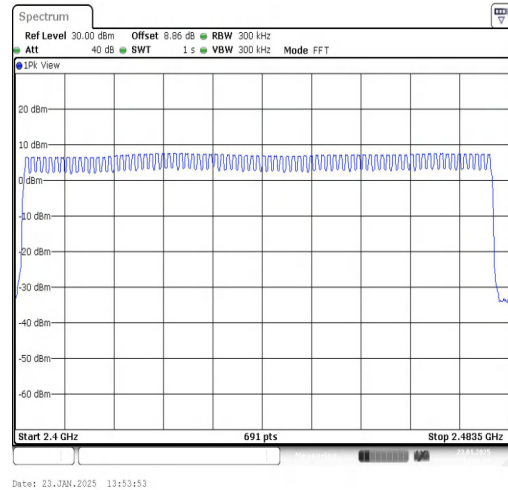
Test Mode	Antenna	Freq(MHz)	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥ 15	PASS
2DH5	Ant1	Hop	79	≥ 15	PASS
3DH5	Ant1	Hop	79	≥ 15	PASS



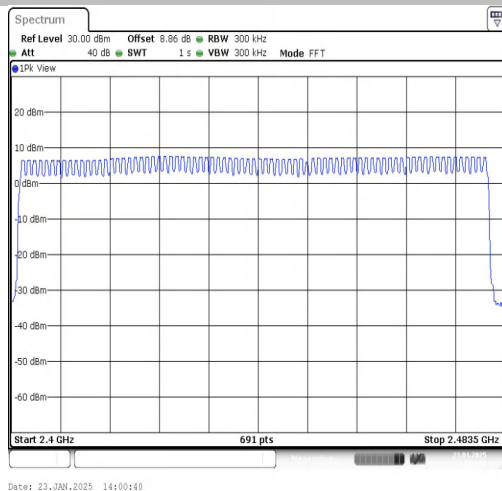
Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS



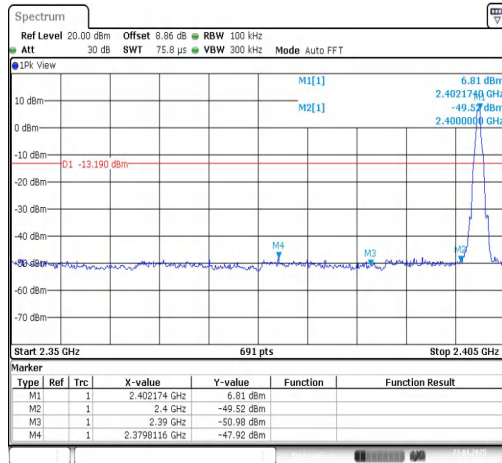
Appendix G: Band edge measurements

Test Result

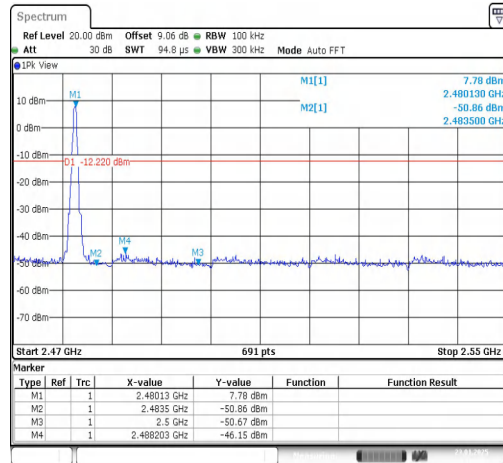
Test Mode	Antenna	ChName	Freq(MHz)	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	6.81	-47.92	≤ -13.19	PASS
DH5	Ant1	High	2480	7.78	-46.15	≤ -12.22	PASS
DH5	Ant1	Low	Hop_2402	6.06	-48.6	≤ -13.94	PASS
DH5	Ant1	High	Hop_2480	7.81	-46.51	≤ -12.19	PASS
2DH5	Ant1	Low	2402	6.62	-47.77	≤ -13.38	PASS
2DH5	Ant1	High	2480	7.67	-45.86	≤ -12.33	PASS
2DH5	Ant1	Low	Hop_2402	0.42	-48.6	≤ -19.58	PASS
2DH5	Ant1	High	Hop_2480	7.33	-46.97	≤ -12.67	PASS
3DH5	Ant1	Low	2402	6.72	-47.95	≤ -13.28	PASS
3DH5	Ant1	High	2480	7.78	-46.77	≤ -12.22	PASS
3DH5	Ant1	Low	Hop_2402	0.86	-48.61	≤ -19.14	PASS
3DH5	Ant1	High	Hop_2480	7.98	-47.05	≤ -12.02	PASS



Test Graphs



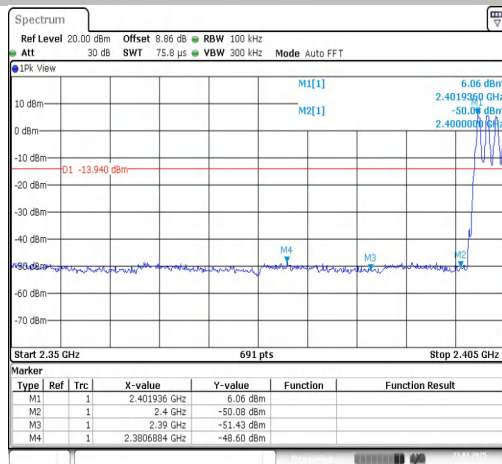
Date: 23.JAN.2025 13:19:54



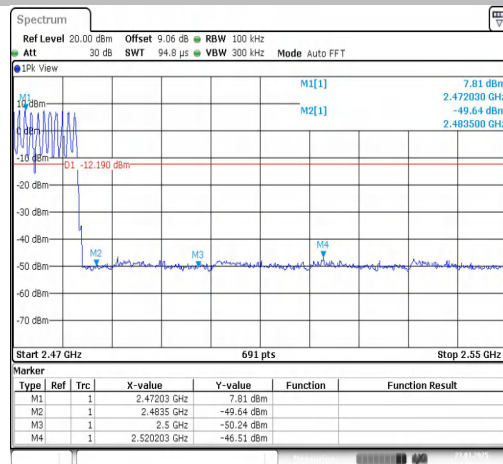
Date: 23.JAN.2025 13:27:27

DH5-Ant1-2402-PASS

DH5-Ant1-2480-PASS



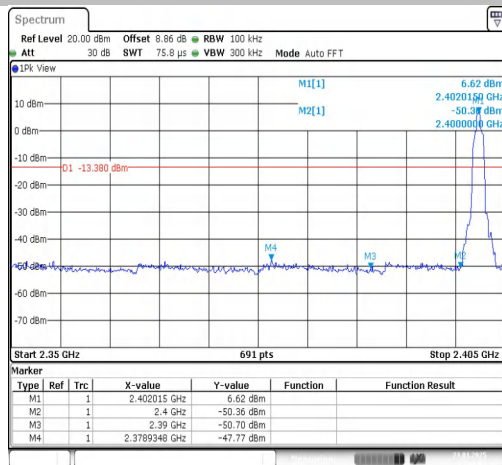
Date: 23.JAN.2025 13:45:23



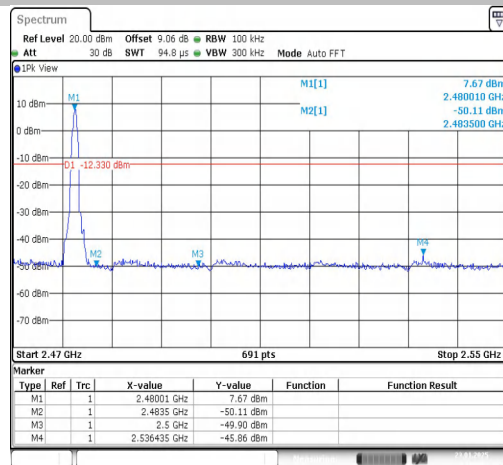
Date: 23.JAN.2025 13:50:24

DH5-Ant1-Hop_2402-PASS

DH5-Ant1-Hop_2480-PASS



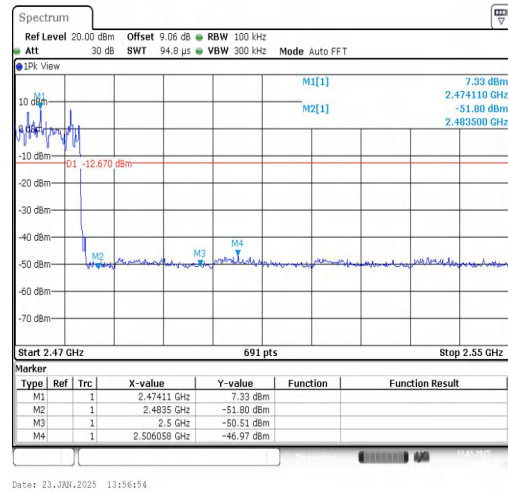
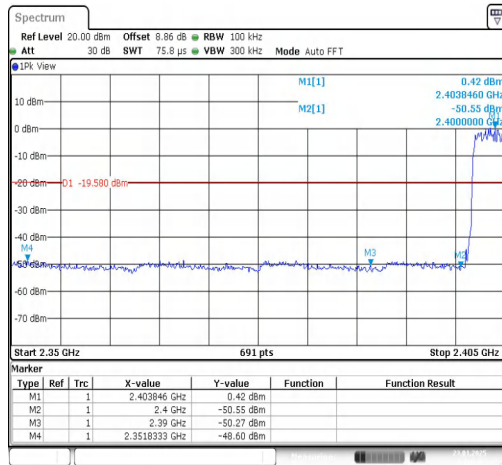
Date: 23.JAN.2025 13:29:36



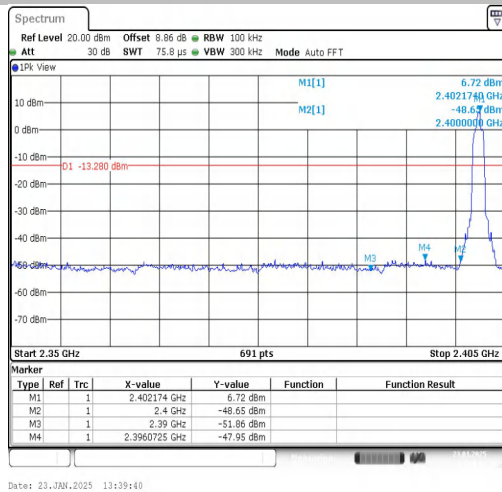
Date: 23.JAN.2025 13:35:40

2DH5-Ant1-2402-PASS

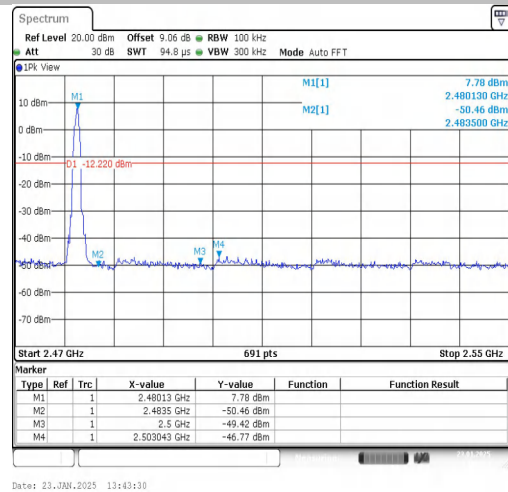
2DH5-Ant1-2480-PASS



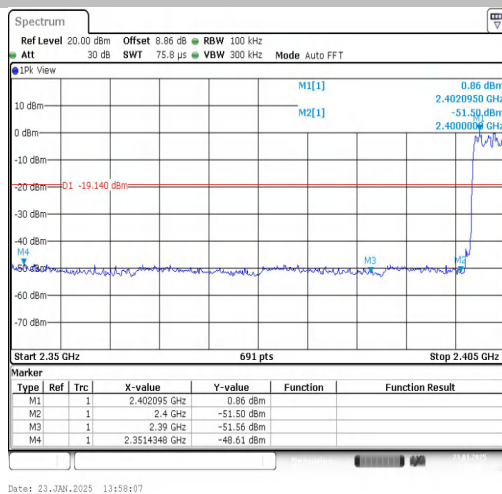
2DH5-Ant1-Hop_2402-PASS



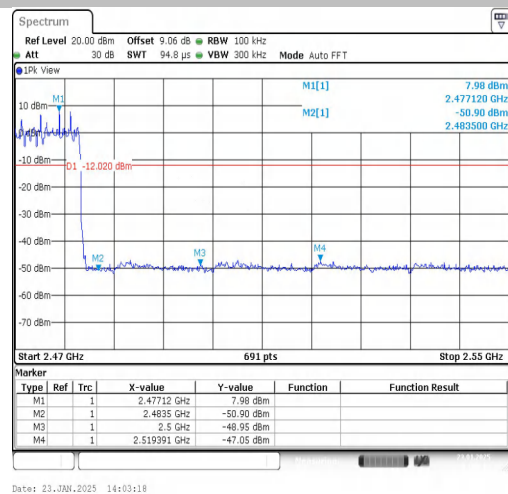
2DH5-Ant1-Hop_2480-PASS



3DH5-Ant1-2402-PASS



3DH5-Ant1-2480-PASS



3DH5-Ant1-Hop_2402-PASS

3DH5-Ant1-Hop_2480-PASS



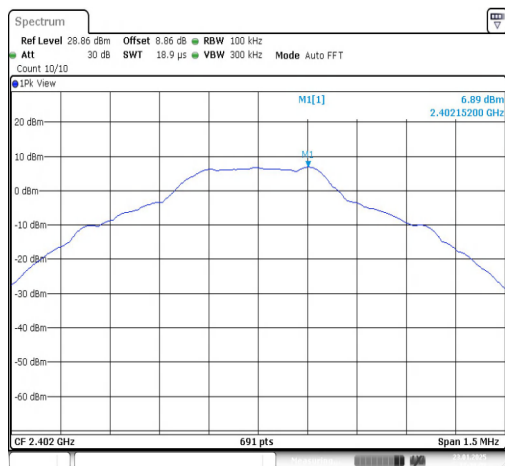
Appendix H: Conducted Spurious Emission

Test Result

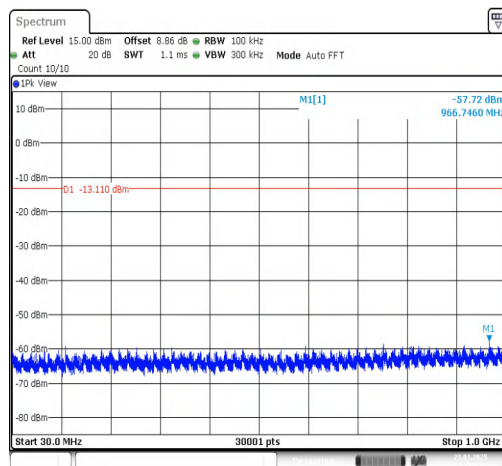
Test Mode	Antenna	Freq(MHz)	Freq Range [MHz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	6.89	6.89	---	PASS
DH5	Ant1	2402	30~1000	6.89	-57.72	≤-13.11	PASS
DH5	Ant1	2402	1000~26500	6.89	-48.17	≤-13.11	PASS
DH5	Ant1	2441	0~Reference	7.42	7.42	---	PASS
DH5	Ant1	2441	30~1000	7.42	-57.91	≤-12.58	PASS
DH5	Ant1	2441	1000~26500	7.42	-46.77	≤-12.58	PASS
DH5	Ant1	2480	0~Reference	7.81	7.81	---	PASS
DH5	Ant1	2480	30~1000	7.81	-46.88	≤-12.19	PASS
DH5	Ant1	2480	1000~26500	7.81	-47.62	≤-12.19	PASS
2DH5	Ant1	2402	0~Reference	6.73	6.73	---	PASS
2DH5	Ant1	2402	30~1000	6.73	-53.36	≤-13.27	PASS
2DH5	Ant1	2402	1000~26500	6.73	-47.69	≤-13.27	PASS
2DH5	Ant1	2441	0~Reference	7.29	7.29	---	PASS
2DH5	Ant1	2441	30~1000	7.29	-55.26	≤-12.71	PASS
2DH5	Ant1	2441	1000~26500	7.29	-47.27	≤-12.71	PASS
2DH5	Ant1	2480	0~Reference	7.71	7.71	---	PASS
2DH5	Ant1	2480	30~1000	7.71	-58.44	≤-12.29	PASS
2DH5	Ant1	2480	1000~26500	7.71	-47.19	≤-12.29	PASS
3DH5	Ant1	2402	0~Reference	6.82	6.82	---	PASS
3DH5	Ant1	2402	30~1000	6.82	-57.72	≤-13.18	PASS
3DH5	Ant1	2402	1000~26500	6.82	-47.12	≤-13.18	PASS
3DH5	Ant1	2441	0~Reference	7.41	7.41	---	PASS
3DH5	Ant1	2441	30~1000	7.41	-58.02	≤-12.59	PASS
3DH5	Ant1	2441	1000~26500	7.41	-47.52	≤-12.59	PASS
3DH5	Ant1	2480	0~Reference	7.81	7.81	---	PASS
3DH5	Ant1	2480	30~1000	7.81	-58.3	≤-12.19	PASS
3DH5	Ant1	2480	1000~26500	7.81	-47.09	≤-12.19	PASS



Test Graphs



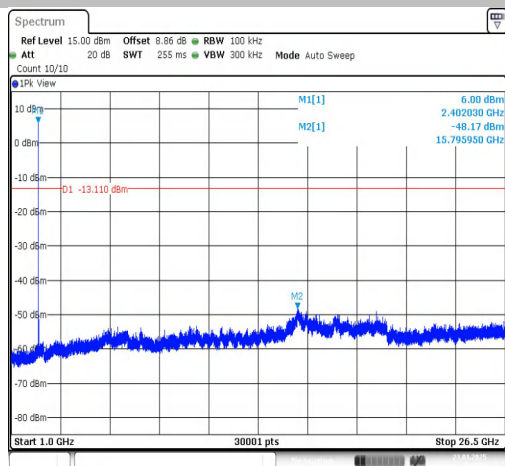
Date: 23.JAN.2025 13:20:04



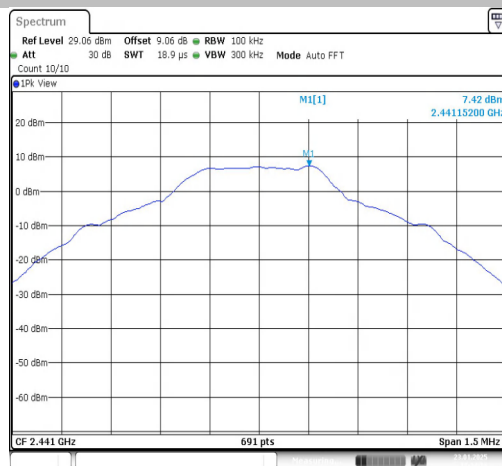
Date: 23.JAN.2025 13:20:15

DH5-Ant1-2402-0~Reference-PASS

DH5-Ant1-2402-30~1000-PASS



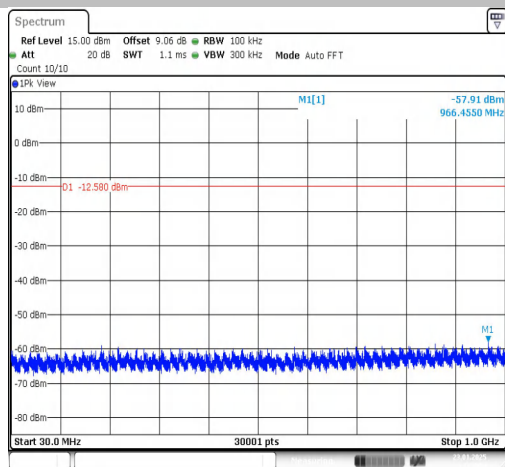
Date: 23.JAN.2025 13:20:52



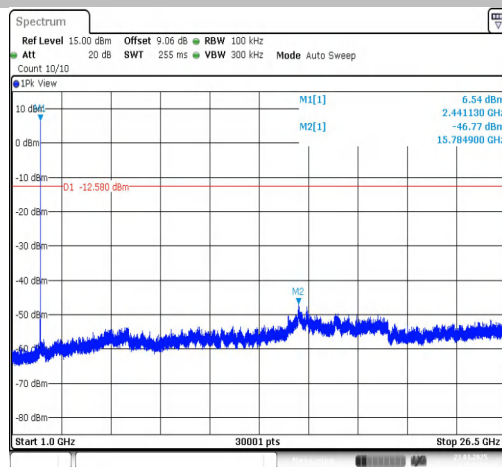
Date: 23.JAN.2025 13:24:19

DH5-Ant1-2402-1000~26500-PASS

DH5-Ant1-2441-0~Reference-PASS



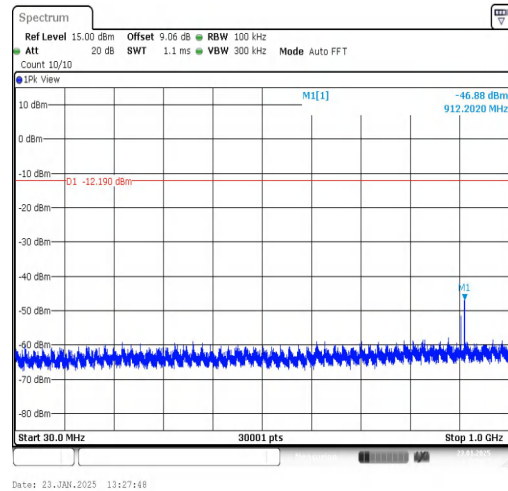
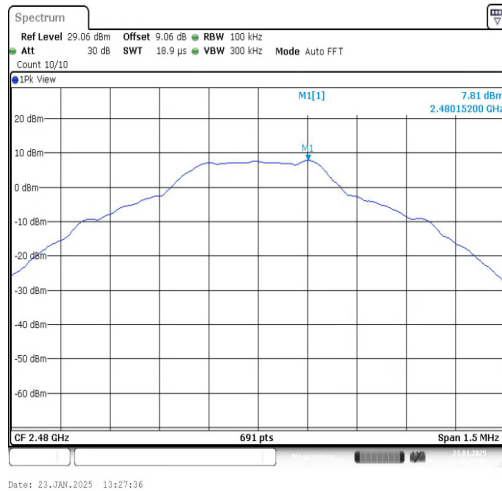
Date: 23.JAN.2025 13:24:31



Date: 23.JAN.2025 13:25:08

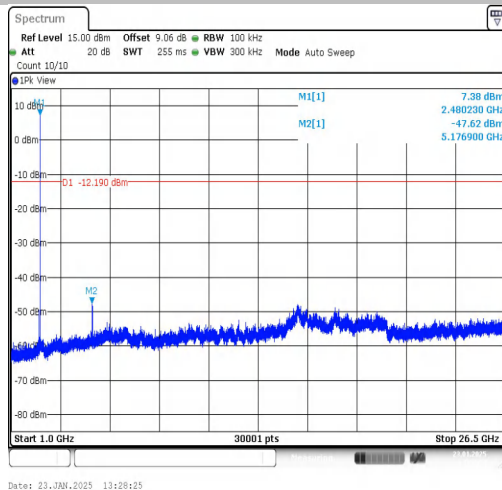
DH5-Ant1-2441-30~1000-PASS

DH5-Ant1-2441-1000~26500-PASS



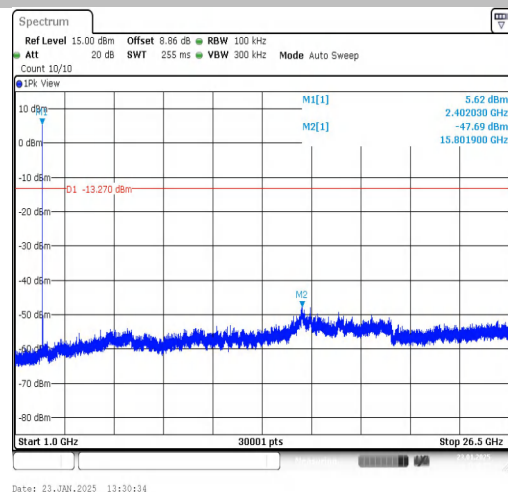
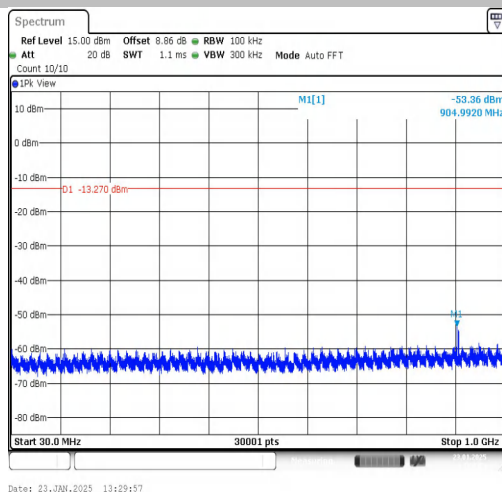
DH5-Ant1-2480-0~Reference-PASS

DH5-Ant1-2480-30~1000-PASS



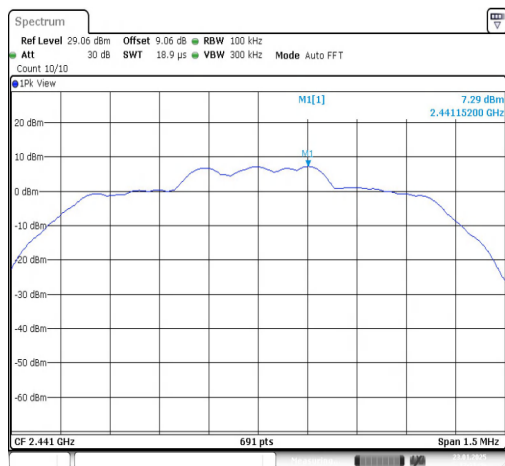
DH5-Ant1-2480-1000~26500-PASS

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

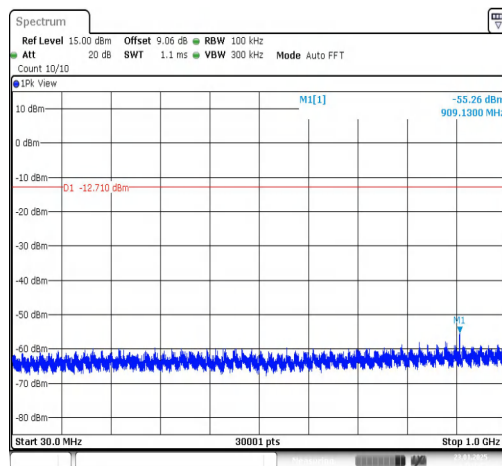


2DH5-Ant1-2402-30~1000-PASS

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



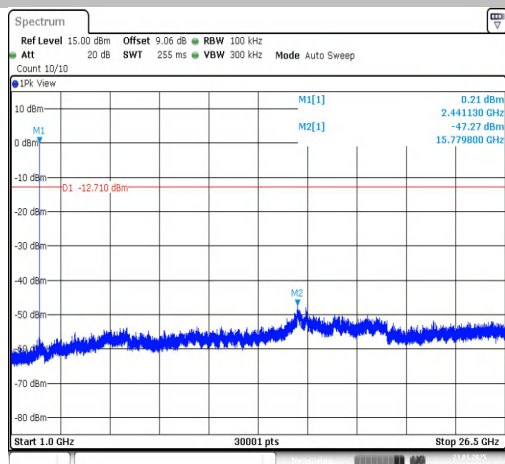
Date: 23.JAN.2025 13:31:47



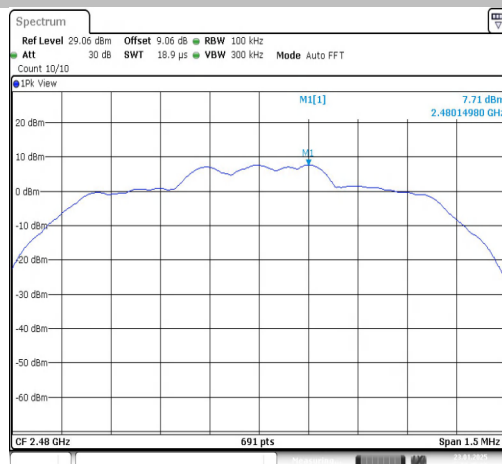
Date: 23.JAN.2025 13:31:58

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

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



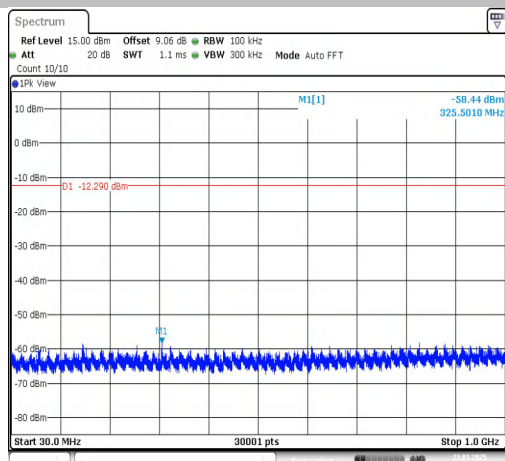
Date: 23.JAN.2025 13:32:35



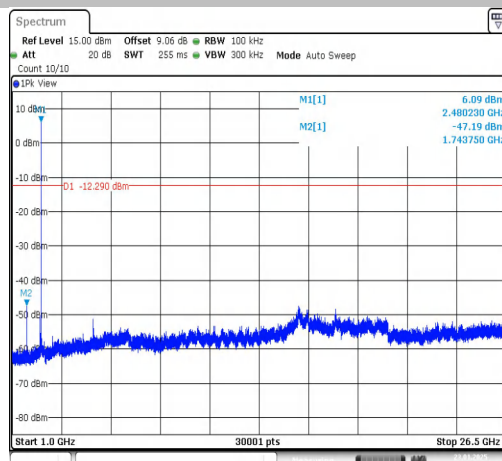
Date: 23.JAN.2025 13:35:49

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

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



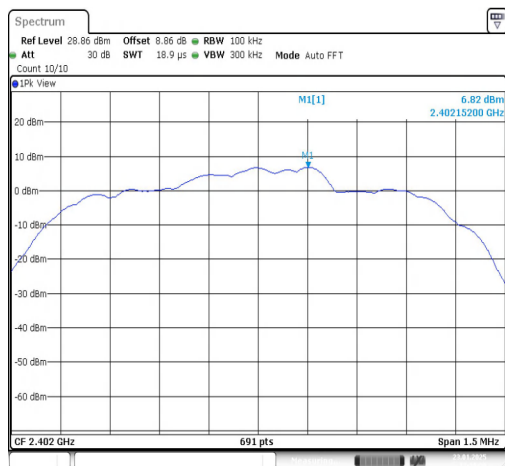
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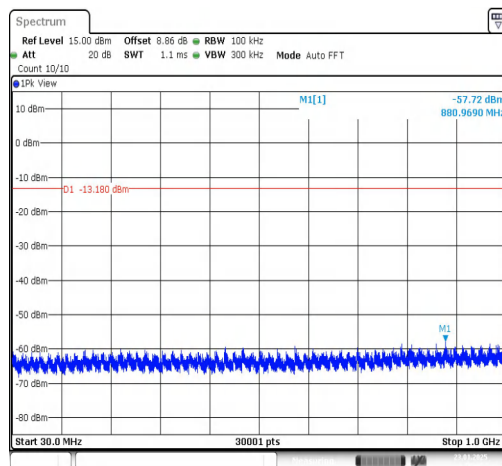
Date: 23.JAN.2025 13:36:38

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

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



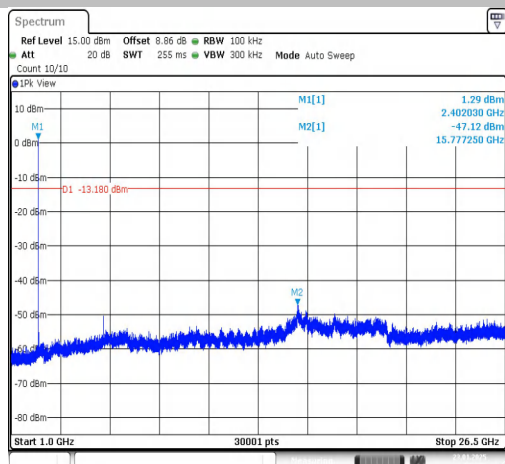
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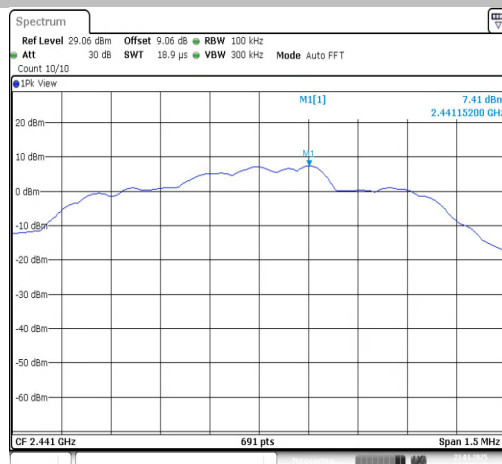
Date: 23.JAN.2025 13:40:01

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

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



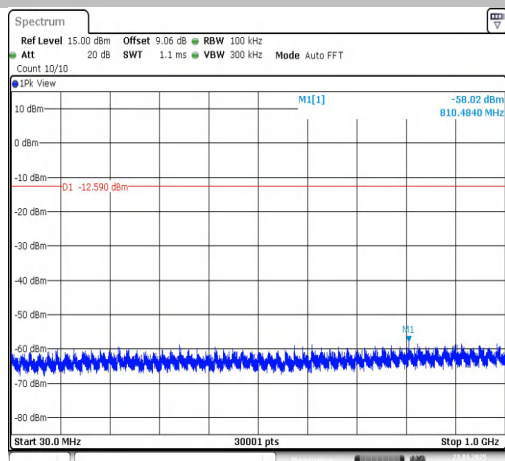
Date: 23.JAN.2025 13:40:38



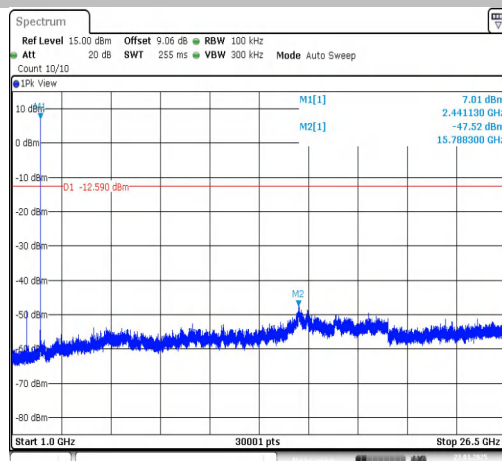
Date: 23.JAN.2025 13:41:46

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

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



Date: 23.JAN.2025 13:41:57



Date: 23.JAN.2025 13:42:34

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

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



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



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



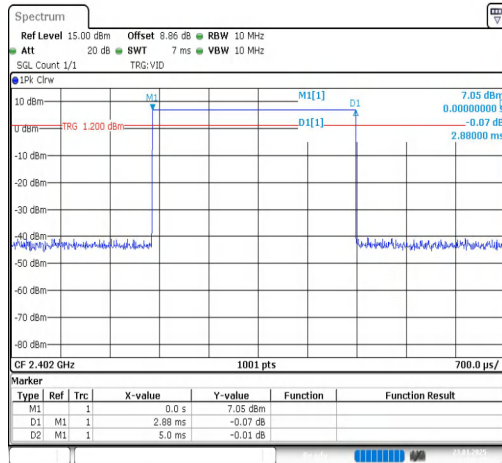
Appendix I: Duty Cycle

Test Result

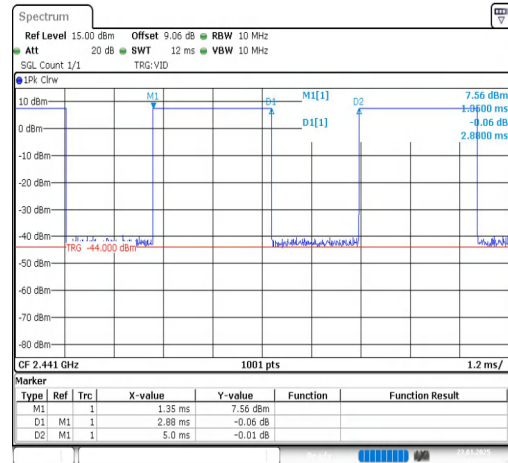
Test Mode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	DC Factor (dB)
DH5	Ant1	2402	2.88	5.00	57.60	2.40
DH5	Ant1	2441	2.88	5.00	57.60	2.40
DH5	Ant1	2480	2.89	5.00	57.80	2.38
2DH5	Ant1	2402	2.90	5.01	57.88	2.37
2DH5	Ant1	2441	2.89	5.00	57.80	2.38
2DH5	Ant1	2480	2.90	5.01	57.88	2.37
3DH5	Ant1	2402	2.89	5.00	57.80	2.38
3DH5	Ant1	2441	2.89	5.00	57.80	2.38
3DH5	Ant1	2480	2.89	5.00	57.80	2.38



Test Graphs



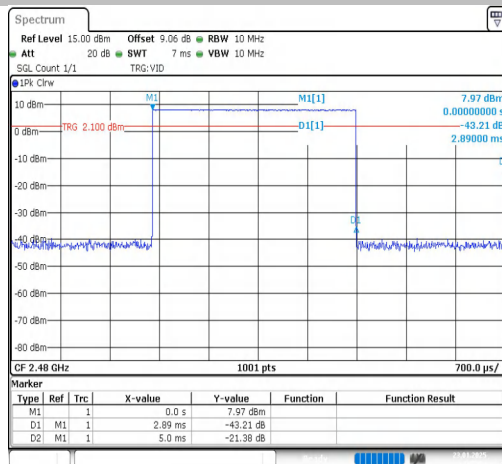
Date: 23.JAN.2025 13:19:28



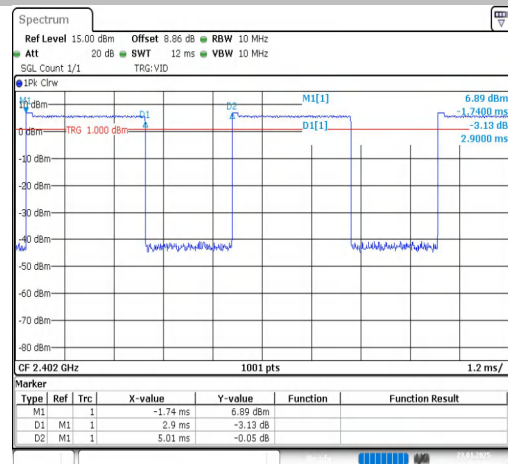
Date: 23.JAN.2025 13:23:53

NTNV-DH5-Ant1-2402

NTNV-DH5-Ant1-2441



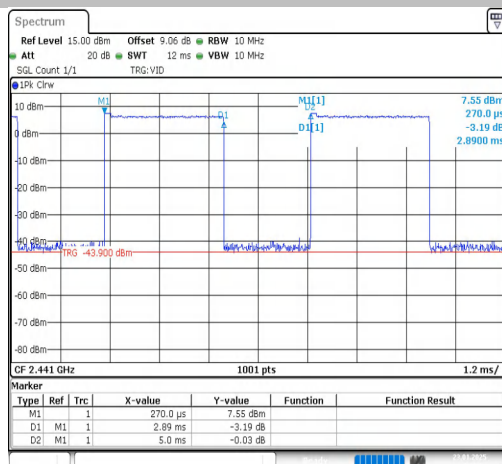
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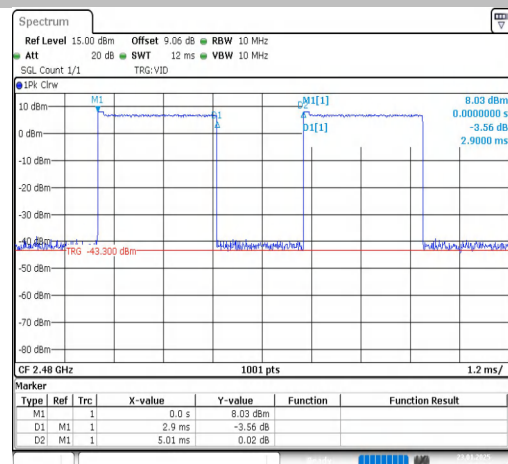
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NTNV-DH5-Ant1-2480

NTNV-2DH5-Ant1-2402



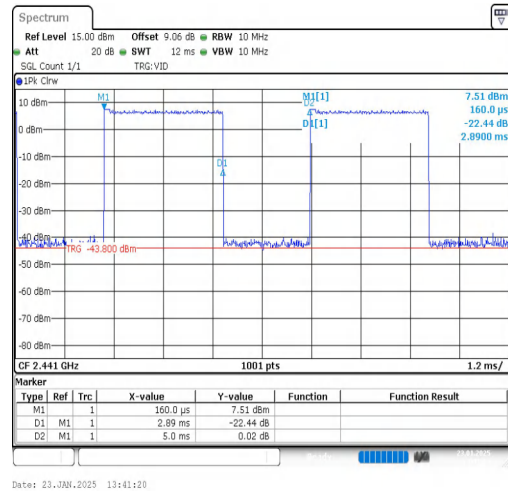
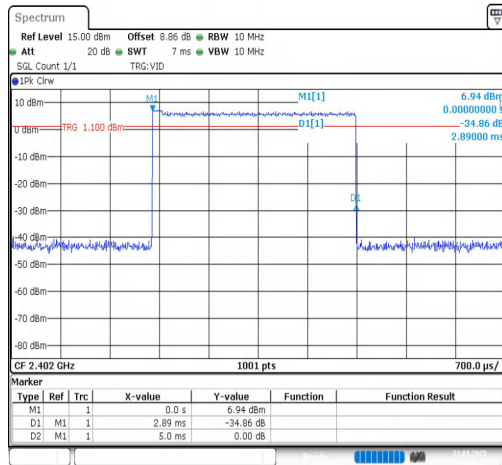
Date: 23.JAN.2025 13:31:21



Date: 23.JAN.2025 13:35:13

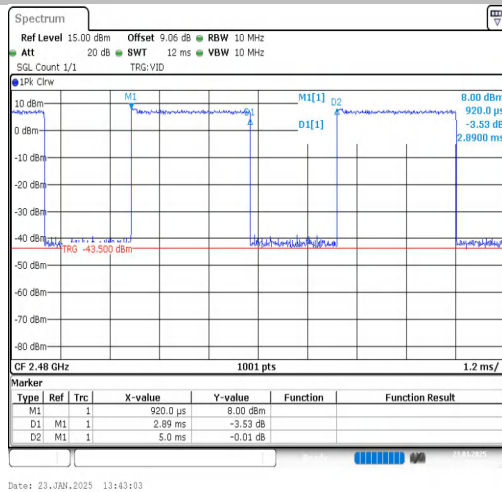
NTNV-2DH5-Ant1-2441

NTNV-2DH5-Ant1-2480



NTNV-3DH5-Ant1-2402

NTNV-3DH5-Ant1-2441



NTNV-3DH5-Ant1-2480

-----END-----