



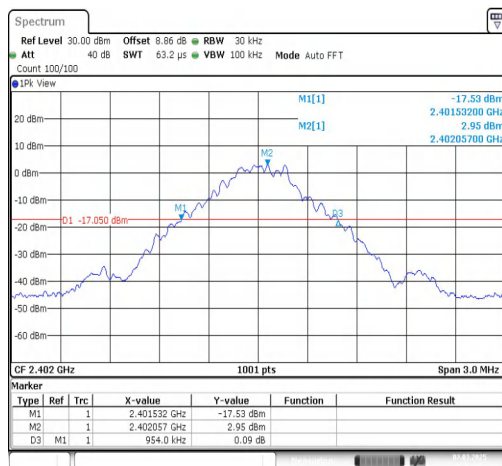
Appendix A: 20dB Emission Bandwidth

Test Result

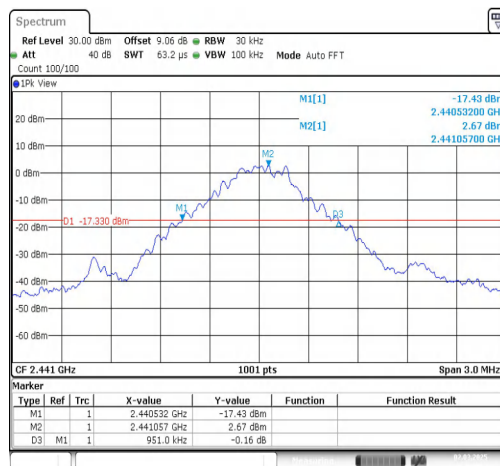
Test Mode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.95	2401.53	2402.49	---	---
DH5	Ant1	2441	0.95	2440.53	2441.48	---	---
DH5	Ant1	2480	0.95	2479.53	2480.48	---	---
2DH5	Ant1	2402	1.33	2401.33	2402.67	---	---
2DH5	Ant1	2441	1.33	2440.33	2441.66	---	---
2DH5	Ant1	2480	1.33	2479.33	2480.67	---	---
3DH5	Ant1	2402	1.31	2401.35	2402.66	---	---
3DH5	Ant1	2441	1.31	2440.35	2441.66	---	---
3DH5	Ant1	2480	1.31	2479.35	2480.66	---	---



Test Graphs



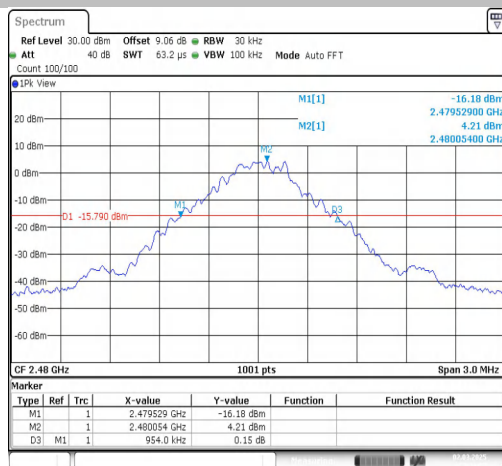
Date: 2.MAR.2025 15:16:08



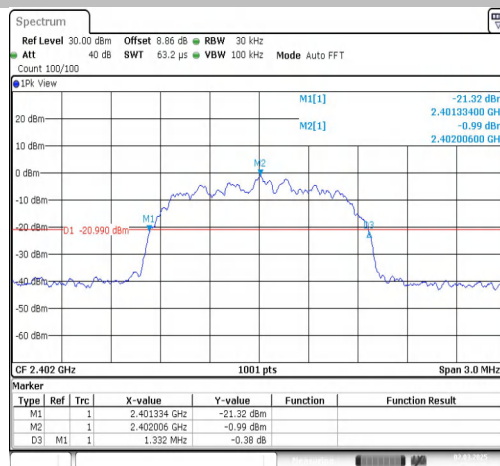
Date: 2.MAR.2025 15:48:08

DH5-Ant1-2402

DH5-Ant1-2441



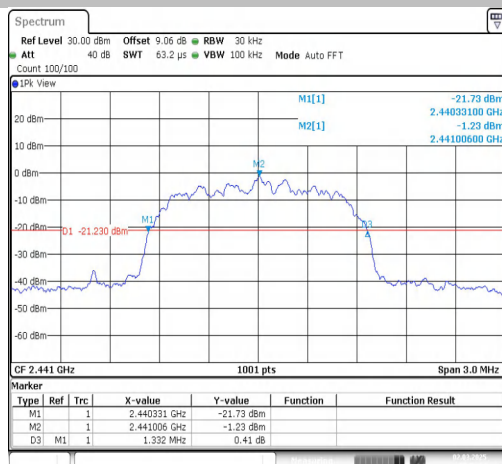
Date: 2.MAR.2025 15:49:43



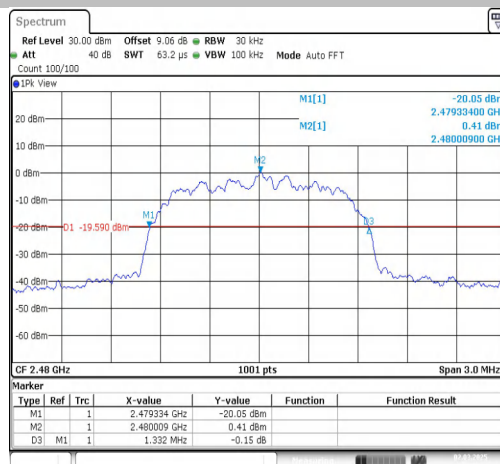
Date: 2.MAR.2025 15:53:43

DH5-Ant1-2480

2DH5-Ant1-2402



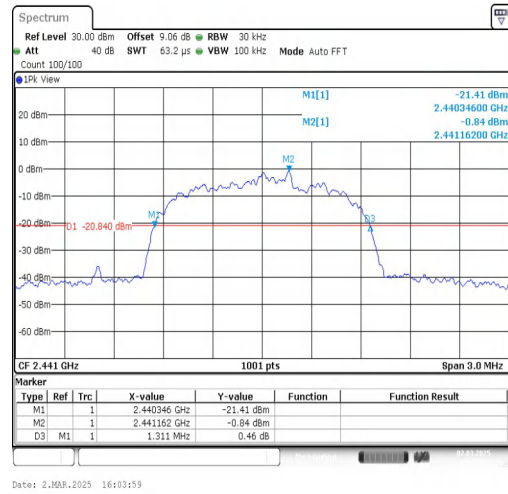
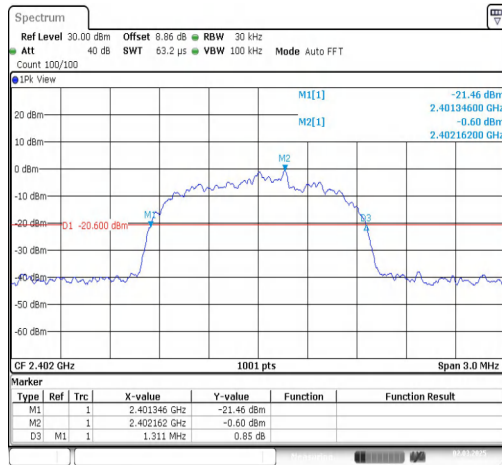
Date: 2.MAR.2025 15:55:24



Date: 2.MAR.2025 16:00:09

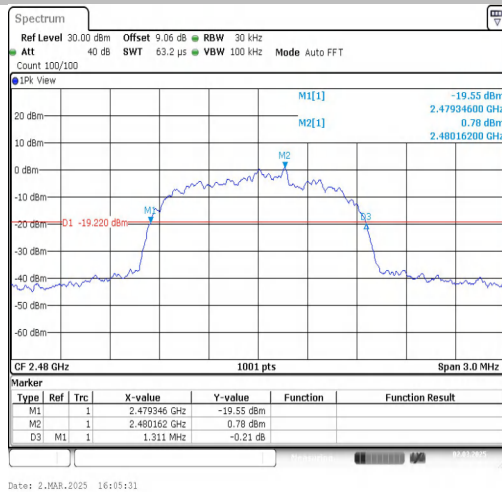
2DH5-Ant1-2441

2DH5-Ant1-2480



3DH5-Ant1-2402

3DH5-Ant1-2441



3DH5-Ant1-2480



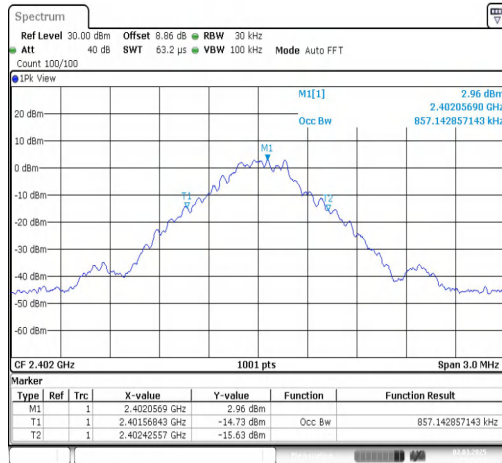
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.857	2401.5684	2402.4256	---	---
DH5	Ant1	2441	0.866	2440.5624	2441.4286	---	---
DH5	Ant1	2480	0.866	2479.5624	2480.4286	---	---
2DH5	Ant1	2402	1.19	2401.4066	2402.5964	---	---
2DH5	Ant1	2441	1.19	2440.4036	2441.5934	---	---
2DH5	Ant1	2480	1.19	2479.4066	2480.5964	---	---
3DH5	Ant1	2402	1.19	2401.4066	2402.5964	---	---
3DH5	Ant1	2441	1.19	2440.4066	2441.5964	---	---
3DH5	Ant1	2480	1.19	2479.4036	2480.5934	---	---



Test Graphs



Date: 2.MAR.2025 15:16:15



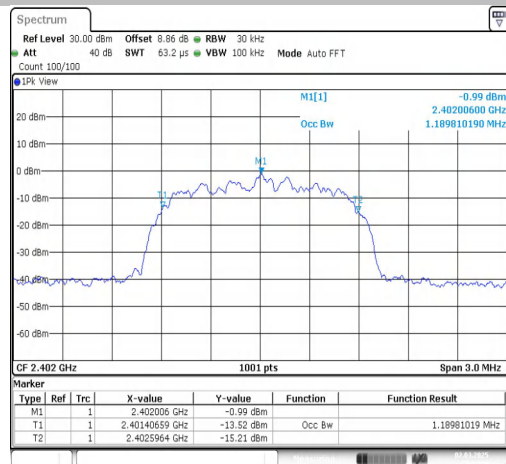
Date: 2.MAR.2025 15:48:14

DH5-Ant1-2402

DH5-Ant1-2441



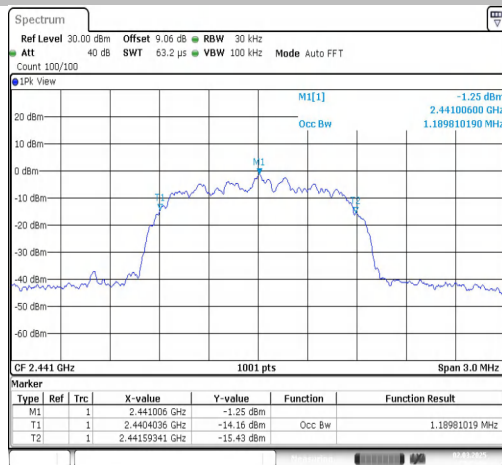
Date: 2.MAR.2025 15:49:50



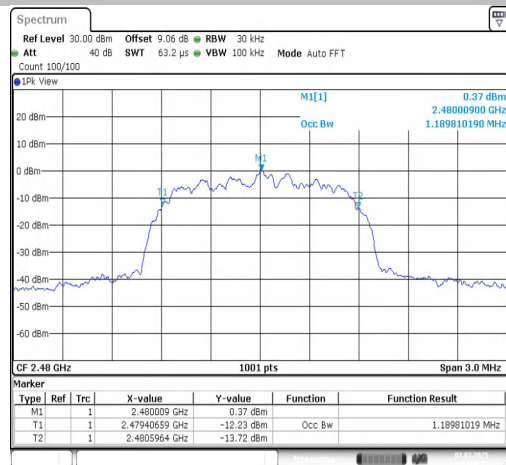
Date: 2.MAR.2025 15:53:50

DH5-Ant1-2480

2DH5-Ant1-2402



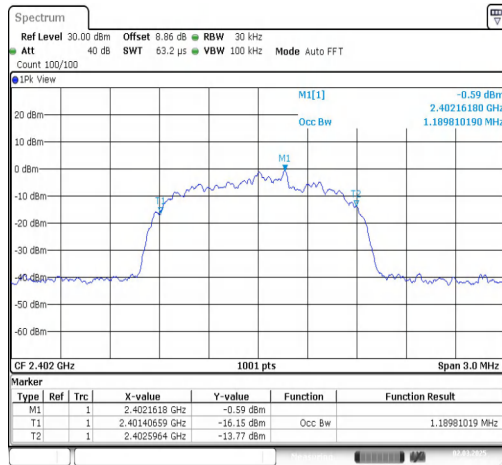
Date: 2.MAR.2025 15:55:31



Date: 2.MAR.2025 16:00:15

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 Power Limit [dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
DH5	Ant1	2402	6.10	≤20.97	---	---	---	PASS
DH5	Ant1	2441	5.86	≤20.97	---	---	---	PASS
DH5	Ant1	2480	7.35	≤20.97	---	---	---	PASS
2DH5	Ant1	2402	5.05	≤20.97	---	---	---	PASS
2DH5	Ant1	2441	4.77	≤20.97	---	---	---	PASS
2DH5	Ant1	2480	6.39	≤20.97	---	---	---	PASS
3DH5	Ant1	2402	5.11	≤20.97	---	---	---	PASS
3DH5	Ant1	2441	5.04	≤20.97	---	---	---	PASS
3DH5	Ant1	2480	6.65	≤20.97	---	---	---	PASS

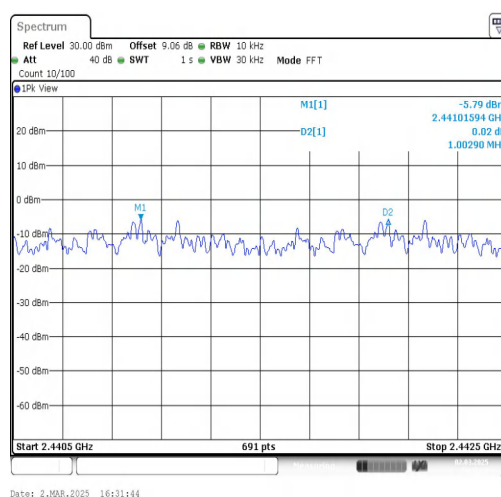
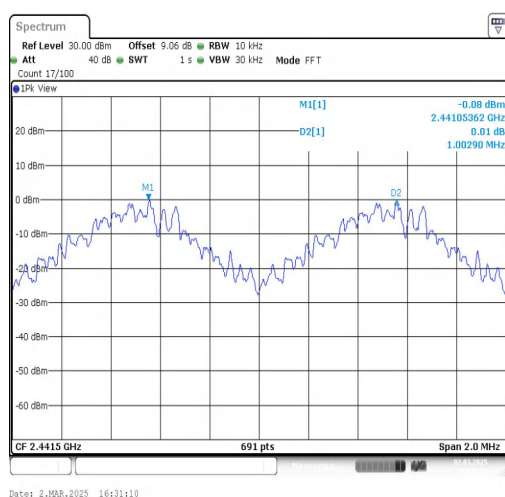


Appendix D: Carrier frequency separation

Test Result

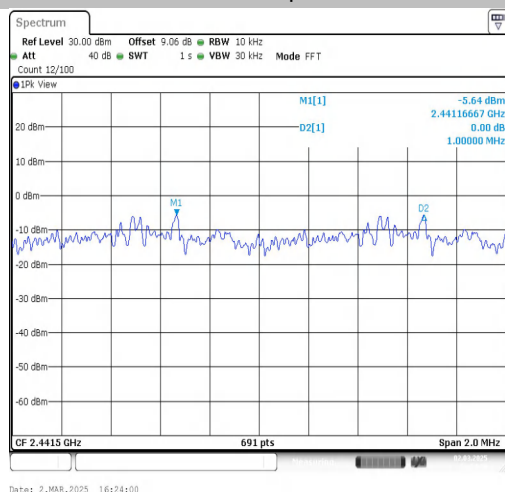
Test Mode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.003	≥ 0.950	PASS
2DH5	Ant1	Hop	1.003	≥ 0.887	PASS
3DH5	Ant1	Hop	1	≥ 0.873	PASS

Test Graphs



DH5-Ant1-Hop-PASS

2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS



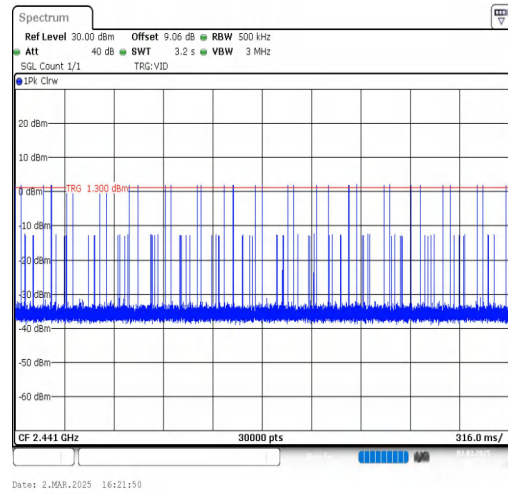
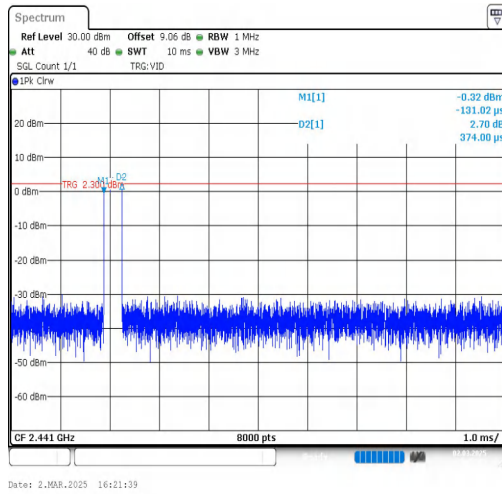
Appendix E: Time of occupancy

Test Result

Test Mode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.364	320	0.116	≤0.4	PASS
DH3	Ant1	Hop	1.613	140	0.226	≤0.4	PASS
DH5	Ant1	Hop	2.853	90	0.257	≤0.4	PASS
2DH1	Ant1	Hop	0.374	330	0.123	≤0.4	PASS
2DH3	Ant1	Hop	1.619	180	0.291	≤0.4	PASS
2DH5	Ant1	Hop	2.859	100	0.286	≤0.4	PASS
3DH1	Ant1	Hop	0.375	330	0.124	≤0.4	PASS
3DH3	Ant1	Hop	1.618	130	0.21	≤0.4	PASS
3DH5	Ant1	Hop	2.860	100	0.286	≤0.4	PASS

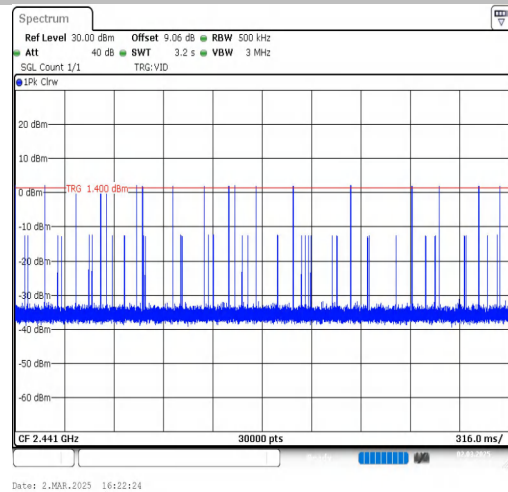
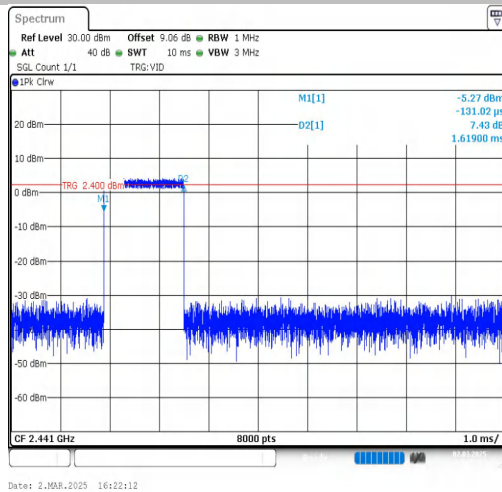


DH5-Ant1-Hop-PASS



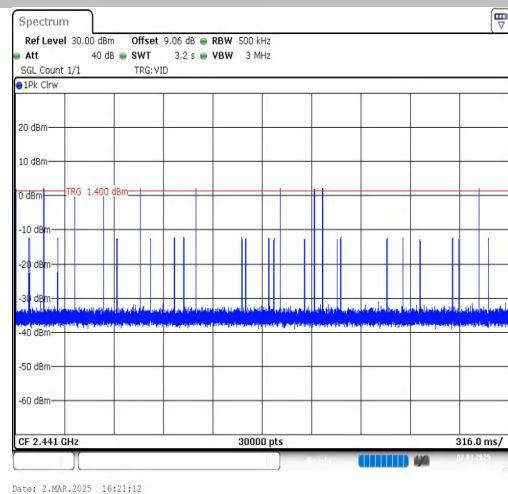
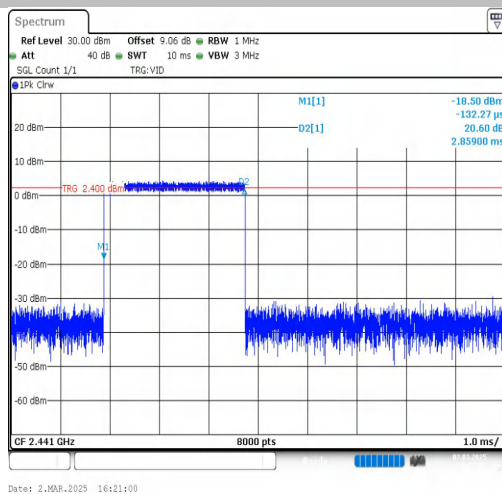
2DH1-Ant1-Hop-PASS

2DH1-Ant1-Hop-PASS



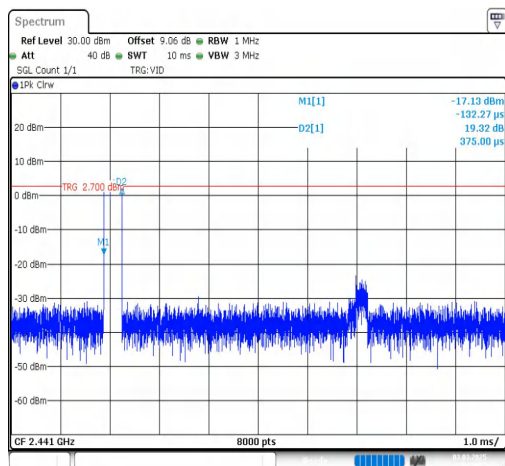
2DH3-Ant1-Hop-PASS

2DH3-Ant1-Hop-PASS

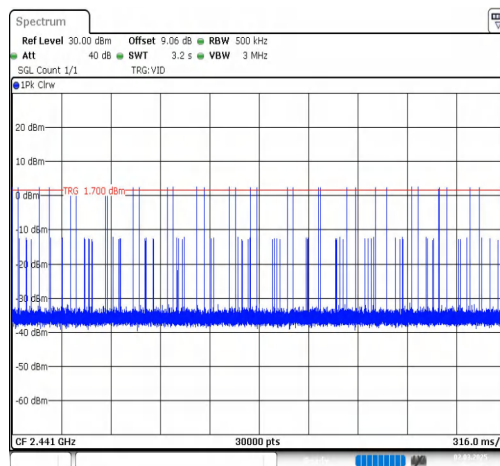


2DH5-Ant1-Hop-PASS

2DH5-Ant1-Hop-PASS



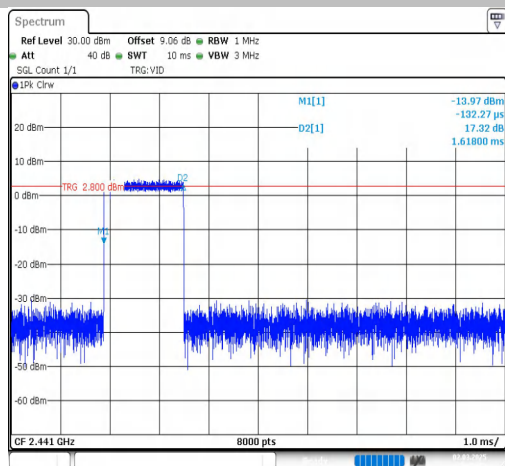
Date: 2.MAR.2025 16:25:47



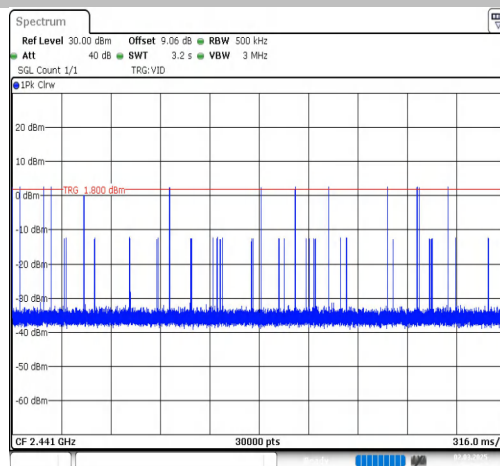
Date: 2.MAR.2025 16:25:59

3DH1-Ant1-Hop-PASS

3DH1-Ant1-Hop-PASS



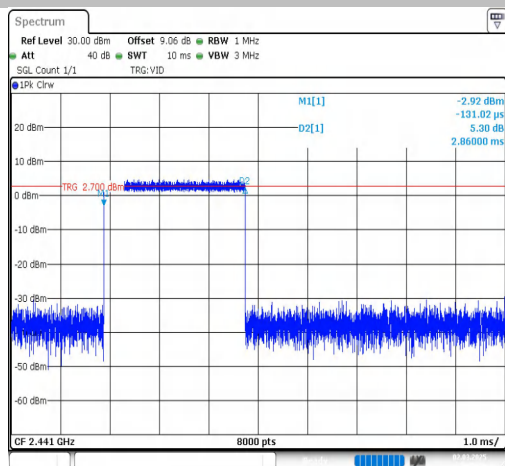
Date: 2.MAR.2025 16:26:26



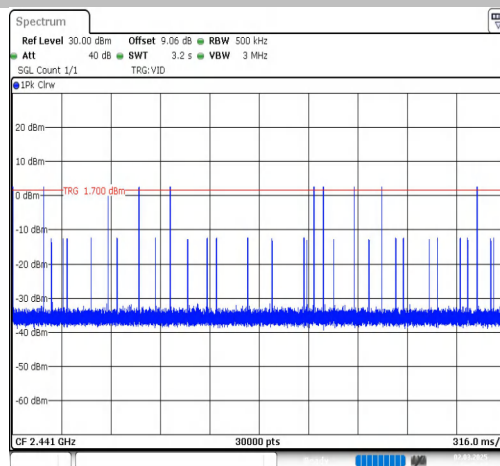
Date: 2.MAR.2025 16:26:37

3DH3-Ant1-Hop-PASS

3DH3-Ant1-Hop-PASS



Date: 2.MAR.2025 16:25:06



Date: 2.MAR.2025 16:25:17

3DH5-Ant1-Hop-PASS

3DH5-Ant1-Hop-PASS

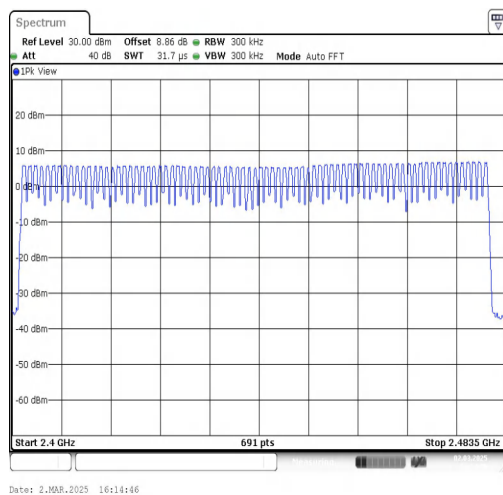


Appendix F: Number of hopping channels

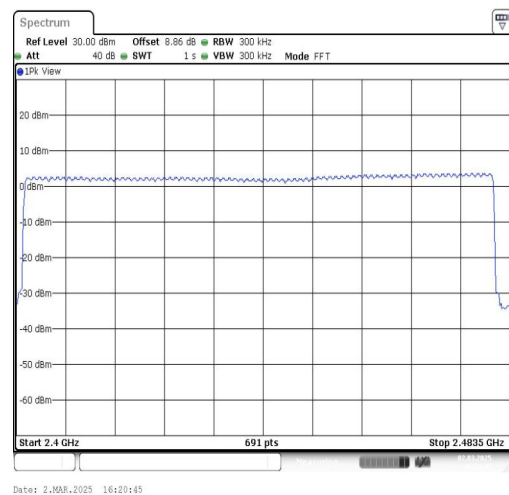
Test Result

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

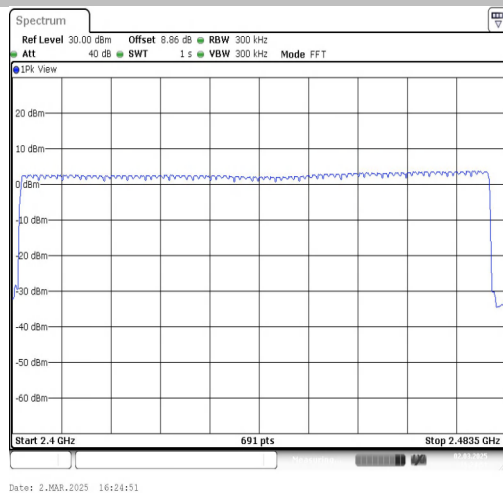
Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS



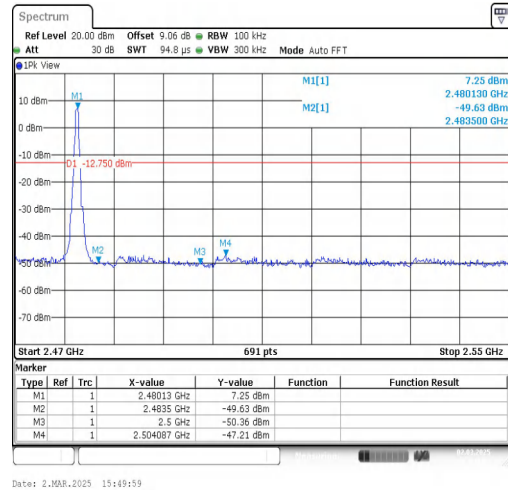
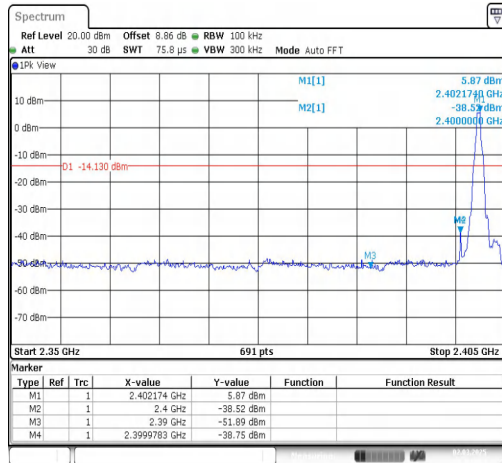
Appendix G: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Freq(MHz)	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	5.87	-38.75	≤ -14.13	PASS
DH5	Ant1	High	2480	7.25	-47.21	≤ -12.75	PASS
DH5	Ant1	Low	Hop_2402	5.42	-40.8	≤ -14.58	PASS
DH5	Ant1	High	Hop_2480	6.63	-46.99	≤ -13.37	PASS
2DH5	Ant1	Low	2402	2.38	-44.09	≤ -17.62	PASS
2DH5	Ant1	High	2480	3.93	-46.74	≤ -16.07	PASS
2DH5	Ant1	Low	Hop_2402	0.99	-45.67	≤ -19.01	PASS
2DH5	Ant1	High	Hop_2480	2.60	-46.93	≤ -17.4	PASS
3DH5	Ant1	Low	2402	2.50	-43.84	≤ -17.5	PASS
3DH5	Ant1	High	2480	3.85	-46.81	≤ -16.15	PASS
3DH5	Ant1	Low	Hop_2402	2.47	-47.32	≤ -17.53	PASS
3DH5	Ant1	High	Hop_2480	3.75	-47.49	≤ -16.25	PASS

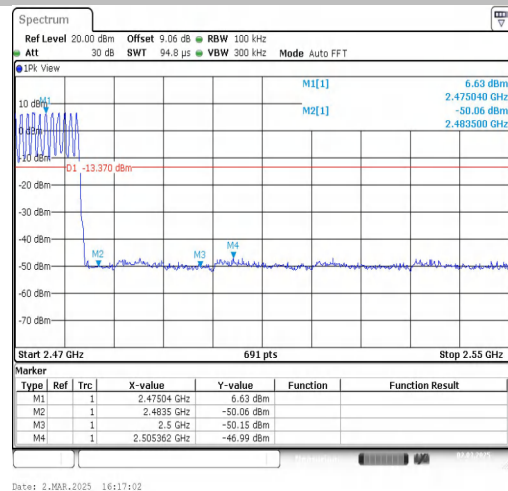
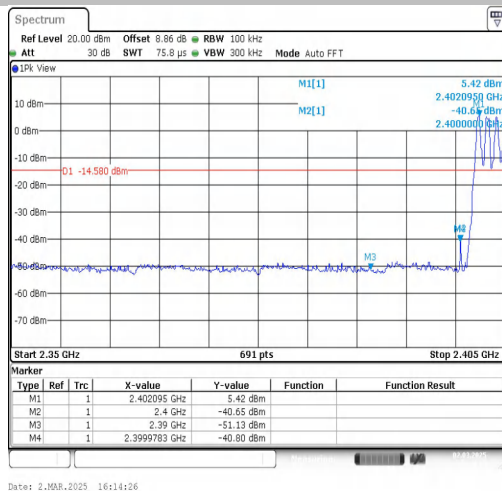


Test Graphs



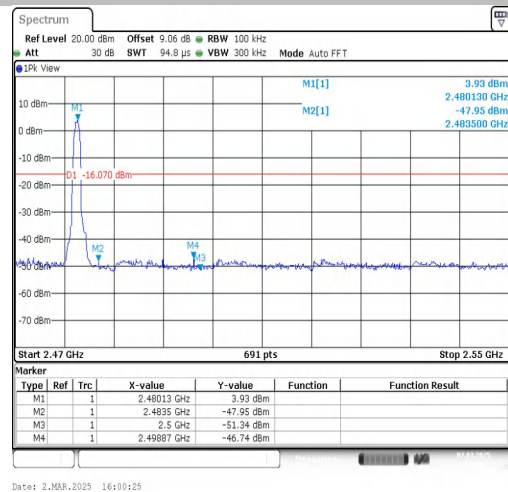
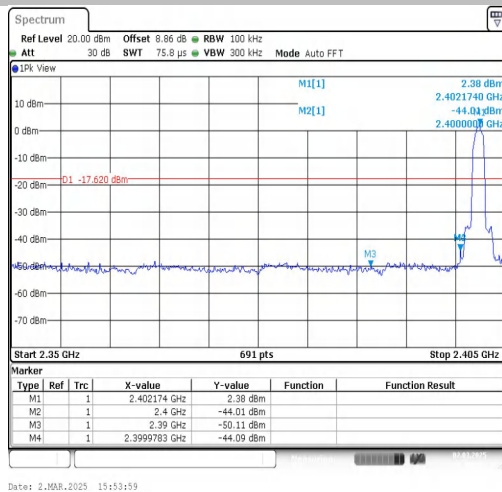
DH5-Ant1-2402-PASS

DH5-Ant1-2480-PASS



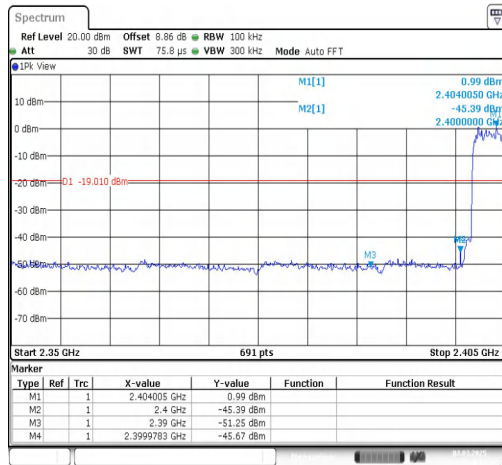
DH5-Ant1-Hop_2402-PASS

DH5-Ant1-Hop_2480-PASS

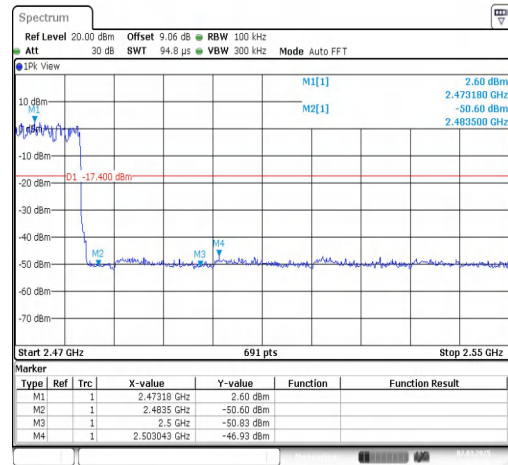


2DH5-Ant1-2402-PASS

2DH5-Ant1-2480-PASS

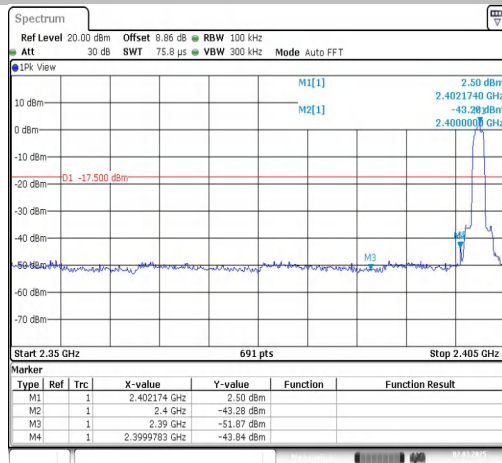


Date: 2.MAR.2025 16:19:18

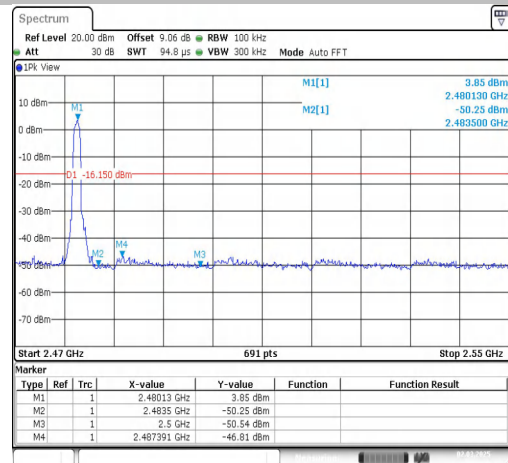


Date: 2.MAR.2025 16:22:36

2DH5-Ant1-Hop_2402-PASS



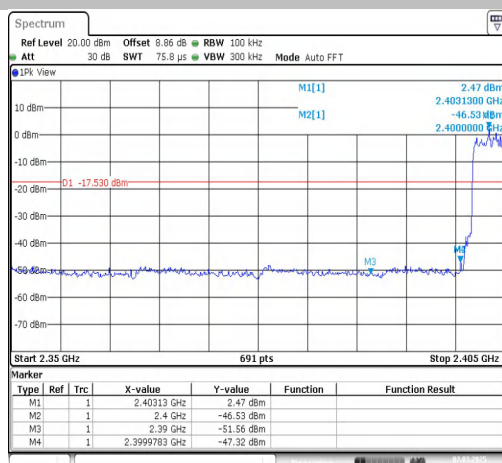
Date: 2.MAR.2025 16:02:17



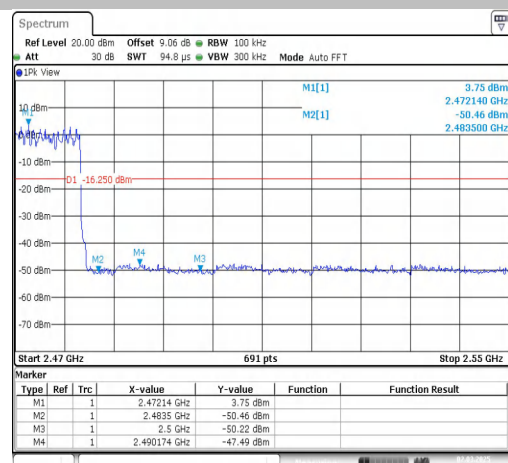
Date: 2.MAR.2025 16:05:48

2DH5-Ant1-Hop_2480-PASS

3DH5-Ant1-2402-PASS



Date: 2.MAR.2025 16:23:00



Date: 2.MAR.2025 16:27:05

3DH5-Ant1-2480-PASS

3DH5-Ant1-Hop_2402-PASS

3DH5-Ant1-Hop_2480-PASS



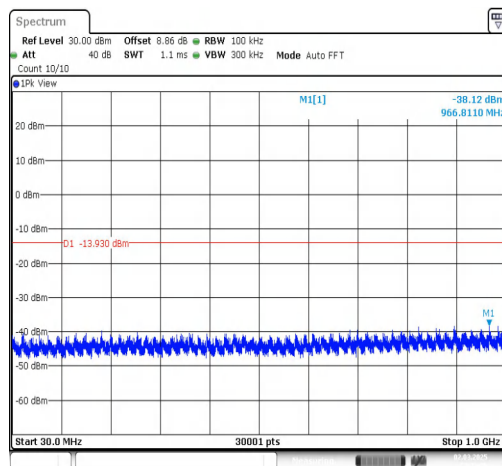
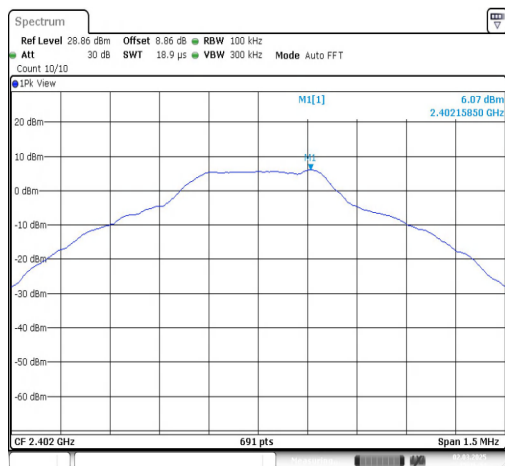
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Freq(MHz)	Freq Range [MHz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	6.07	6.07	---	PASS
DH5	Ant1	2402	30~1000	6.07	-38.12	≤ -13.93	PASS
DH5	Ant1	2402	1000~26500	6.07	-27.77	≤ -13.93	PASS
DH5	Ant1	2441	0~Reference	5.77	5.77	---	PASS
DH5	Ant1	2441	30~1000	5.77	-38.69	≤ -14.23	PASS
DH5	Ant1	2441	1000~26500	5.77	-27.48	≤ -14.23	PASS
DH5	Ant1	2480	0~Reference	7.27	7.27	---	PASS
DH5	Ant1	2480	30~1000	7.27	-39.06	≤ -12.73	PASS
DH5	Ant1	2480	1000~26500	7.27	-27.64	≤ -12.73	PASS
2DH5	Ant1	2402	0~Reference	2.61	2.61	---	PASS
2DH5	Ant1	2402	30~1000	2.61	-39.12	≤ -17.39	PASS
2DH5	Ant1	2402	1000~26500	2.61	-27.04	≤ -17.39	PASS
2DH5	Ant1	2441	0~Reference	2.31	2.31	---	PASS
2DH5	Ant1	2441	30~1000	2.31	-37.2	≤ -17.69	PASS
2DH5	Ant1	2441	1000~26500	2.31	-27.04	≤ -17.69	PASS
2DH5	Ant1	2480	0~Reference	3.90	3.90	---	PASS
2DH5	Ant1	2480	30~1000	3.90	-38.71	≤ -16.1	PASS
2DH5	Ant1	2480	1000~26500	3.90	-27.94	≤ -16.1	PASS
3DH5	Ant1	2402	0~Reference	2.60	2.60	---	PASS
3DH5	Ant1	2402	30~1000	2.60	-38.63	≤ -17.4	PASS
3DH5	Ant1	2402	1000~26500	2.60	-27.45	≤ -17.4	PASS
3DH5	Ant1	2441	0~Reference	2.33	2.33	---	PASS
3DH5	Ant1	2441	30~1000	2.33	-38.89	≤ -17.67	PASS
3DH5	Ant1	2441	1000~26500	2.33	-27.75	≤ -17.67	PASS
3DH5	Ant1	2480	0~Reference	3.89	3.89	---	PASS
3DH5	Ant1	2480	30~1000	3.89	-38.16	≤ -16.11	PASS
3DH5	Ant1	2480	1000~26500	3.89	-27.94	≤ -16.11	PASS

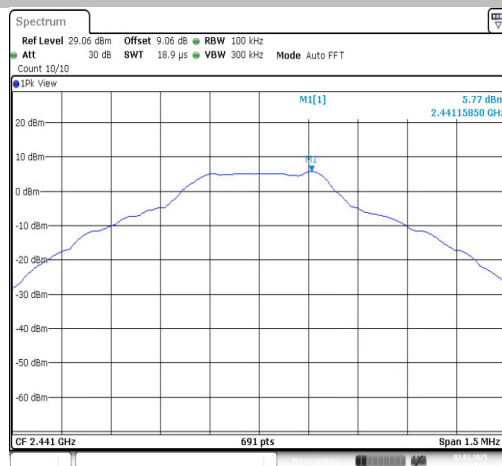
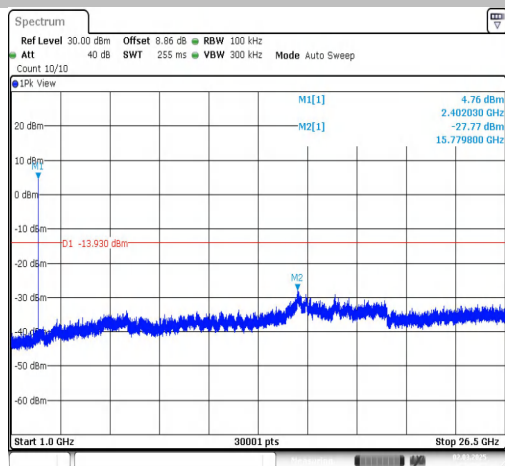


Test Graphs



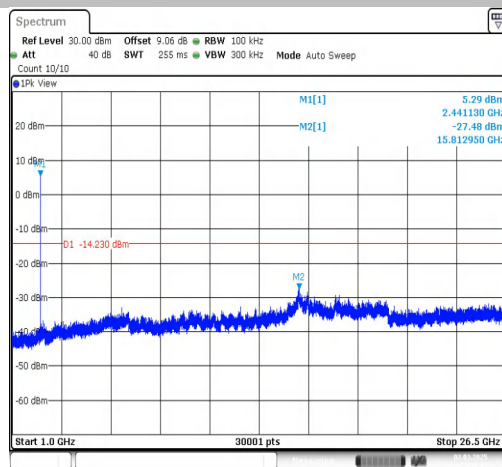
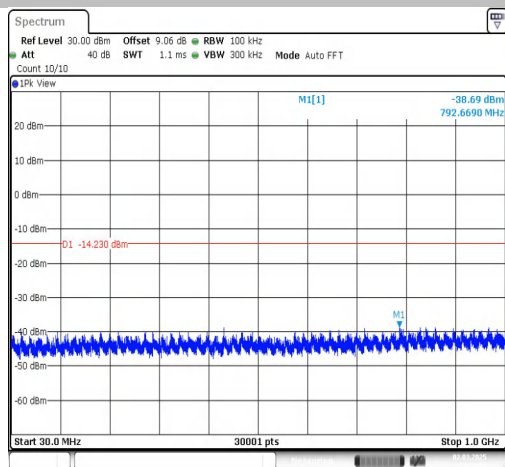
DH5-Ant1-2402-0~Reference-PASS

DH5-Ant1-2402-30~1000-PASS



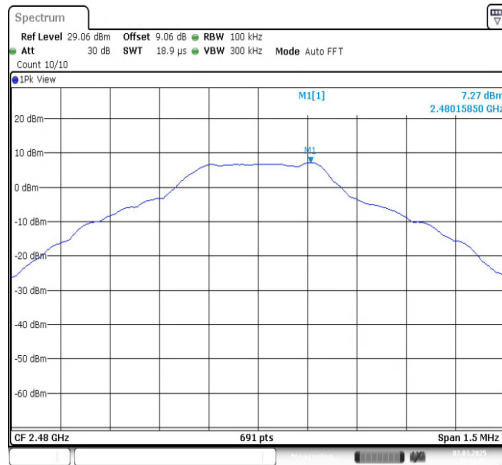
DH5-Ant1-2402-1000~26500-PASS

DH5-Ant1-2441-0~Reference-PASS

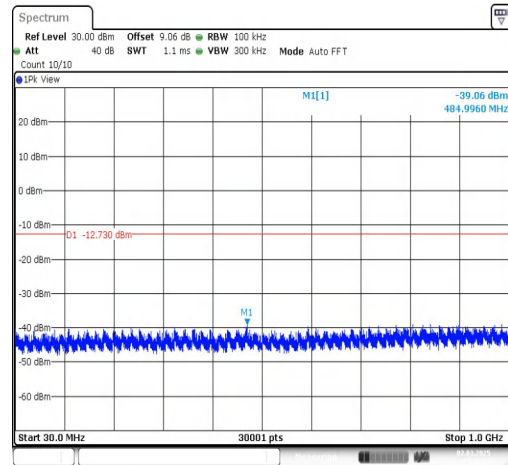


DH5-Ant1-2441-30~1000-PASS

DH5-Ant1-2441-1000~26500-PASS



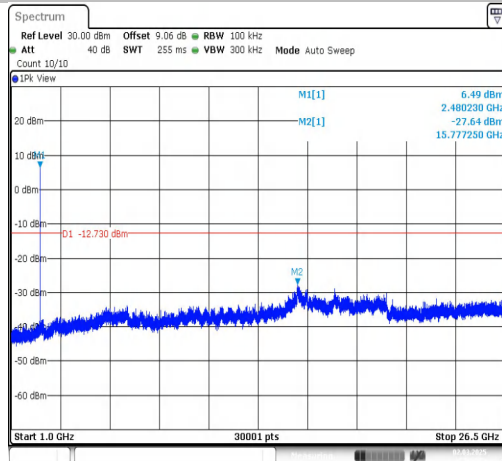
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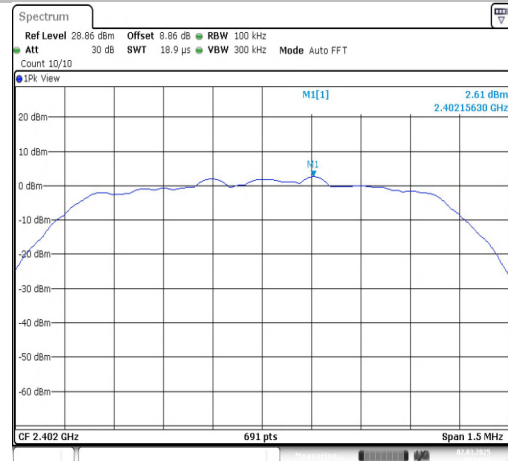
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DH5-Ant1-2480-0~Reference-PASS

DH5-Ant1-2480-30~1000-PASS



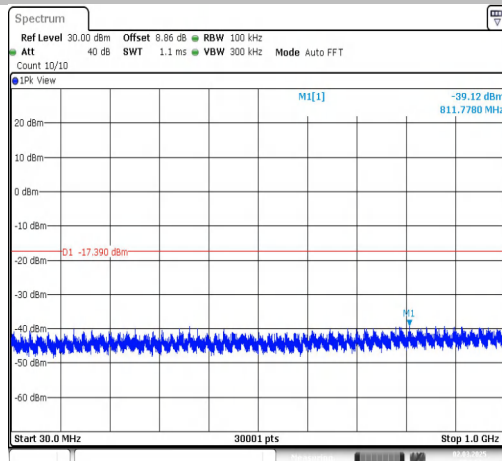
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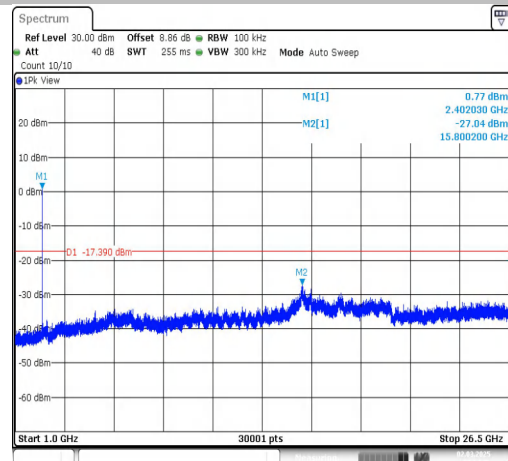
Date: 2.MAR.2025 15:54:08

DH5-Ant1-2480-1000~26500-PASS

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



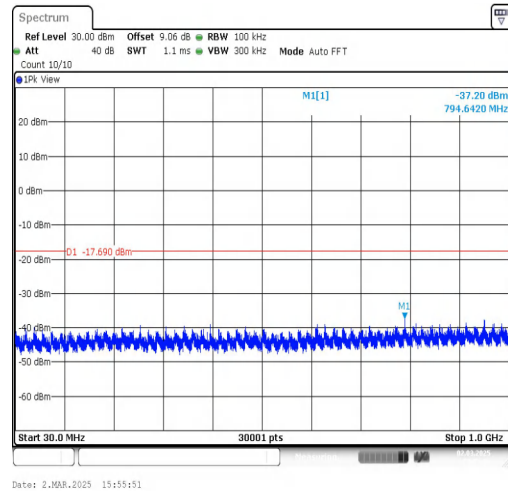
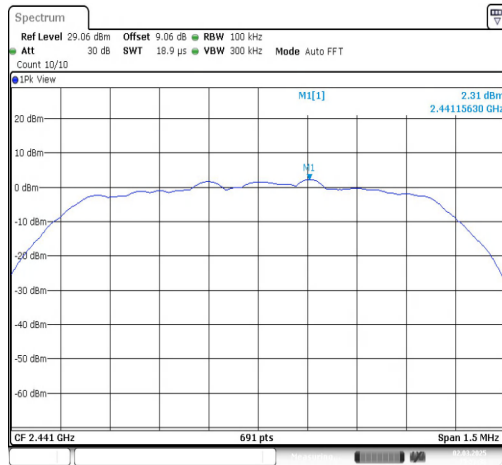
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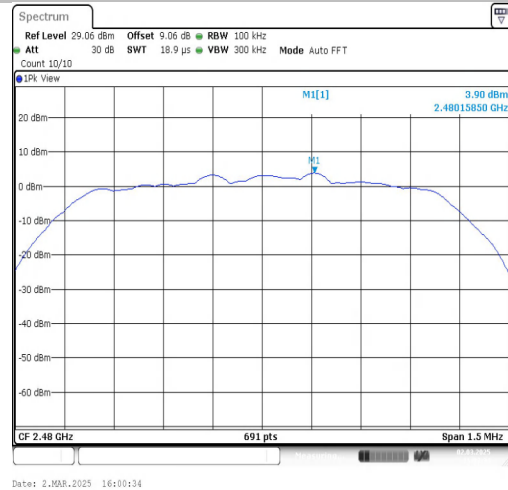
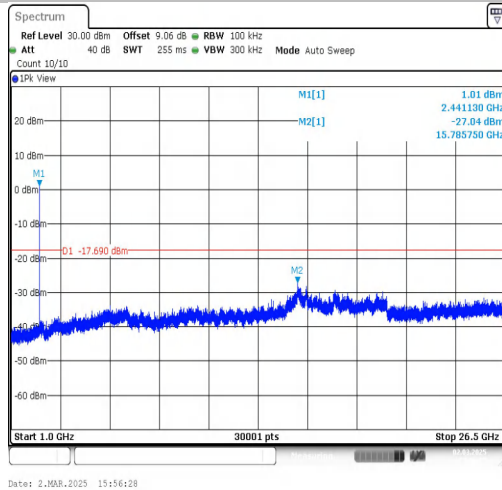
2DH5-Ant1-2402-30~1000-PASS

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



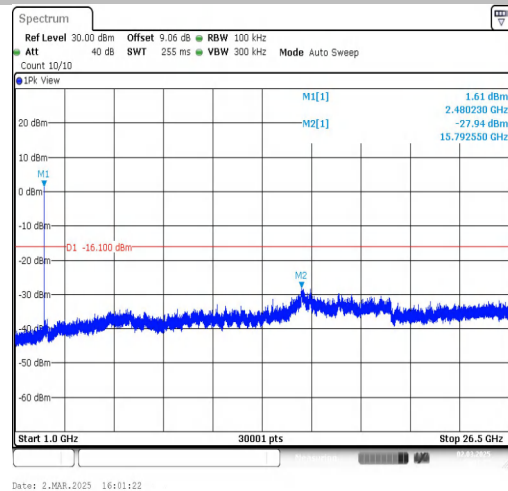
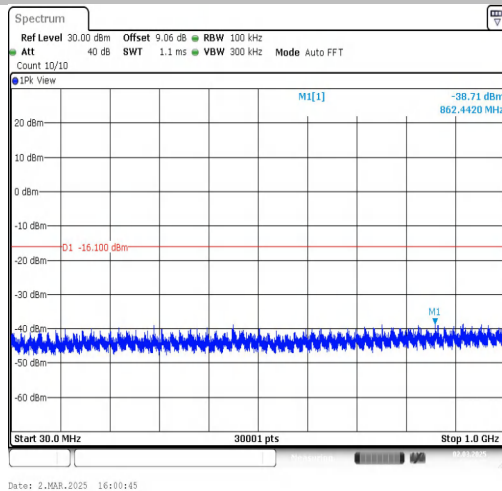
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2DH5-Ant1-2441-30~1000-PASS



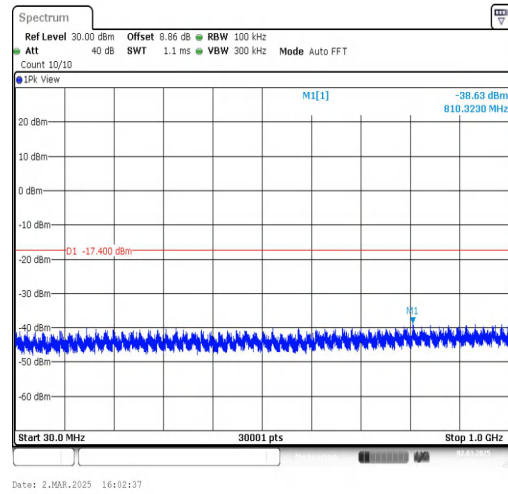
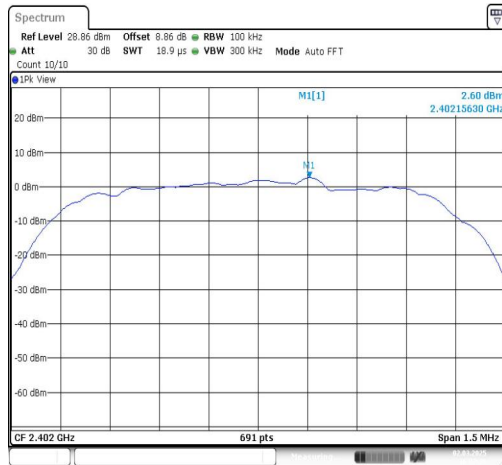
2DH5-Ant1-2441-1000~26500-PASS

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



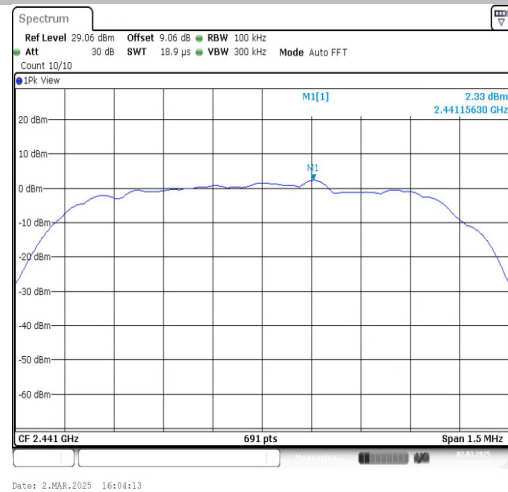
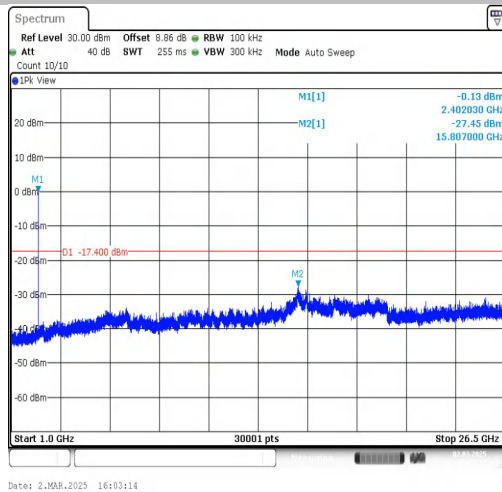
2DH5-Ant1-2480-30~1000-PASS

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



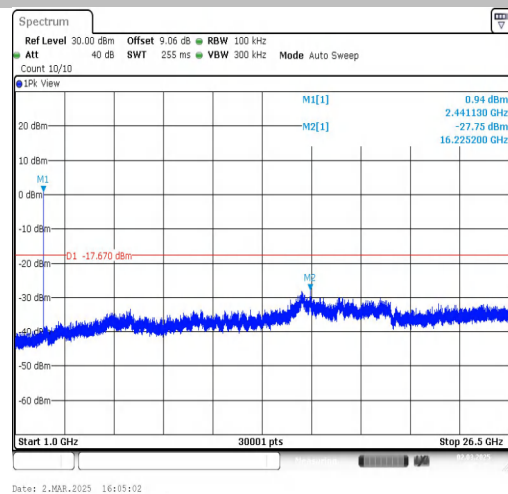
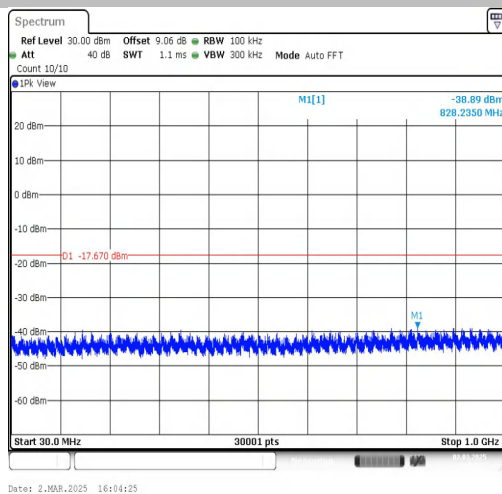
3DH5-Ant1-2402-0~Reference-PASS

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



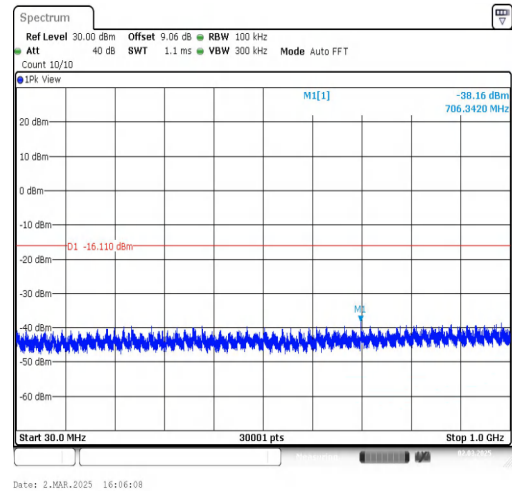
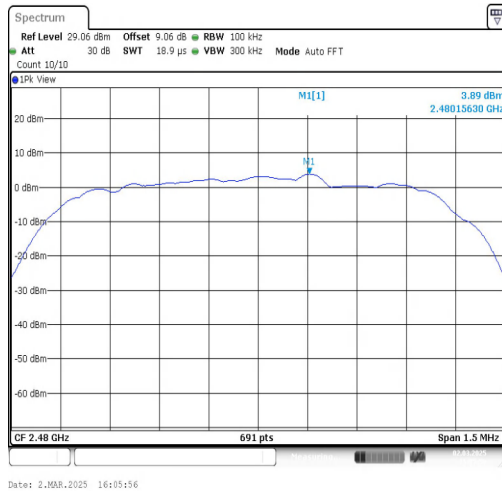
3DH5-Ant1-2402-1000~26500-PASS

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



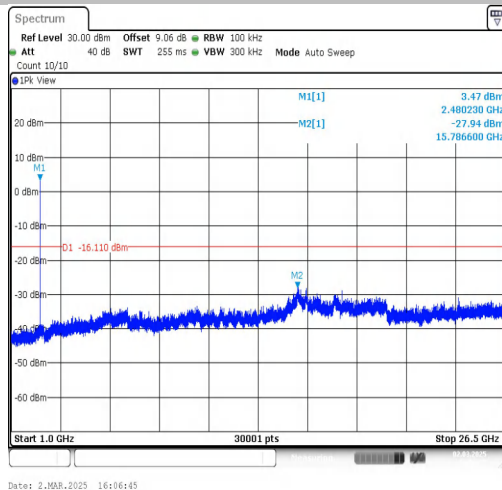
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3DH5-Ant1-2441-1000~26500-PASS



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

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



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



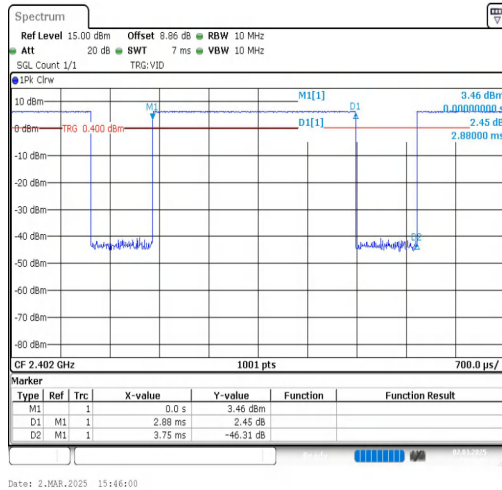
Appendix I: Duty Cycle

Test Result

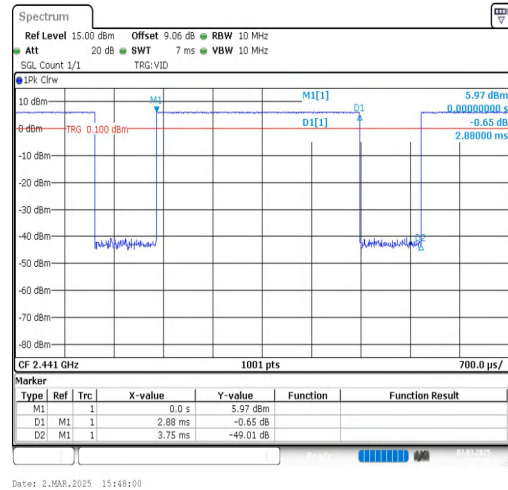
Test Mode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	DC Factor (dB)
DH5	Ant1	2402	2.88	3.75	76.80	1.15
DH5	Ant1	2441	2.88	3.75	76.80	1.15
DH5	Ant1	2480	2.88	3.75	76.80	1.15
2DH5	Ant1	2402	2.88	3.75	76.80	1.15
2DH5	Ant1	2441	2.88	3.75	76.80	1.15
2DH5	Ant1	2480	2.87	3.74	76.74	1.15
3DH5	Ant1	2402	2.88	3.75	76.80	1.15
3DH5	Ant1	2441	2.88	3.76	76.60	1.16
3DH5	Ant1	2480	2.88	3.75	76.80	1.15



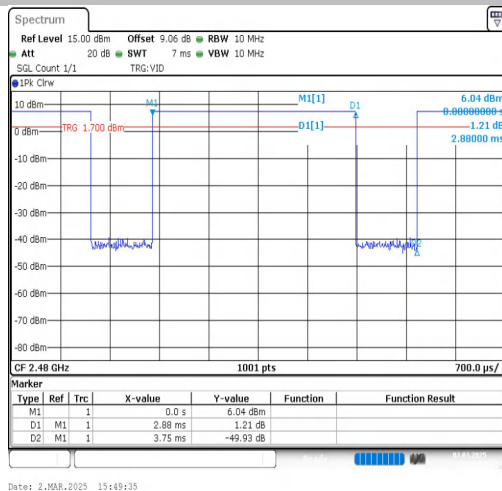
Test Graphs



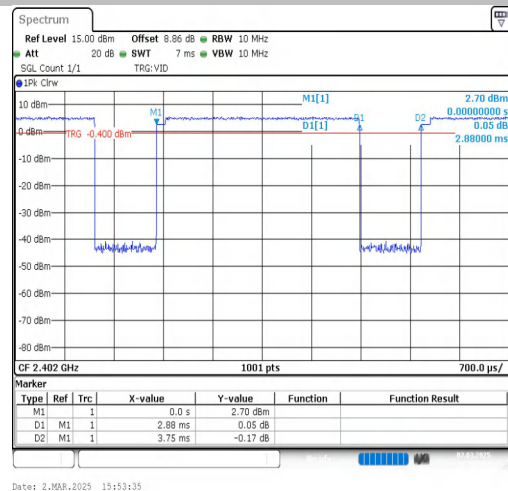
NTNV-DH5-Ant1-2402



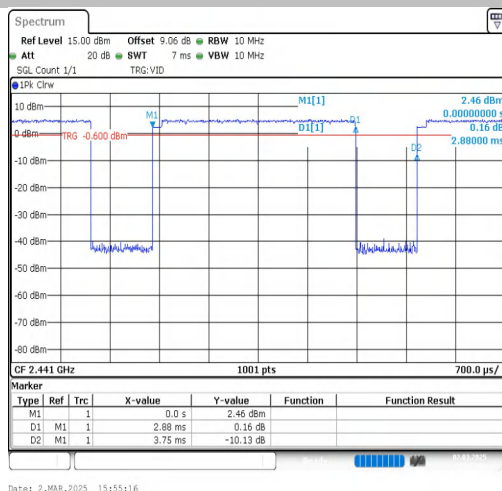
NTNV-DH5-Ant1-2441



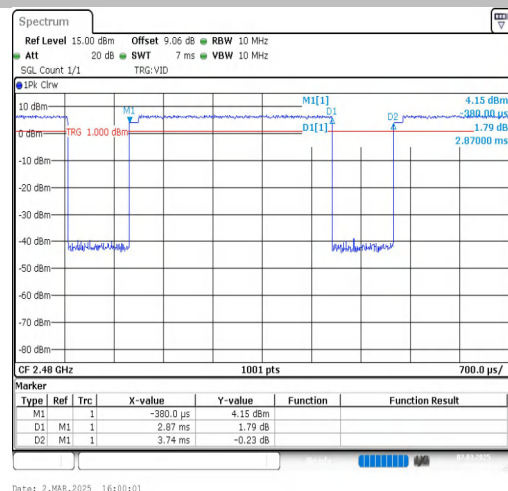
NTNV-DH5-Ant1-2480



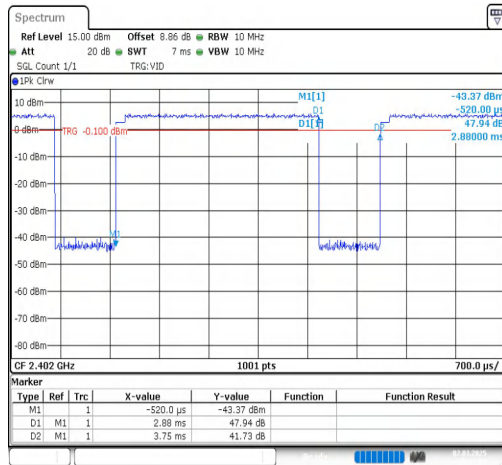
NTNV-2DH5-Ant1-2402



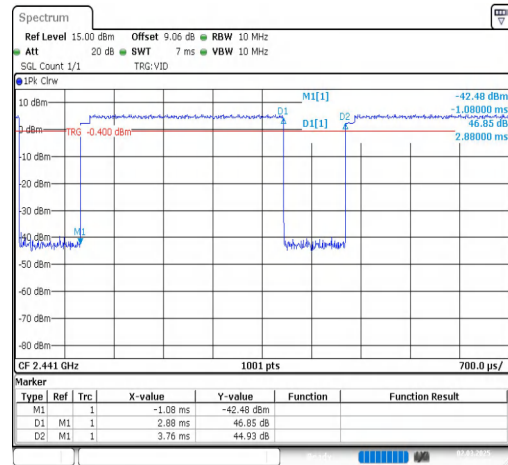
NTNV-2DH5-Ant1-2441



NTNV-2DH5-Ant1-2480



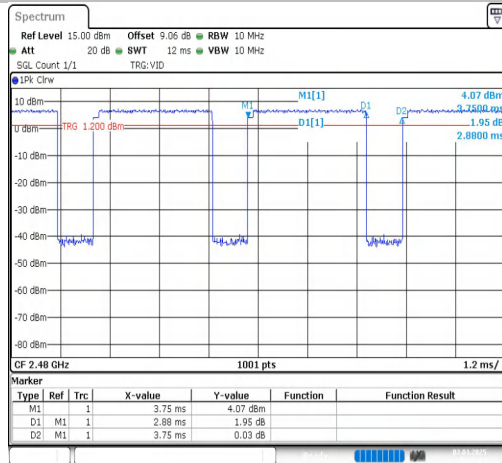
Date: 2.MAR.2025 16:01:53



Date: 2.MAR.2025 16:03:50

NTNV-3DH5-Ant1-2402

NTNV-3DH5-Ant1-2441



Date: 2.MAR.2025 16:05:23

NTNV-3DH5-Ant1-2480

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