



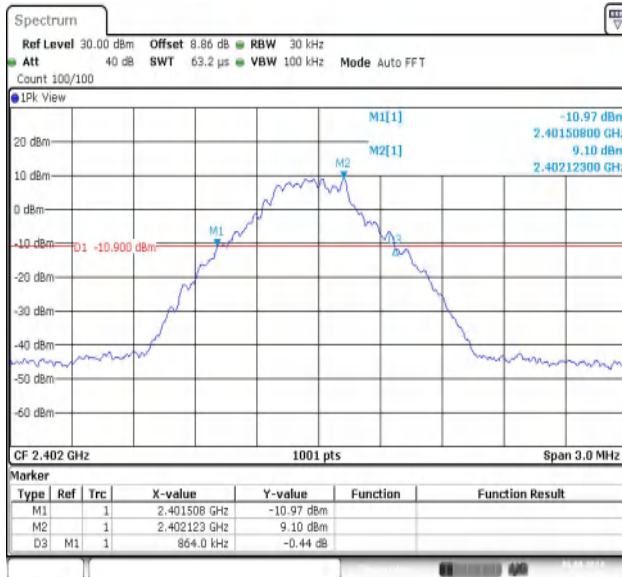
Appendix A: 20dB Emission Bandwidth

Test Result

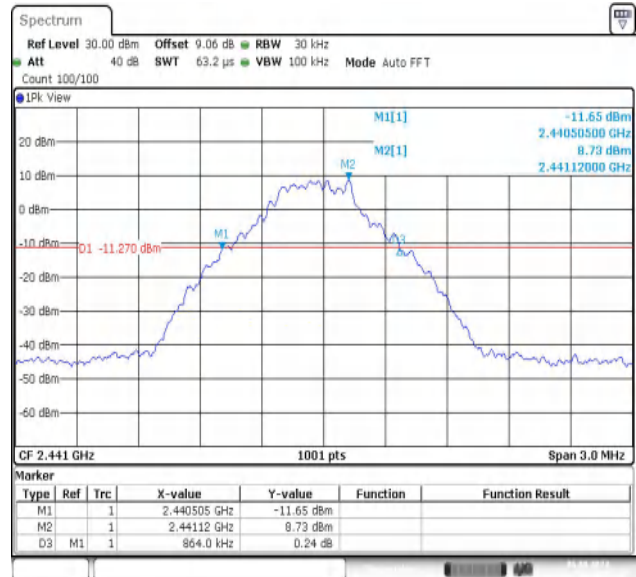
Test Mode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86	2401.51	2402.37	---	---
DH5	Ant1	2441	0.86	2440.51	2441.37	---	---
DH5	Ant1	2480	0.86	2479.51	2480.37	---	---
2DH5	Ant1	2402	1.26	2401.33	2402.59	---	---
2DH5	Ant1	2441	1.26	2440.33	2441.59	---	---
2DH5	Ant1	2480	1.26	2479.33	2480.59	---	---
3DH5	Ant1	2402	1.26	2401.32	2402.58	---	---
3DH5	Ant1	2441	1.26	2440.32	2441.58	---	---
3DH5	Ant1	2480	1.26	2479.32	2480.58	---	---



Test Graphs



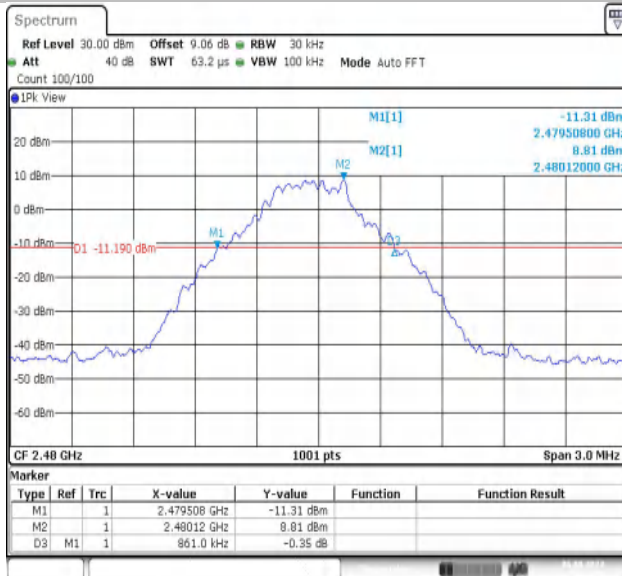
Date: 6.SEP.2024 16:42:39



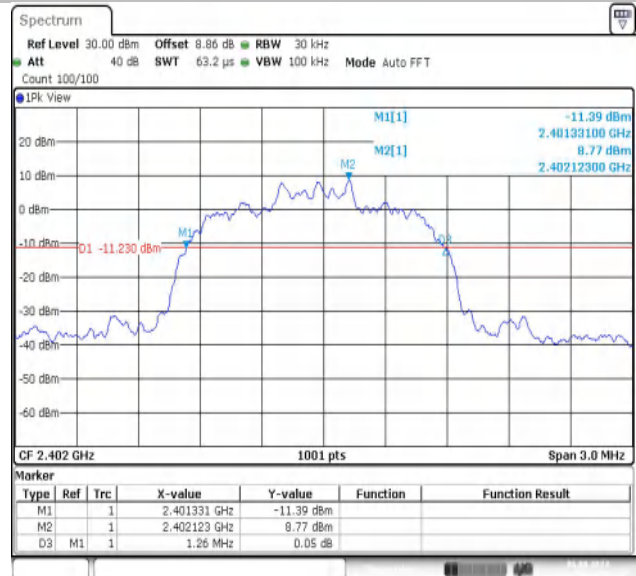
Date: 6.SEP.2024 16:44:32

DH5-Ant1-2402

DH5-Ant1-2441



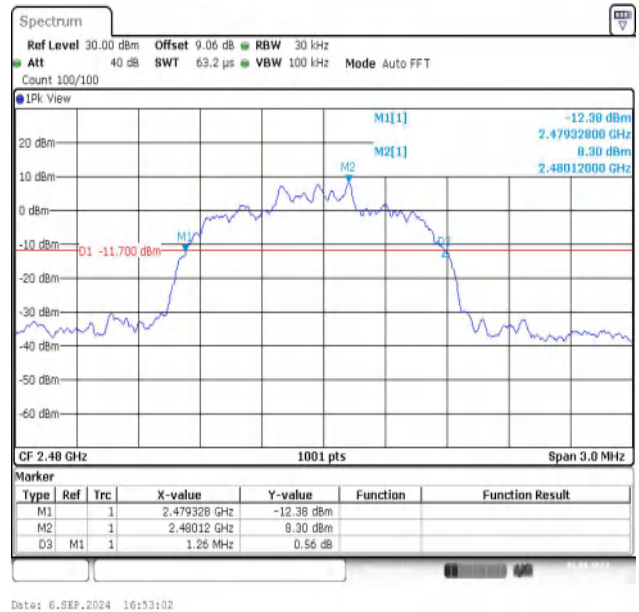
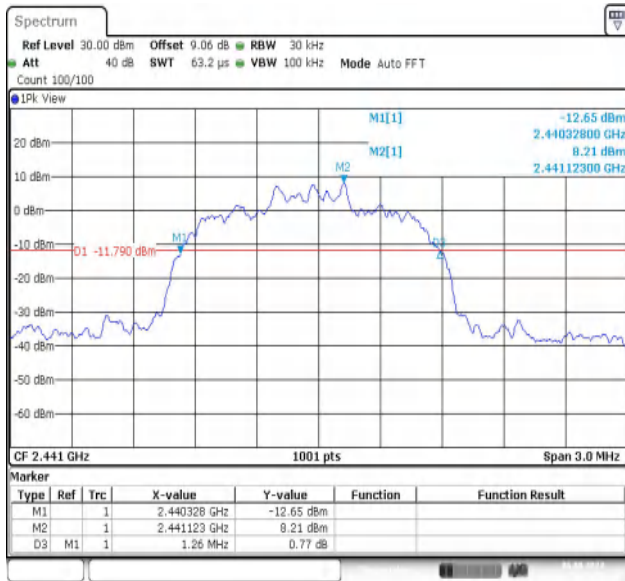
Date: 6.SEP.2024 16:46:34



Date: 6.SEP.2024 16:48:28

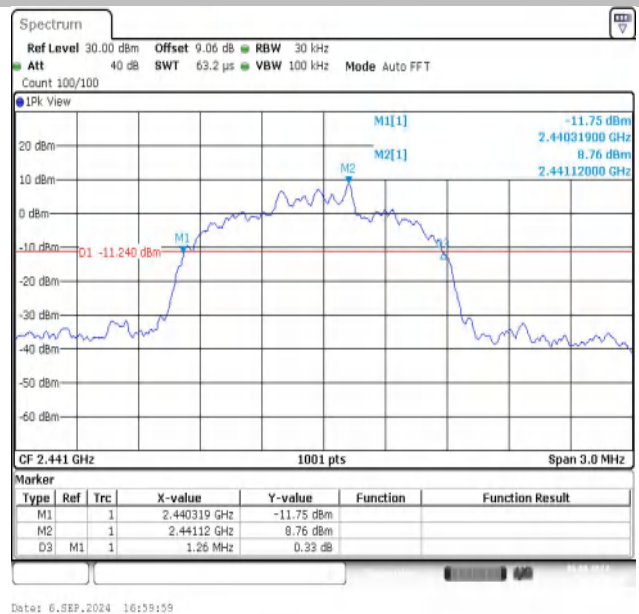
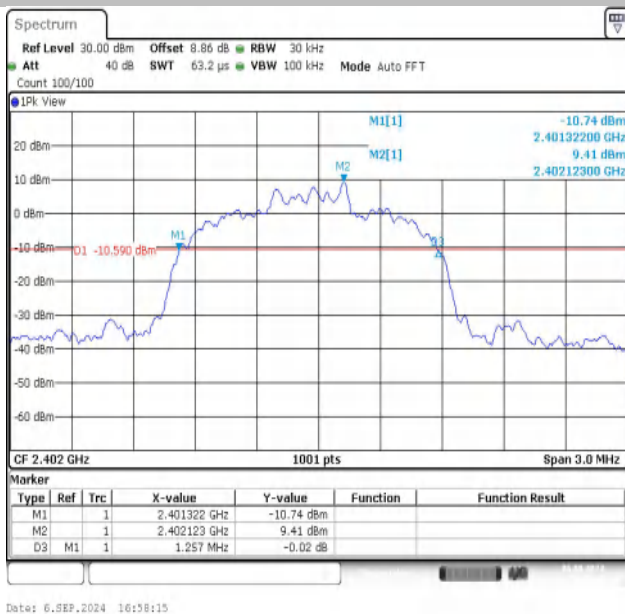
DH5-Ant1-2480

2DH5-Ant1-2402



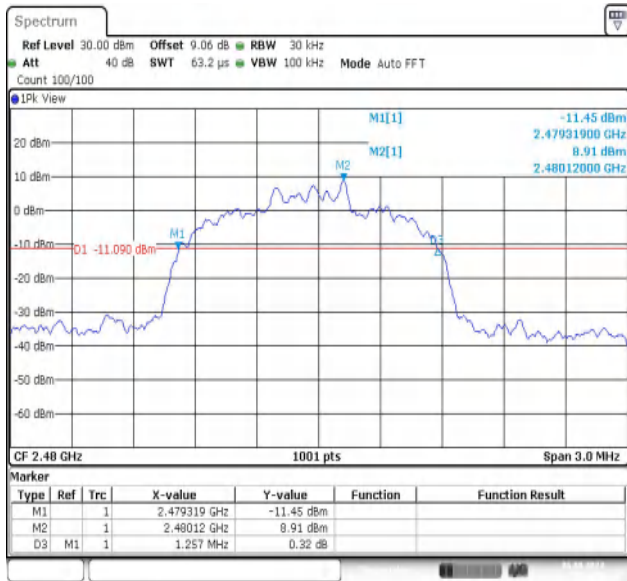
2DH5-Ant1-2441

2DH5-Ant1-2480



3DH5-Ant1-2402

3DH5-Ant1-2441



Date: 6.SEP.2024 17:01:33

3DH5-Ant1-2480



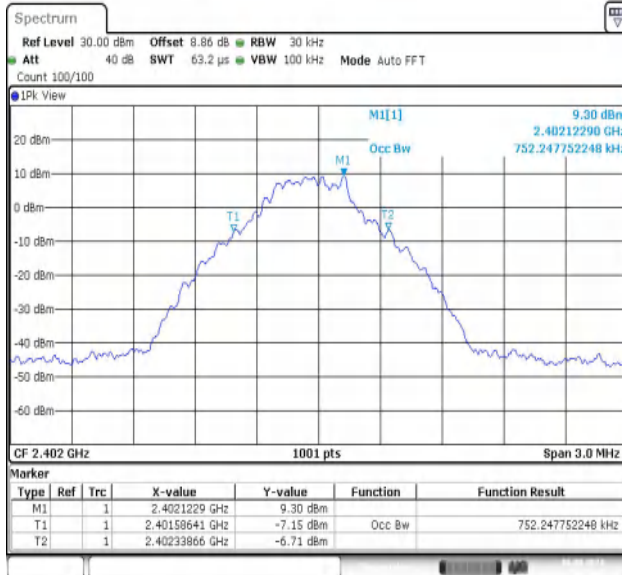
Appendix B: Occupied Channel Bandwidth

Test Result

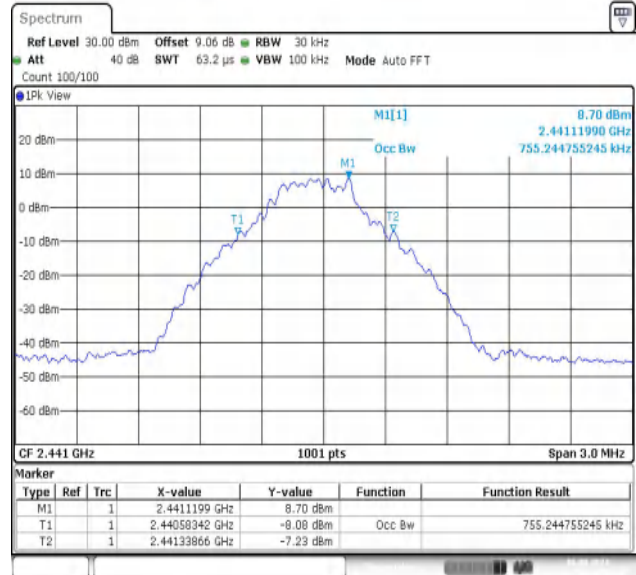
Test Mode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.752	2401.5864	2402.3387	---	---
DH5	Ant1	2441	0.755	2440.5834	2441.3387	---	---
DH5	Ant1	2480	0.755	2479.5834	2480.3387	---	---
2DH5	Ant1	2402	1.145	2401.3826	2402.5275	---	---
2DH5	Ant1	2441	1.145	2440.3826	2441.5275	---	---
2DH5	Ant1	2480	1.148	2479.3796	2480.5275	---	---
3DH5	Ant1	2402	1.148	2401.3856	2402.5335	---	---
3DH5	Ant1	2441	1.148	2440.3856	2441.5335	---	---
3DH5	Ant1	2480	1.148	2479.3856	2480.5335	---	---



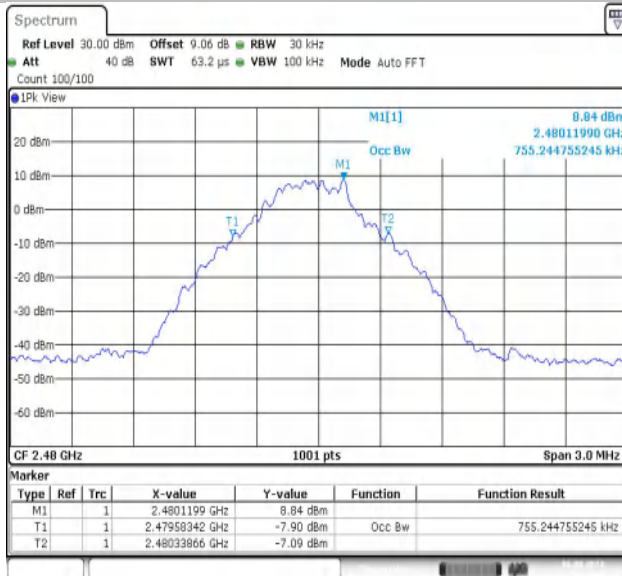
Test Graphs



DH5-Ant1-2402



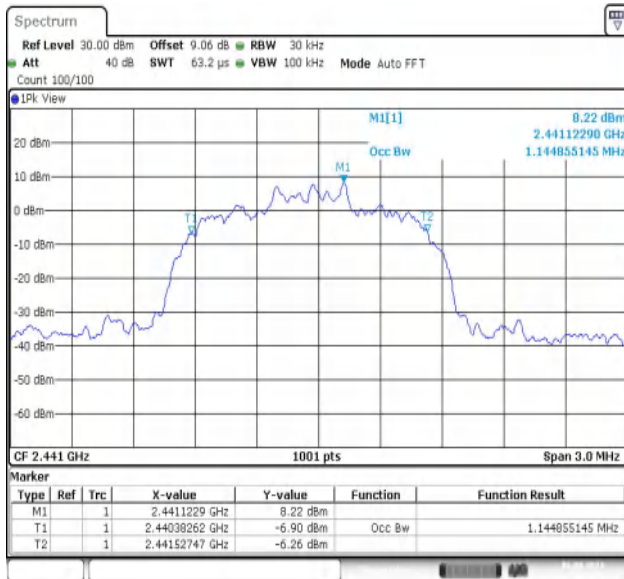
DH5-Ant1-2441



DH5-Ant1-2480

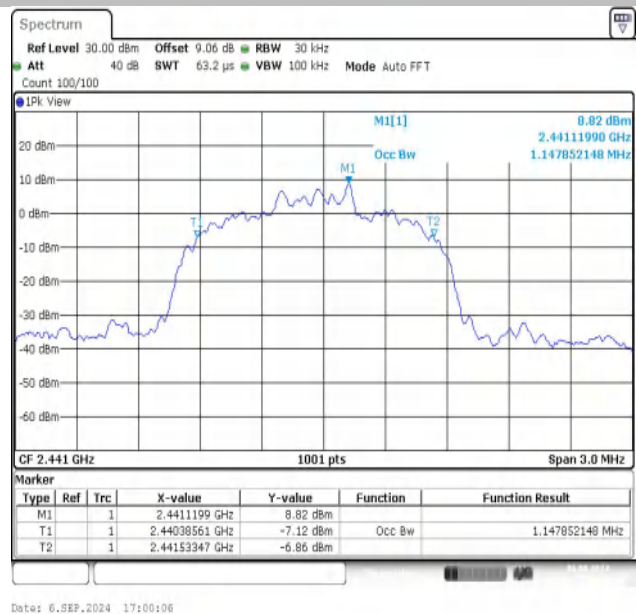
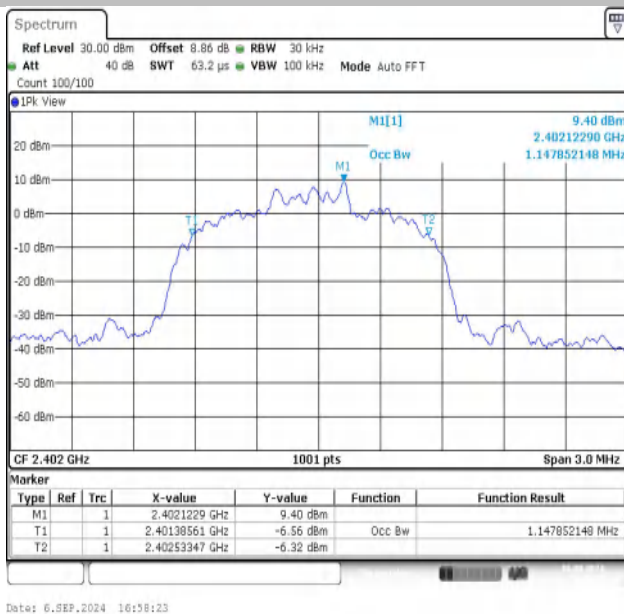


2DH5-Ant1-2402



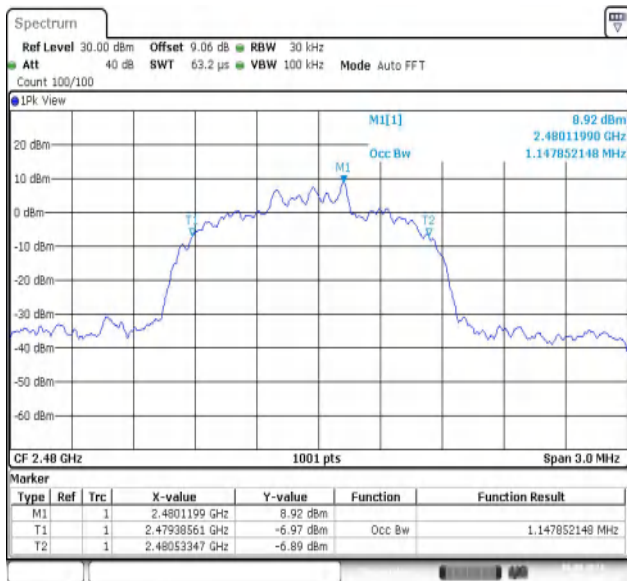
2DH5-Ant1-2441

2DH5-Ant1-2480



3DH5-Ant1-2402

3DH5-Ant1-2441



Date: 6.SEP.2024 17:01:40

3DH5-Ant1-2480



Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Peak Power [dBm]	Peak Power Limit [dBm]	Verdict
DH5	Ant1	2402	11.96	≤30.00	PASS
DH5	Ant1	2441	11.40	≤30.00	PASS
DH5	Ant1	2480	11.35	≤30.00	PASS
2DH5	Ant1	2402	11.81	≤20.97	PASS
2DH5	Ant1	2441	11.27	≤20.97	PASS
2DH5	Ant1	2480	11.37	≤20.97	PASS
3DH5	Ant1	2402	11.79	≤20.97	PASS
3DH5	Ant1	2441	11.25	≤20.97	PASS
3DH5	Ant1	2480	11.40	≤20.97	PASS



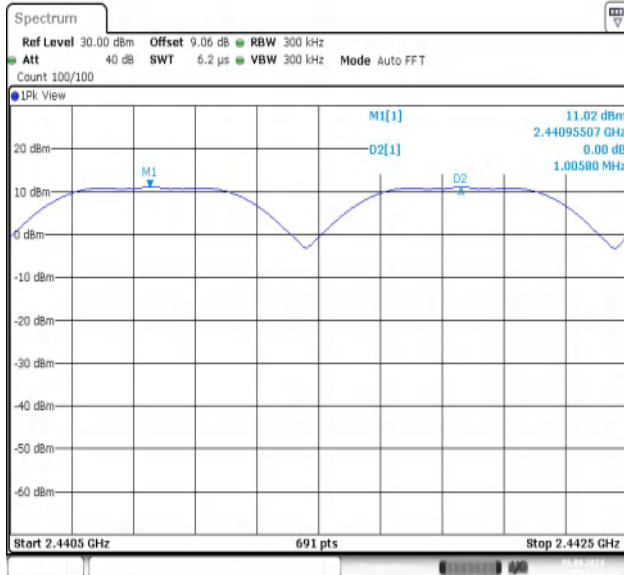
Appendix D: Carrier frequency separation

Test Result

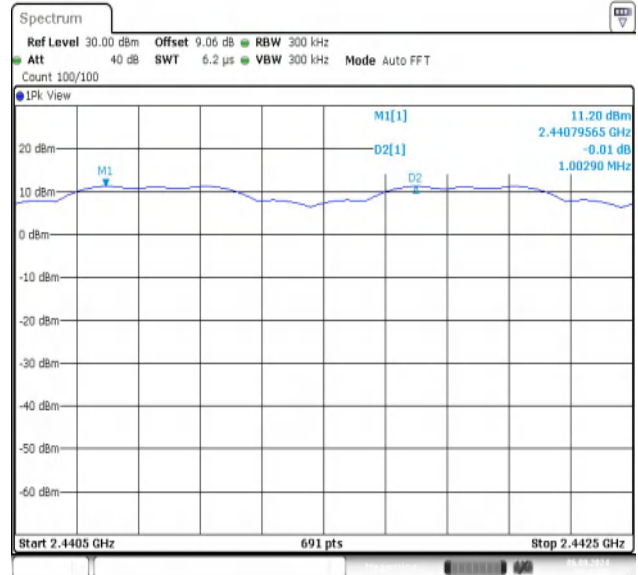
Test Mode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.006	≥ 0.860	PASS
2DH5	Ant1	Hop	1.003	≥ 0.840	PASS
3DH5	Ant1	Hop	1	≥ 0.840	PASS



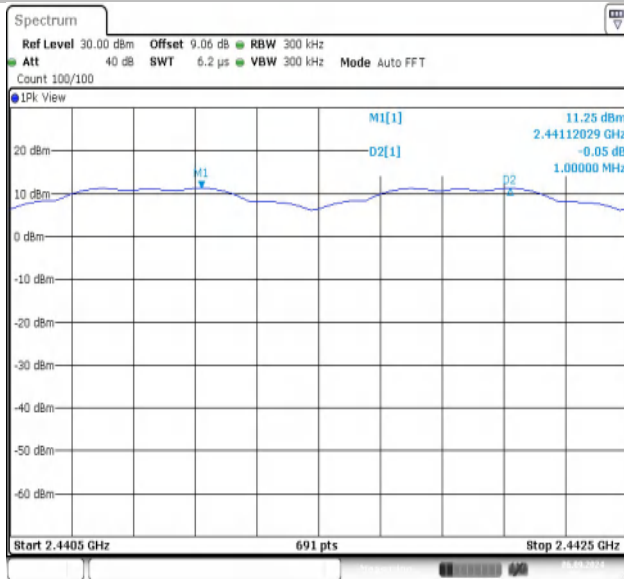
Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS



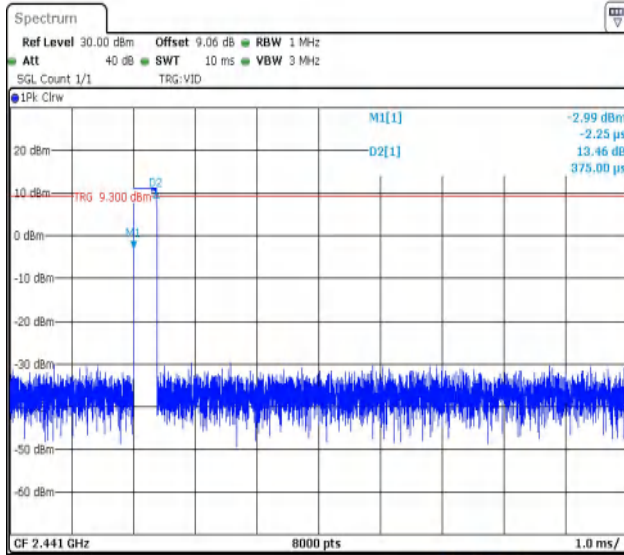
Appendix E: Time of occupancy

Test Result

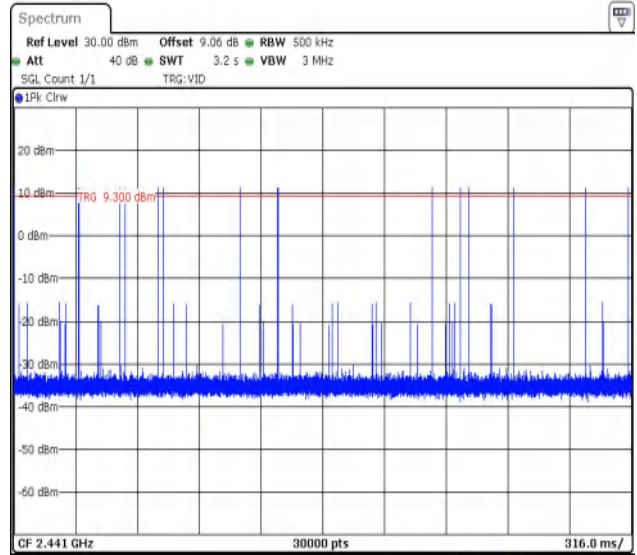
Test Mode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.375	140	0.053	≤0.4	PASS
DH3	Ant1	Hop	1.623	150	0.243	≤0.4	PASS
DH5	Ant1	Hop	2.863	90	0.258	≤0.4	PASS
2DH1	Ant1	Hop	0.381	150	0.057	≤0.4	PASS
2DH3	Ant1	Hop	1.625	150	0.244	≤0.4	PASS
2DH5	Ant1	Hop	2.867	60	0.172	≤0.4	PASS
3DH1	Ant1	Hop	0.383	160	0.061	≤0.4	PASS
3DH3	Ant1	Hop	1.624	140	0.227	≤0.4	PASS
3DH5	Ant1	Hop	2.869	80	0.23	≤0.4	PASS



Test Graphs



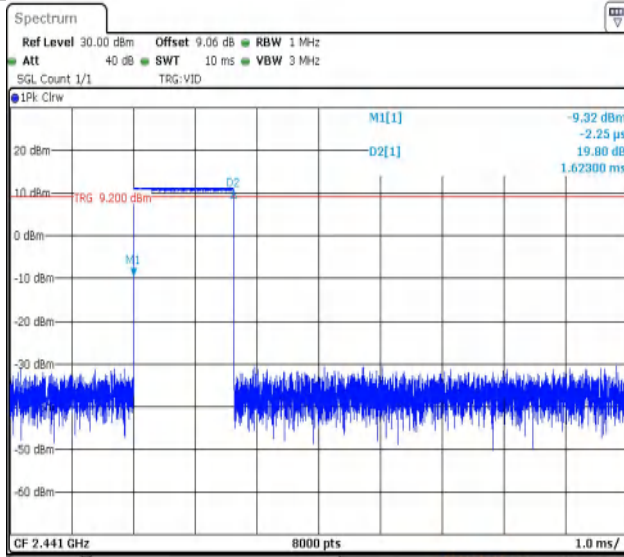
Date: 6.SEP.2024 17:09:07



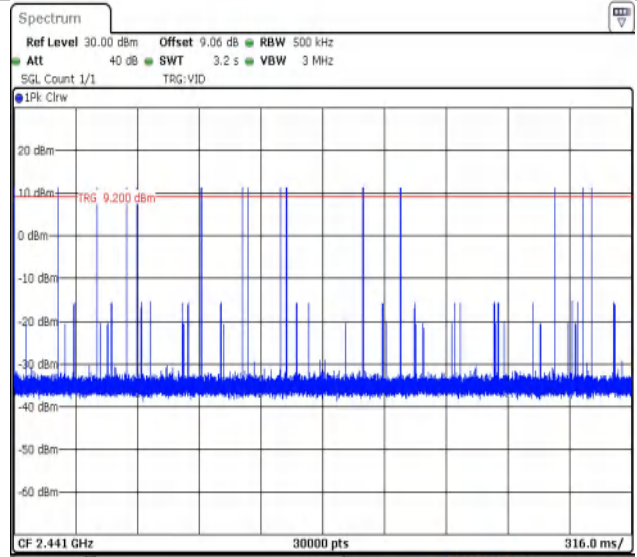
Date: 6.SEP.2024 17:09:12

DH1-Ant1-Hop-PASS

DH1-Ant1-Hop-PASS



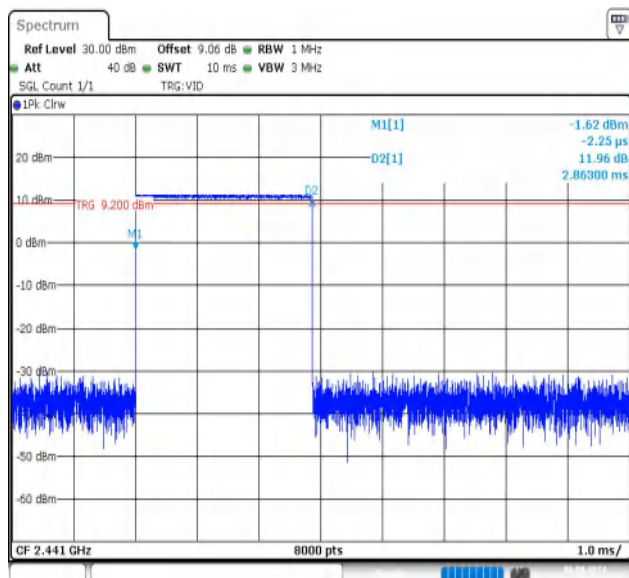
Date: 6.SEP.2024 17:09:47



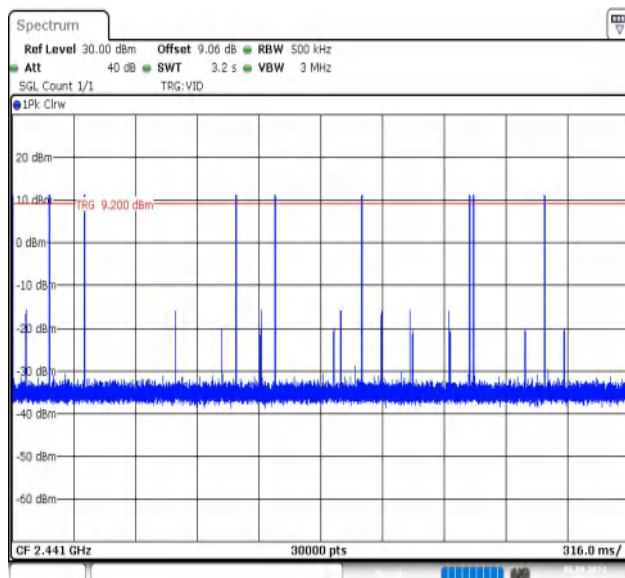
Date: 6.SEP.2024 17:09:52

DH3-Ant1-Hop-PASS

DH3-Ant1-Hop-PASS



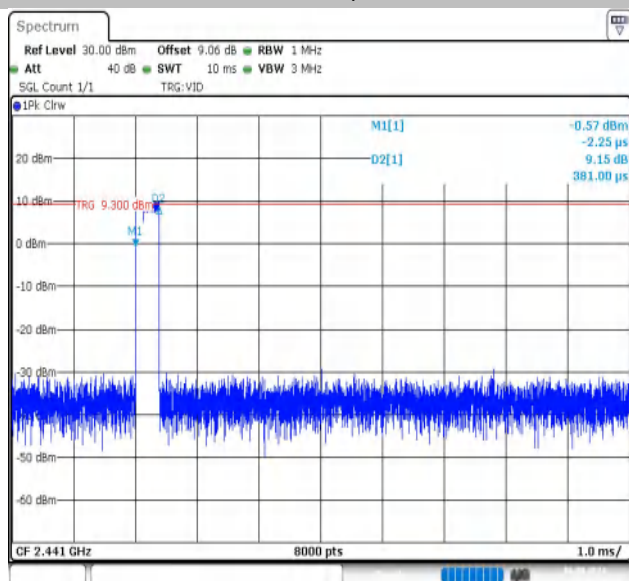
Date: 6.SEP.2024 17:08:02



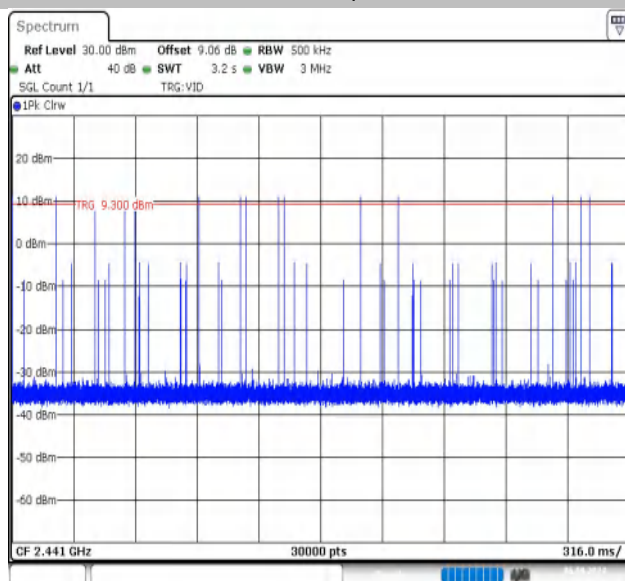
Date: 6.SEP.2024 17:08:07

DH5-Ant1-Hop-PASS

DH5-Ant1-Hop-PASS



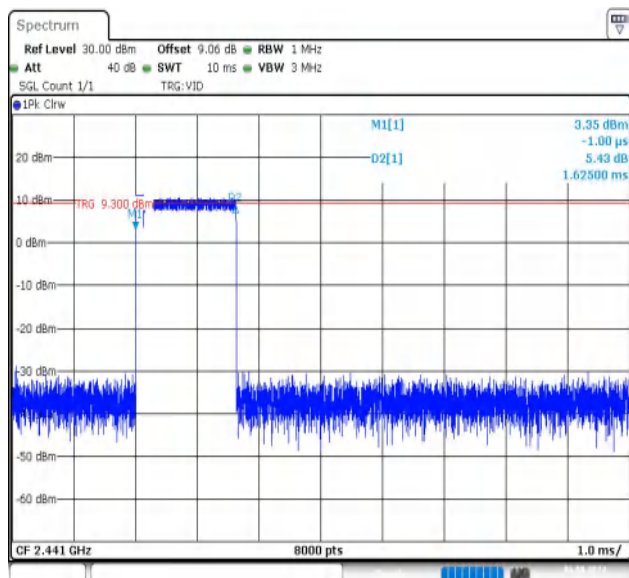
Date: 6.SEP.2024 17:15:59



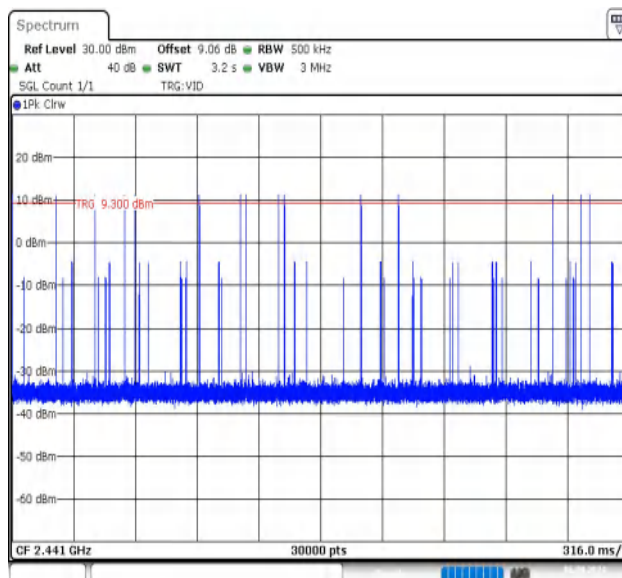
Date: 6.SEP.2024 17:16:05

2DH1-Ant1-Hop-PASS

2DH1-Ant1-Hop-PASS



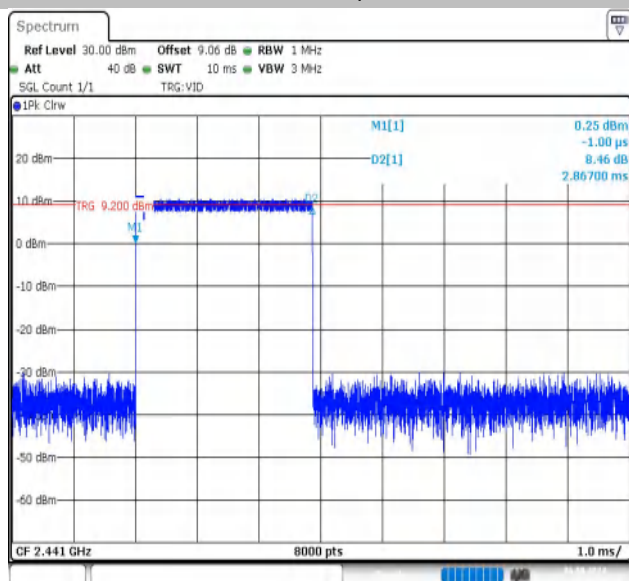
Date: 6.SEP.2024 17:17:02



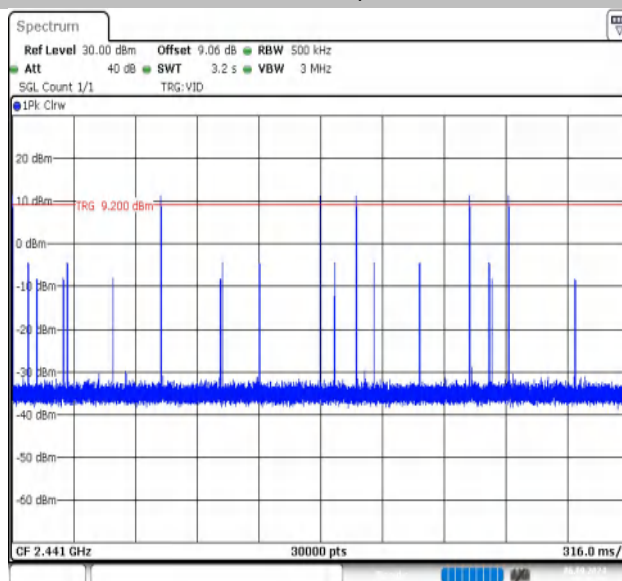
Date: 6.SEP.2024 17:17:07

2DH3-Ant1-Hop-PASS

2DH3-Ant1-Hop-PASS



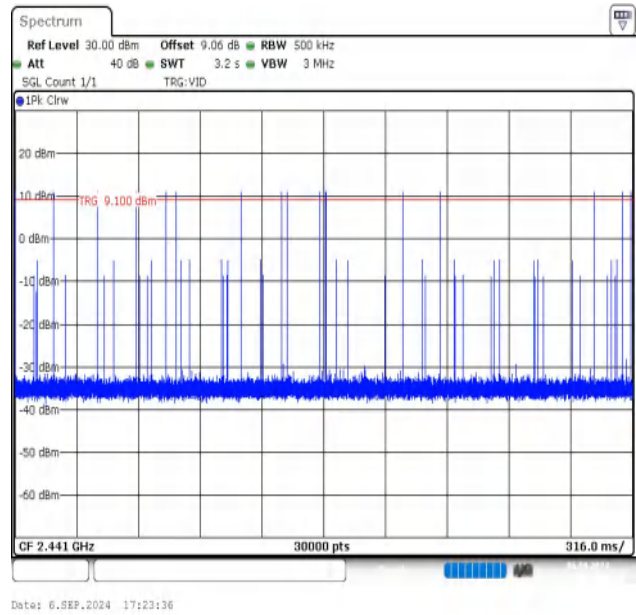
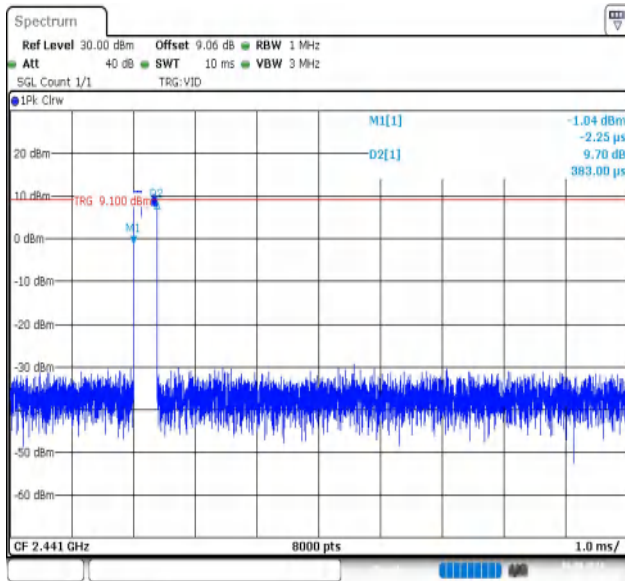
Date: 6.SEP.2024 17:15:13



Date: 6.SEP.2024 17:15:18

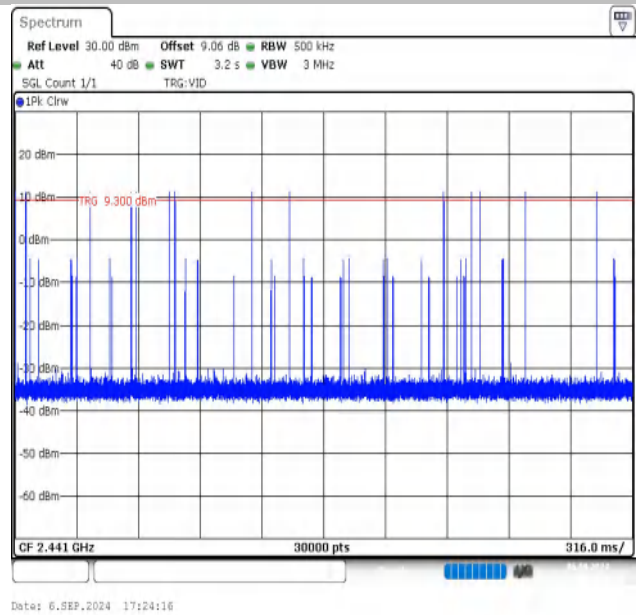
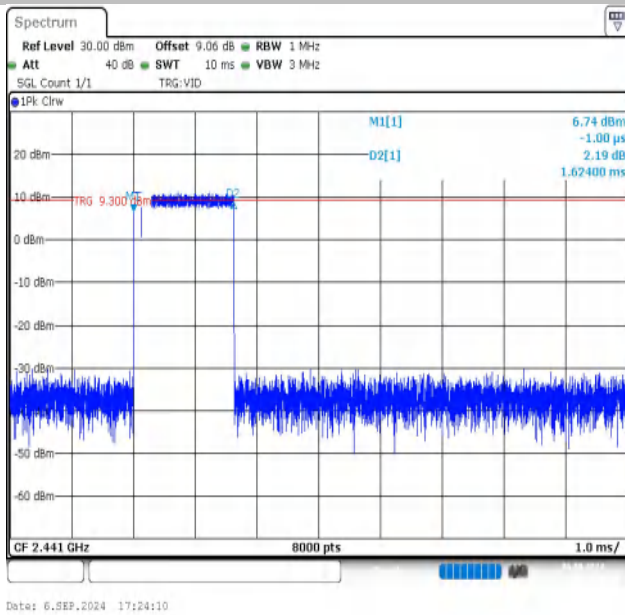
2DH5-Ant1-Hop-PASS

2DH5-Ant1-Hop-PASS



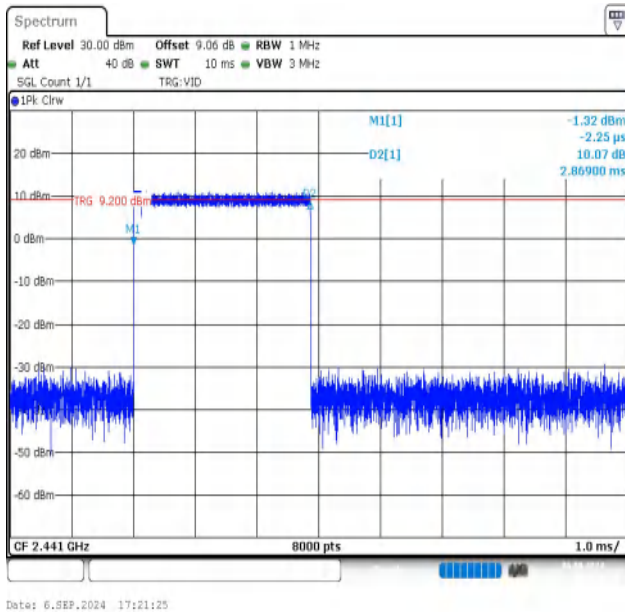
3DH1-Ant1-Hop-PASS

3DH1-Ant1-Hop-PASS

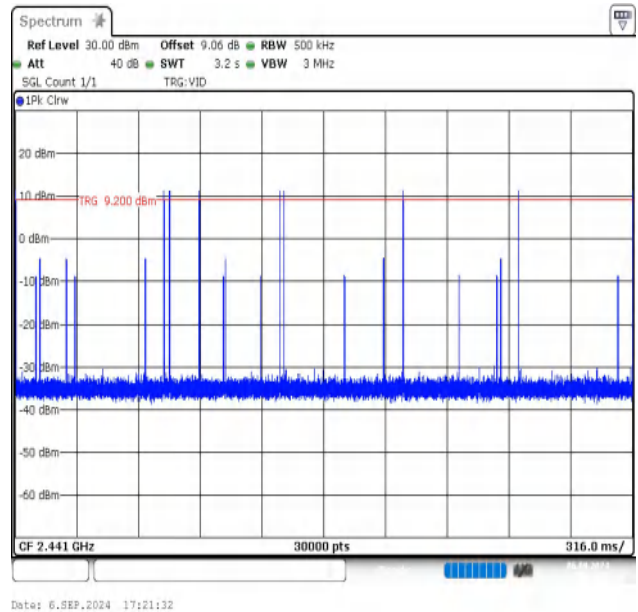


3DH3-Ant1-Hop-PASS

3DH3-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS



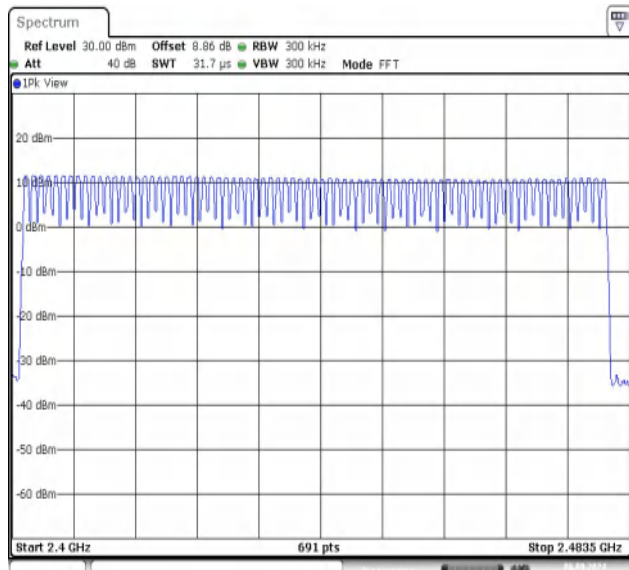
Appendix F: Number of hopping channels

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

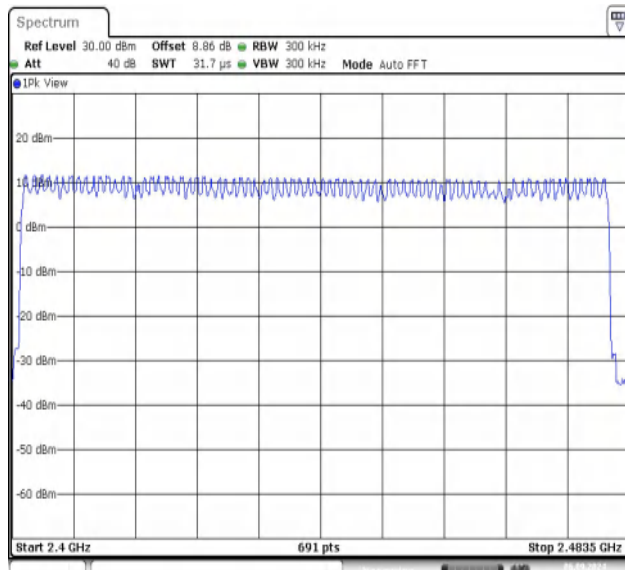


Test Graphs



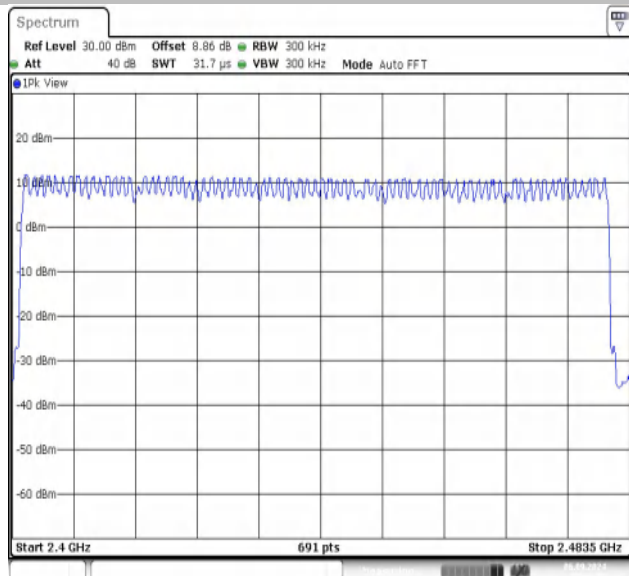
Date: 6.SEP.2024 17:07:46

DH5-Ant1-Hop-PASS



Date: 6.SEP.2024 17:14:58

2DH5-Ant1-Hop-PASS



Date: 6.SEP.2024 17:21:10

3DH5-Ant1-Hop-PASS

N/A

N/A



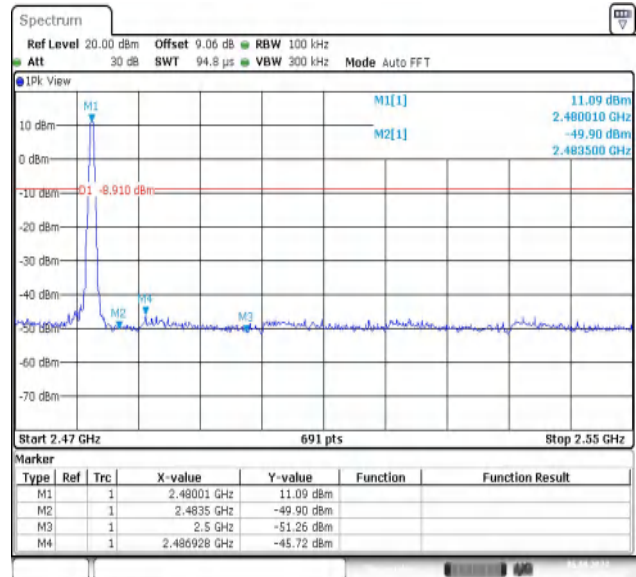
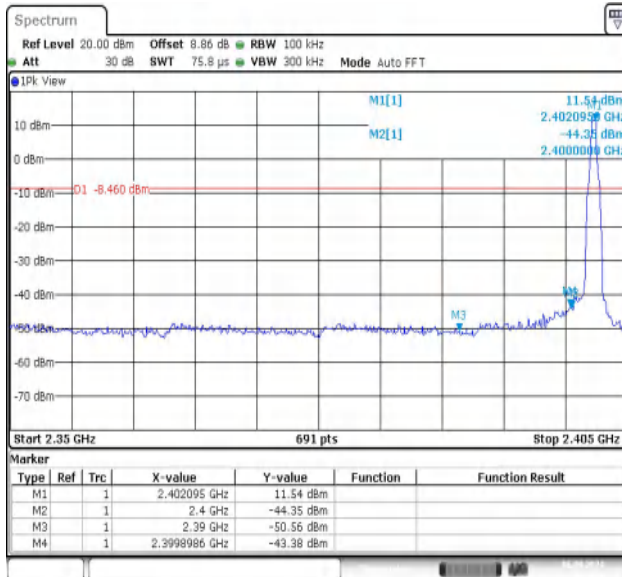
Appendix G: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Freq(MHz)	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	11.54	-43.38	≤ -8.46	PASS
DH5	Ant1	High	2480	11.09	-45.72	≤ -8.91	PASS
DH5	Ant1	Low	Hop_2402	11.05	-48.05	≤ -8.95	PASS
DH5	Ant1	High	Hop_2480	10.93	-46.91	≤ -9.07	PASS
2DH5	Ant1	Low	2402	11.58	-43.45	≤ -8.42	PASS
2DH5	Ant1	High	2480	10.96	-45.76	≤ -9.04	PASS
2DH5	Ant1	Low	Hop_2402	11.96	-47.23	≤ -8.04	PASS
2DH5	Ant1	High	Hop_2480	10.06	-45.7	≤ -9.94	PASS
3DH5	Ant1	Low	2402	11.60	-43.34	≤ -8.4	PASS
3DH5	Ant1	High	2480	11.46	-46.54	≤ -8.54	PASS
3DH5	Ant1	Low	Hop_2402	7.27	-48.29	≤ -12.73	PASS
3DH5	Ant1	High	Hop_2480	9.61	-46.54	≤ -10.39	PASS

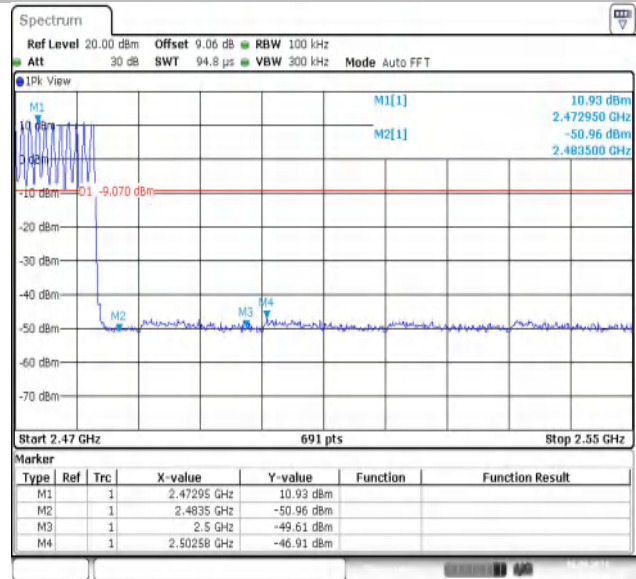
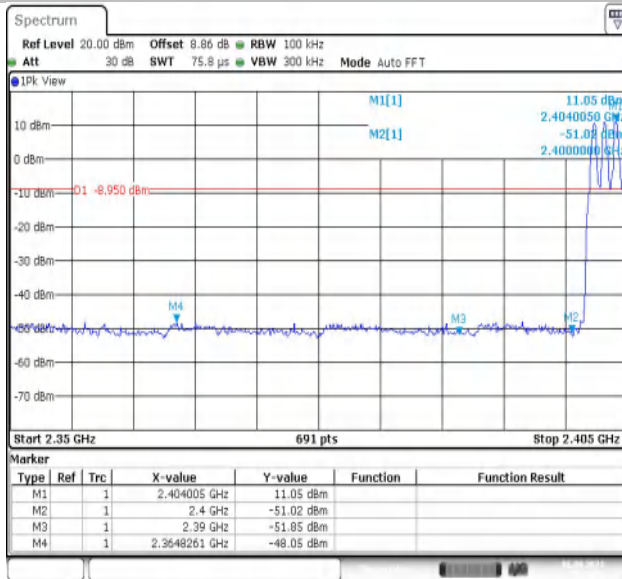


Test Graphs



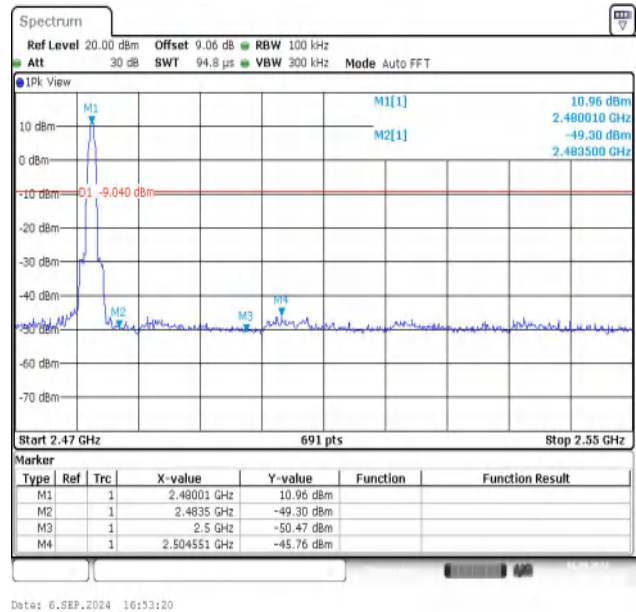
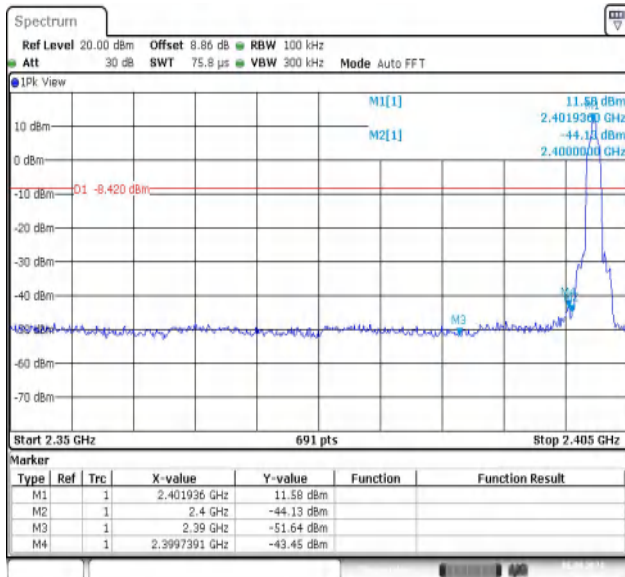
DH5-Ant1-2402-PASS

DH5-Ant1-2480-PASS

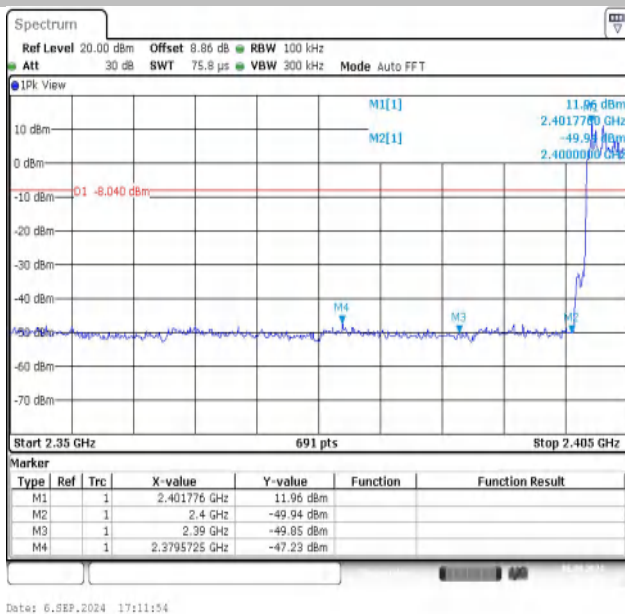


DH5-Ant1-Hop_2402-PASS

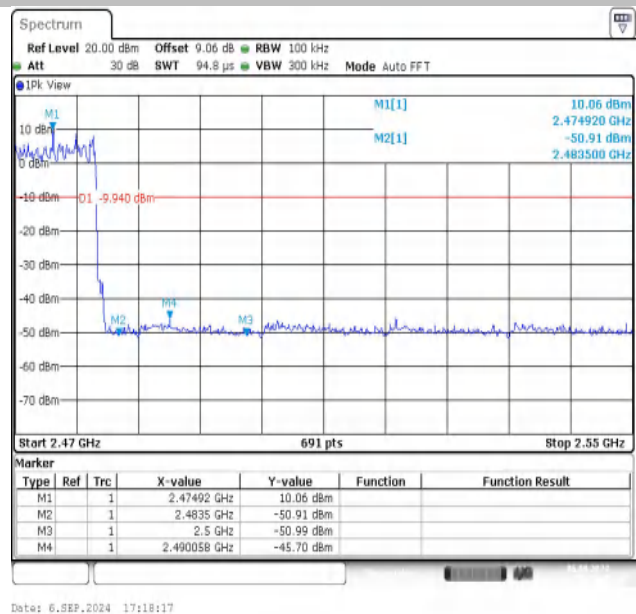
DH5-Ant1-Hop_2480-PASS



2DH5-Ant1-2402-PASS

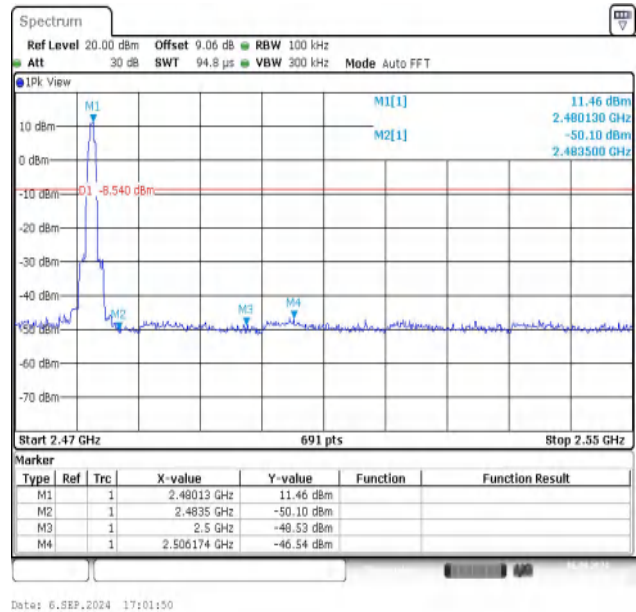
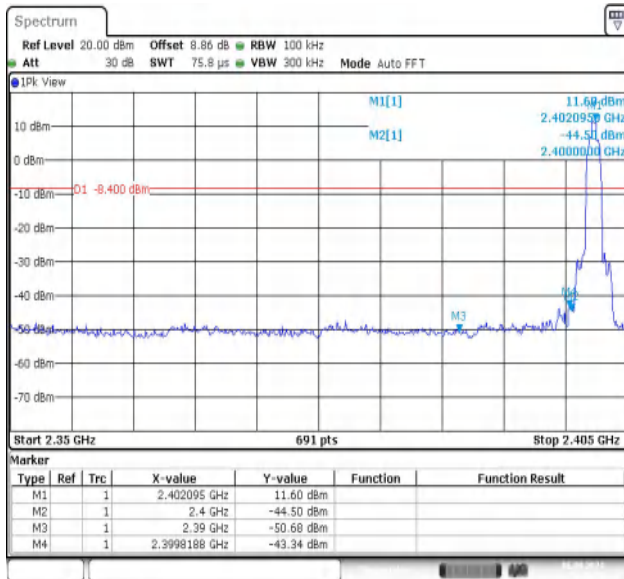


2DH5-Ant1-2480-PASS

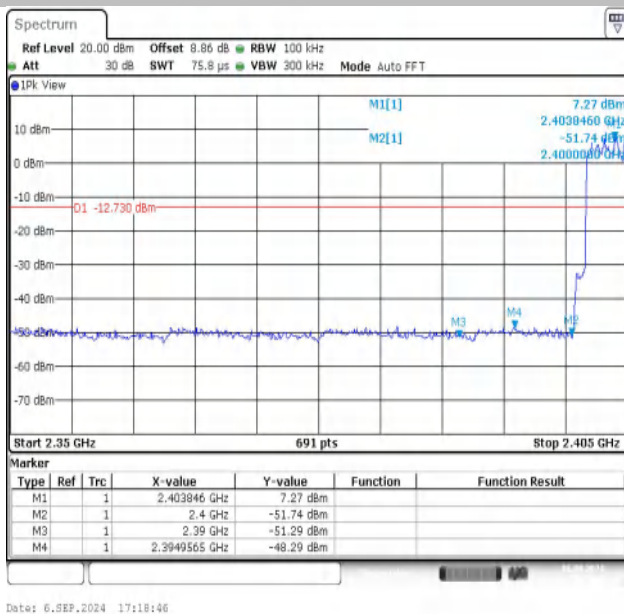


2DH5-Ant1-Hop_2402-PASS

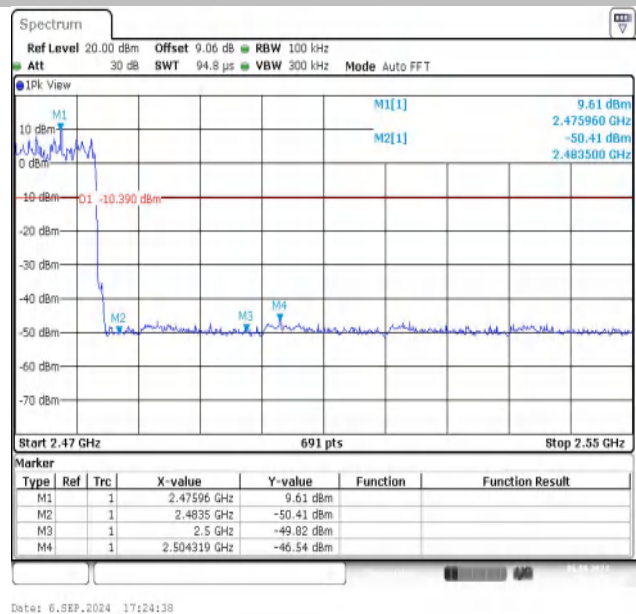
2DH5-Ant1-Hop_2480-PASS



3DH5-Ant1-2402-PASS



3DH5-Ant1-2480-PASS



3DH5-Ant1-Hop_2402-PASS

3DH5-Ant1-Hop_2480-PASS



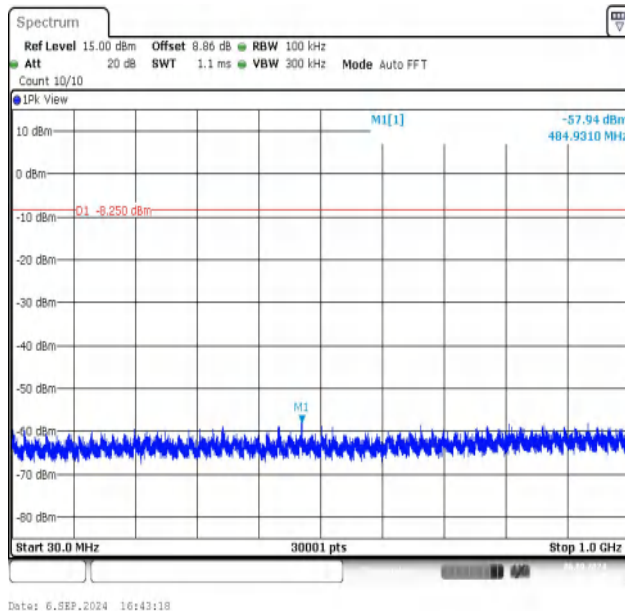
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Freq(MHz)	Freq Range [MHz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	11.75	11.75	---	PASS
DH5	Ant1	2402	30~1000	11.75	-57.94	≤ -8.25	PASS
DH5	Ant1	2402	1000~26500	11.75	-43.4	≤ -8.25	PASS
DH5	Ant1	2441	0~Reference	11.14	11.14	---	PASS
DH5	Ant1	2441	30~1000	11.14	-58	≤ -8.86	PASS
DH5	Ant1	2441	1000~26500	11.14	-41.13	≤ -8.86	PASS
DH5	Ant1	2480	0~Reference	11.16	11.16	---	PASS
DH5	Ant1	2480	30~1000	11.16	-57.83	≤ -8.84	PASS
DH5	Ant1	2480	1000~26500	11.16	-36.18	≤ -8.84	PASS
2DH5	Ant1	2402	0~Reference	12.04	12.04	---	PASS
2DH5	Ant1	2402	30~1000	12.04	-58.11	≤ -7.96	PASS
2DH5	Ant1	2402	1000~26500	12.04	-46.74	≤ -7.96	PASS
2DH5	Ant1	2441	0~Reference	11.45	11.45	---	PASS
2DH5	Ant1	2441	30~1000	11.45	-57.72	≤ -8.55	PASS
2DH5	Ant1	2441	1000~26500	11.45	-44.48	≤ -8.55	PASS
2DH5	Ant1	2480	0~Reference	11.51	11.51	---	PASS
2DH5	Ant1	2480	30~1000	11.51	-56.79	≤ -8.49	PASS
2DH5	Ant1	2480	1000~26500	11.51	-41.14	≤ -8.49	PASS
3DH5	Ant1	2402	0~Reference	12.00	12.00	---	PASS
3DH5	Ant1	2402	30~1000	12.00	-54.41	≤ -8	PASS
3DH5	Ant1	2402	1000~26500	12.00	-46.87	≤ -8	PASS
3DH5	Ant1	2441	0~Reference	11.38	11.38	---	PASS
3DH5	Ant1	2441	30~1000	11.38	-56.11	≤ -8.62	PASS
3DH5	Ant1	2441	1000~26500	11.38	-41.74	≤ -8.62	PASS
3DH5	Ant1	2480	0~Reference	11.43	11.43	---	PASS
3DH5	Ant1	2480	30~1000	11.43	-57.19	≤ -8.57	PASS
3DH5	Ant1	2480	1000~26500	11.43	-34.18	≤ -8.57	PASS

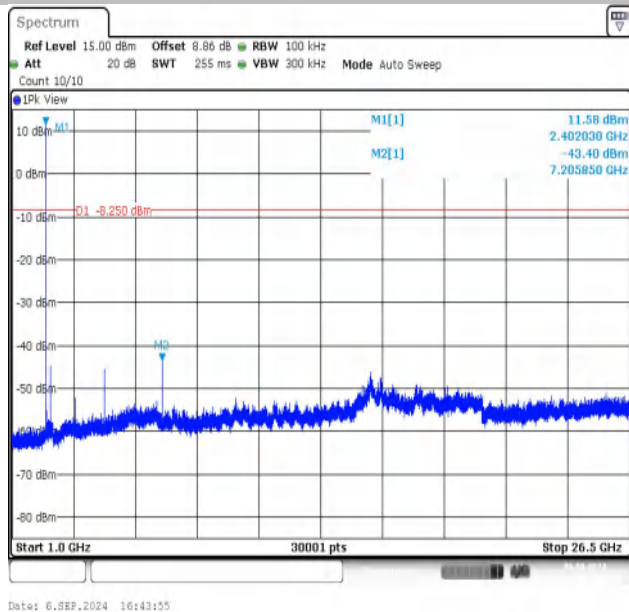


Test Graphs



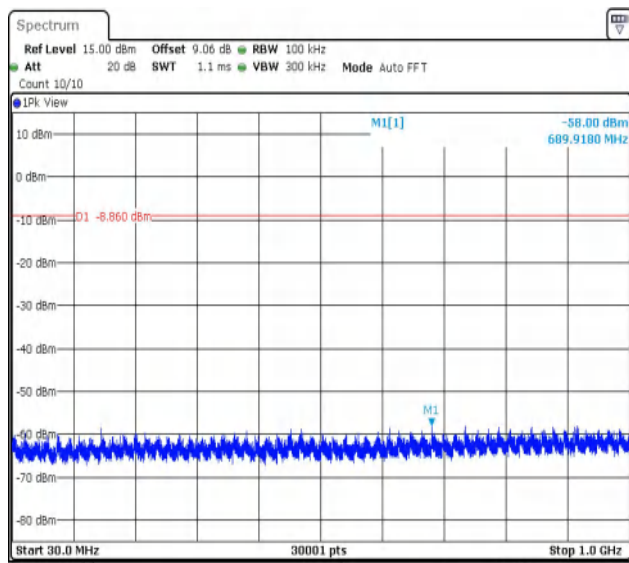
DH5-Ant1-2402-0~Reference-PASS

DH5-Ant1-2402-30~1000-PASS

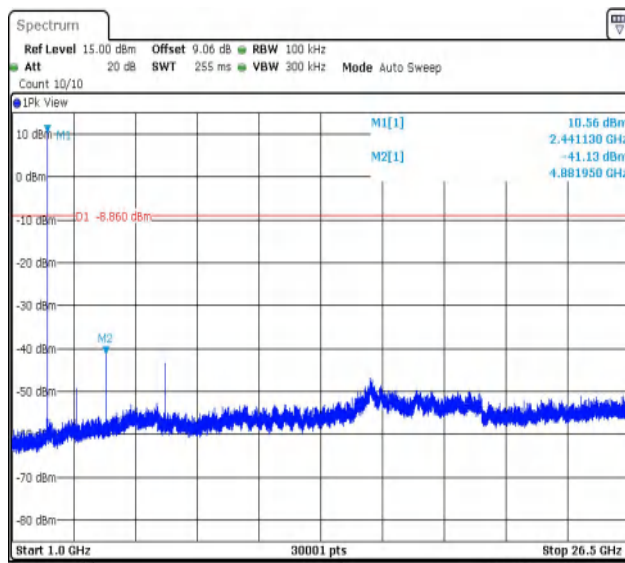


DH5-Ant1-2402-1000~26500-PASS

DH5-Ant1-2441-0~Reference-PASS



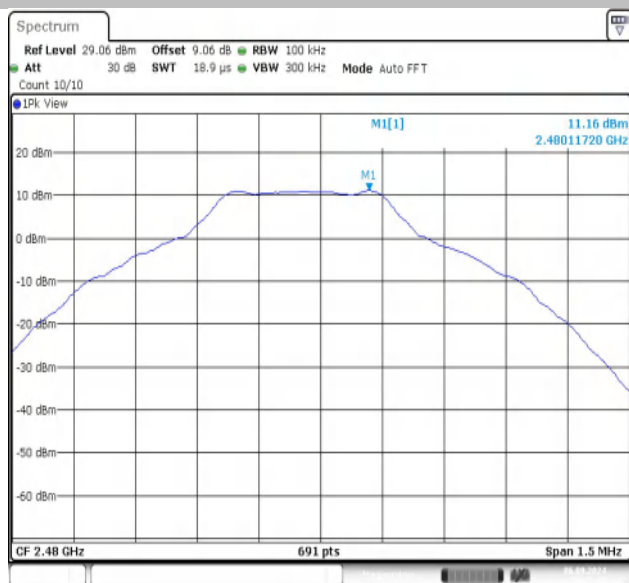
Date: 6.SEP.2024 16:45:01



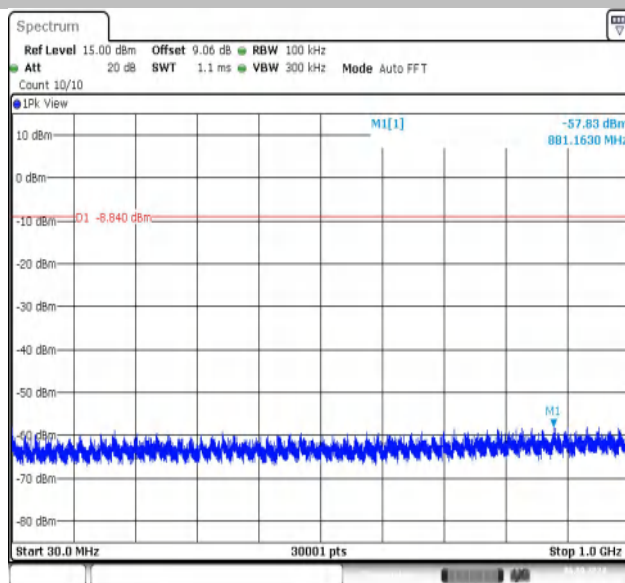
Date: 6.SEP.2024 16:45:38

DH5-Ant1-2441-30~1000-PASS

DH5-Ant1-2441-1000~26500-PASS



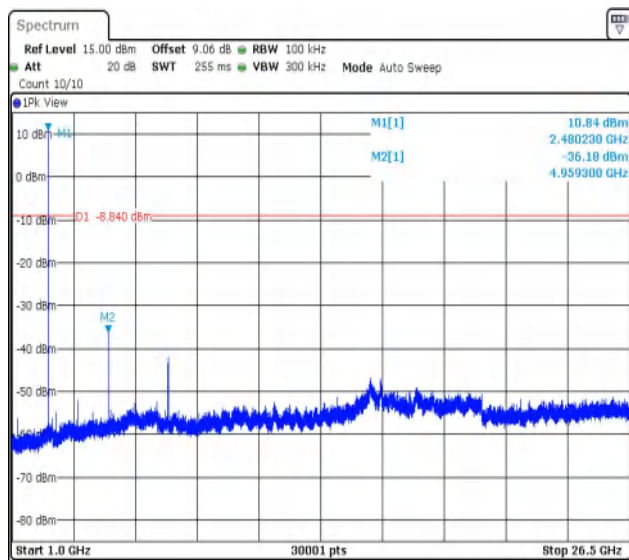
Date: 6.SEP.2024 16:47:01



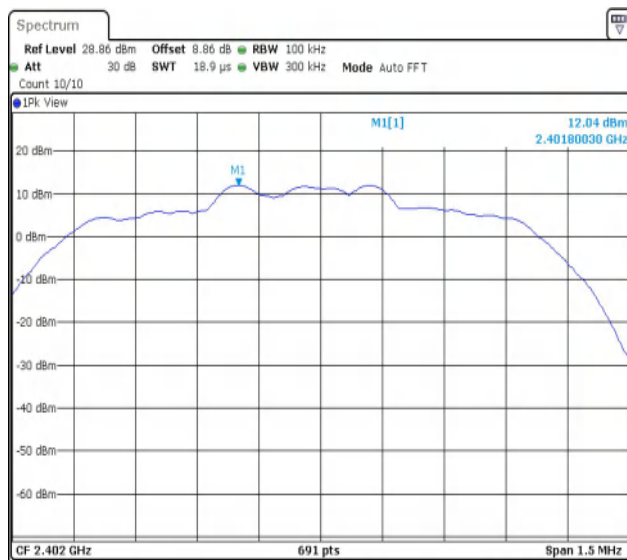
Date: 6.SEP.2024 16:47:12

DH5-Ant1-2480-0~Reference-PASS

DH5-Ant1-2480-30~1000-PASS



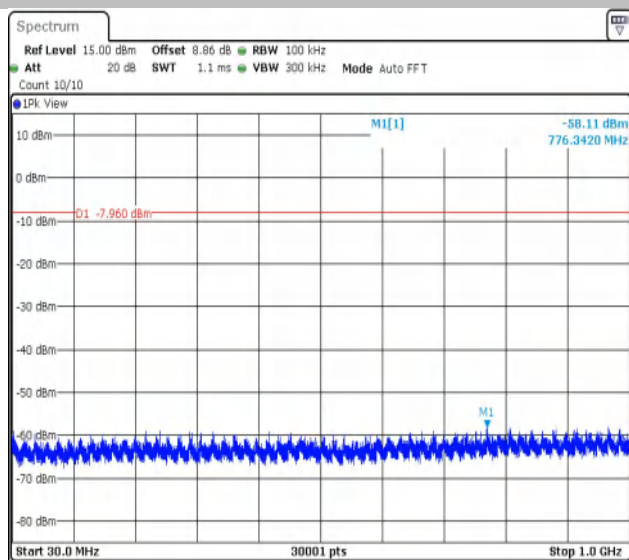
Date: 6.SEP.2024 16:47:49



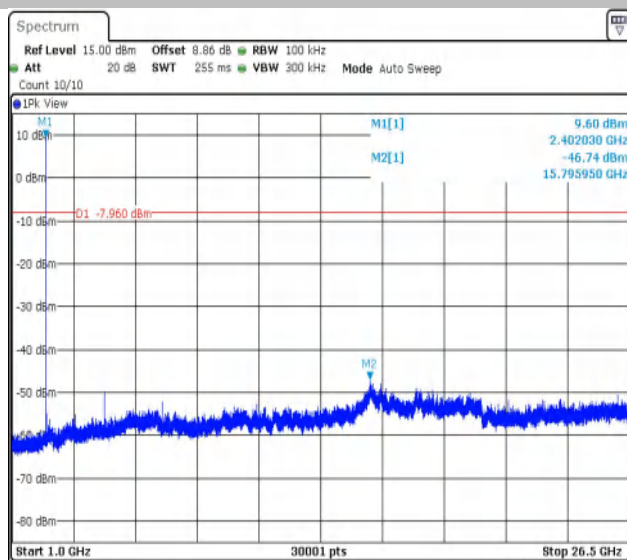
Date: 6.SEP.2024 16:48:55

DH5-Ant1-2480-1000~26500-PASS

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



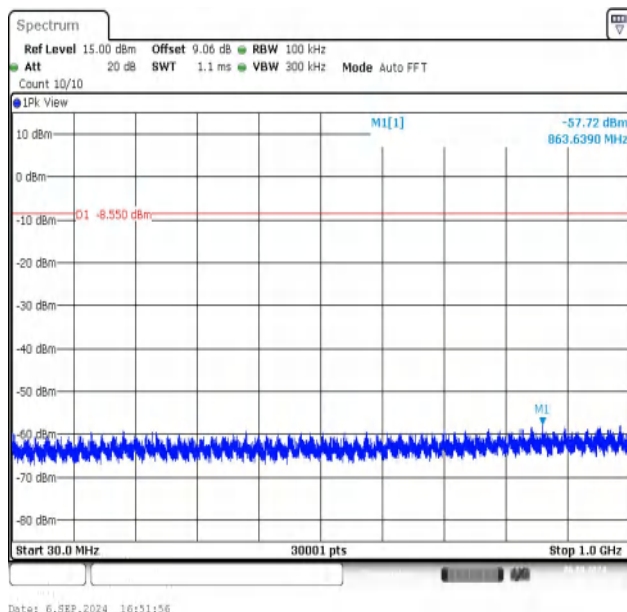
Date: 6.SEP.2024 16:49:06



Date: 6.SEP.2024 16:49:43

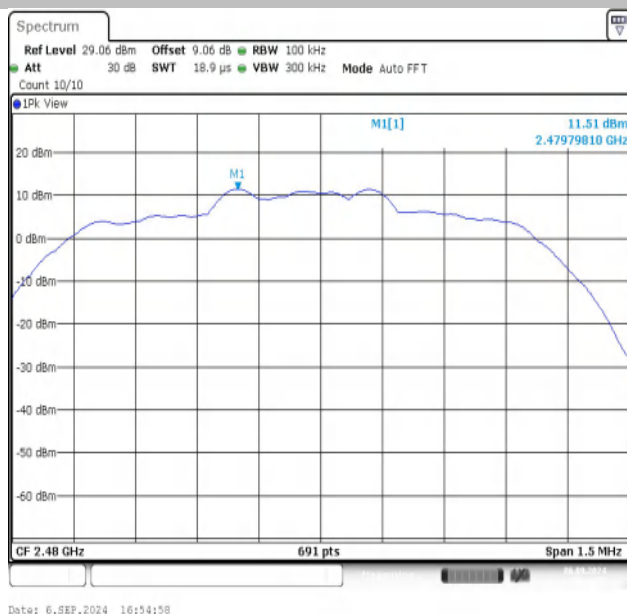
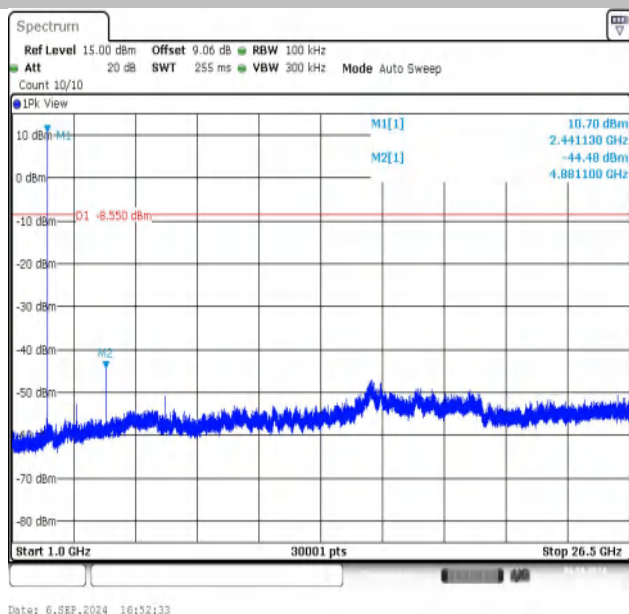
2DH5-Ant1-2402-30~1000-PASS

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



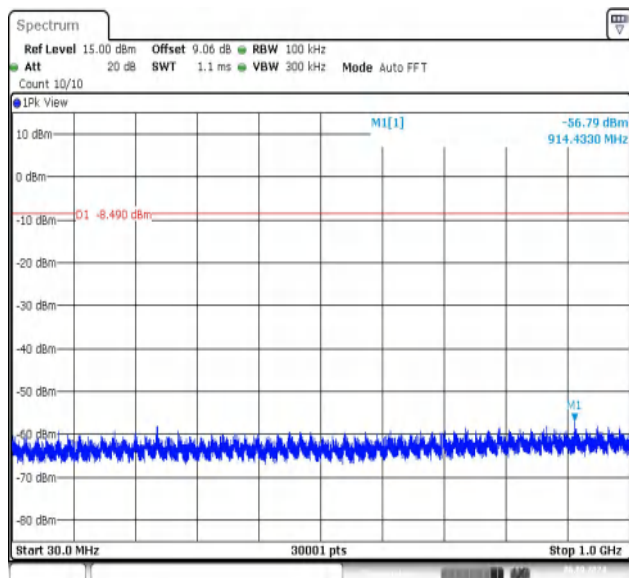
2DH5-Ant1-2441-0~Reference-PASS

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

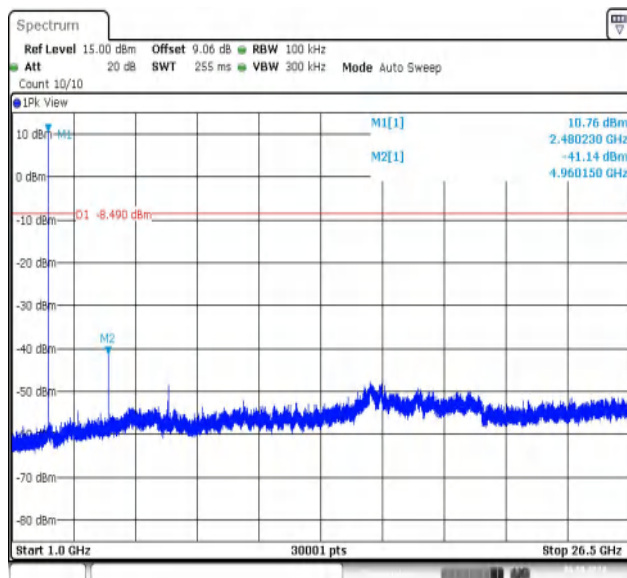


2DH5-Ant1-2441-1000~26500-PASS

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



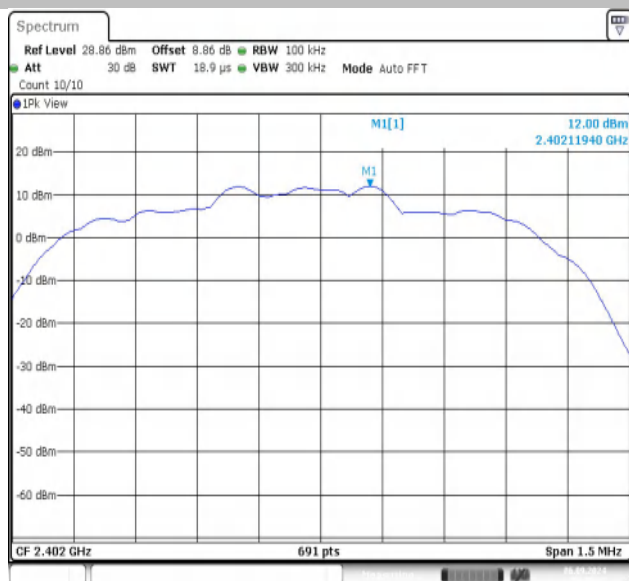
Date: 6.SEP.2024 16:55:09



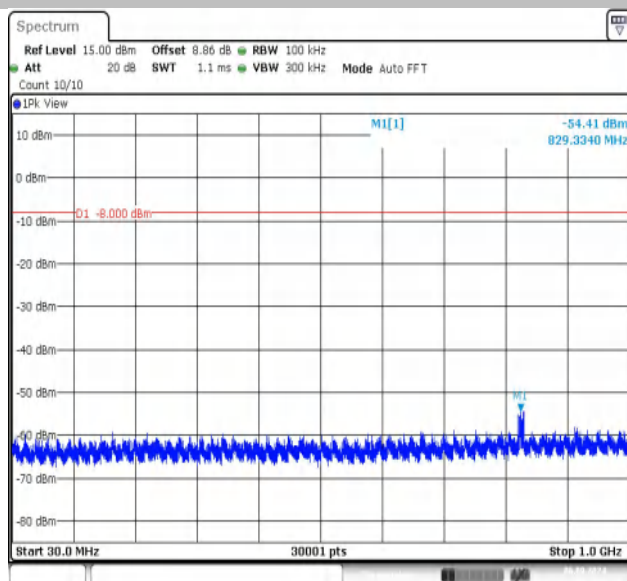
Date: 6.SEP.2024 16:55:46

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

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



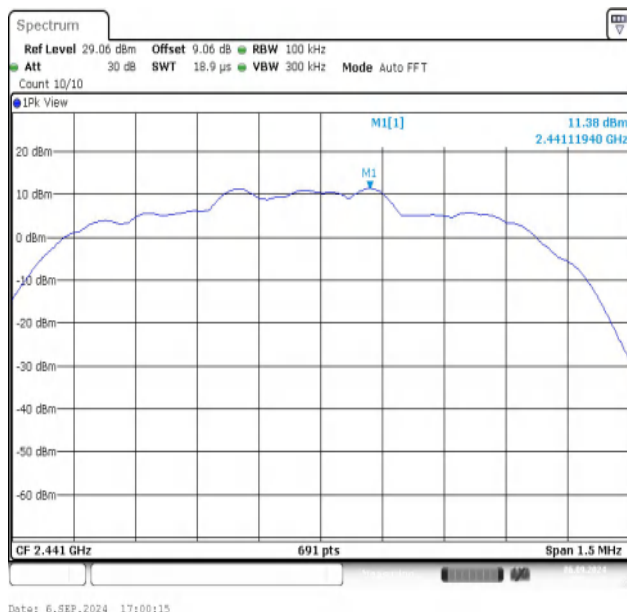
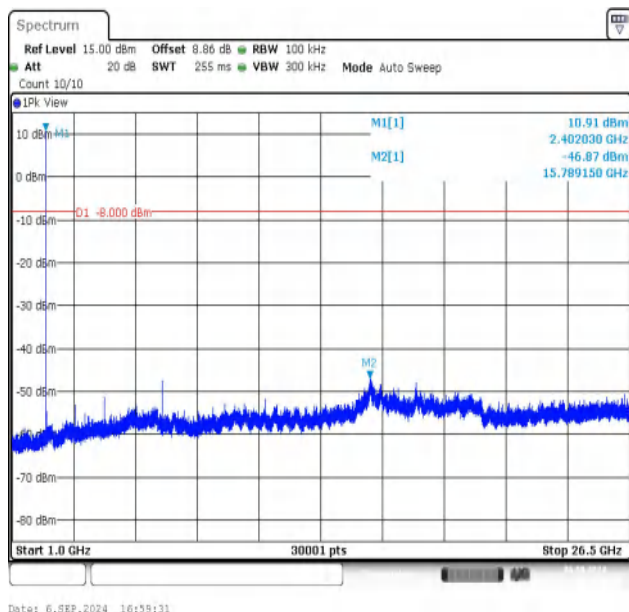
Date: 6.SEP.2024 16:58:43



Date: 6.SEP.2024 16:58:54

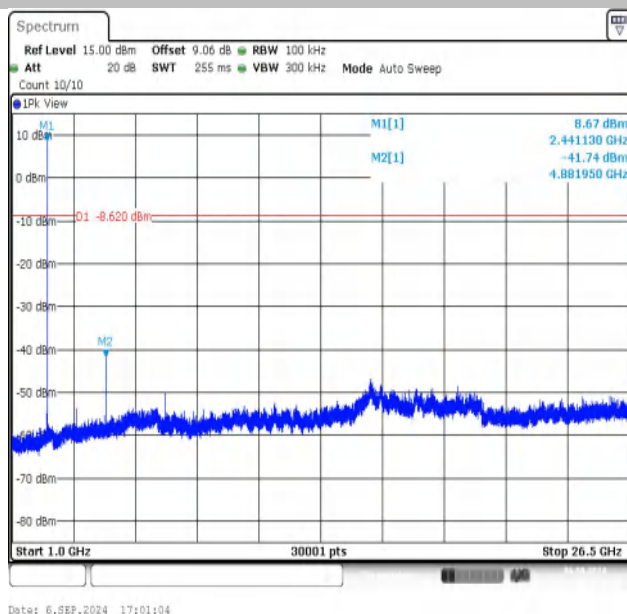
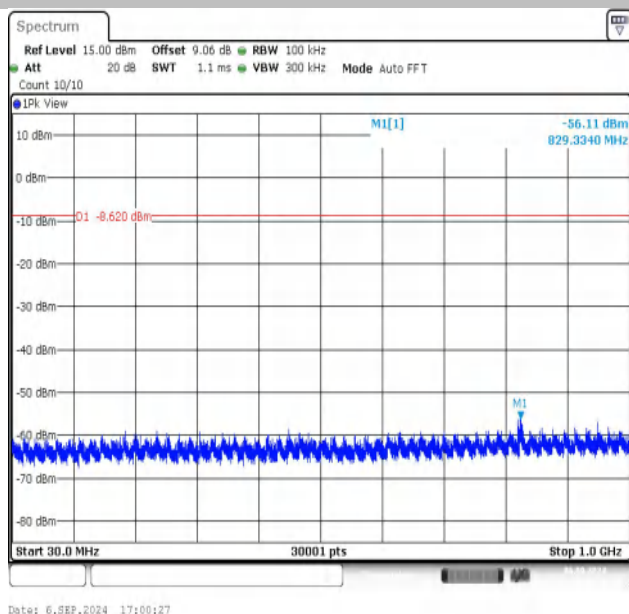
3DH5-Ant1-2402-0~Reference-PASS

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



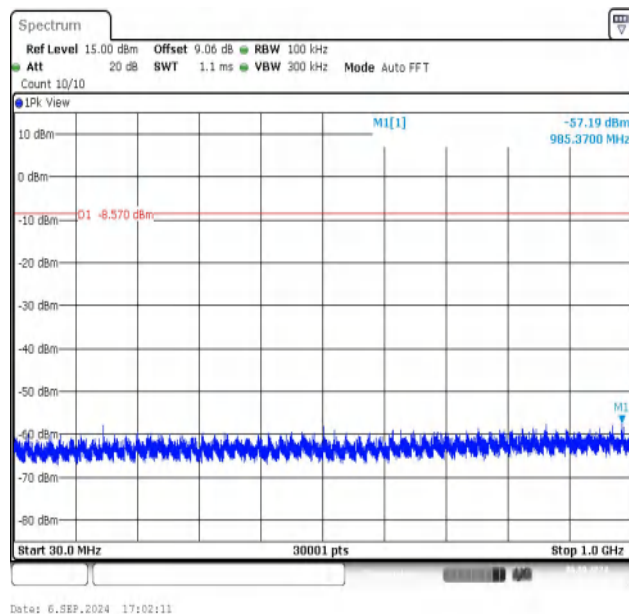
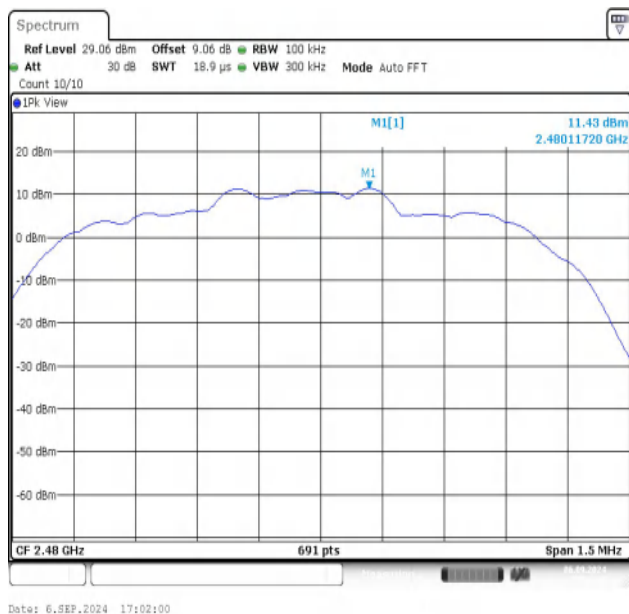
3DH5-Ant1-2402-1000~26500-PASS

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



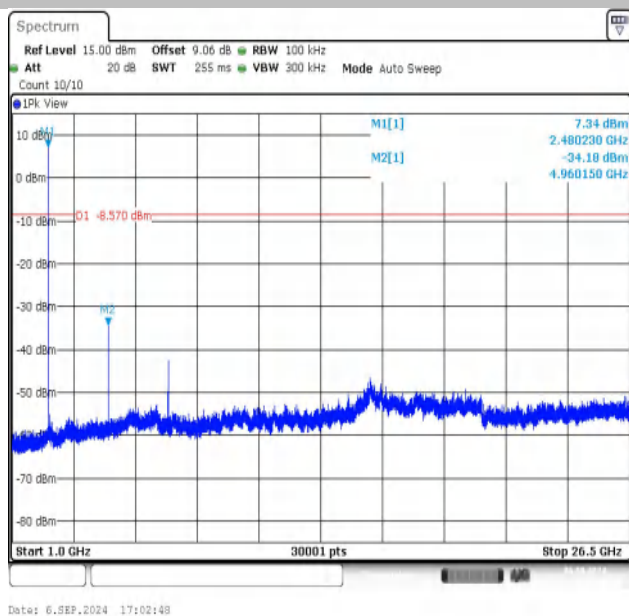
3DH5-Ant1-2441-30~1000-PASS

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



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

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



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



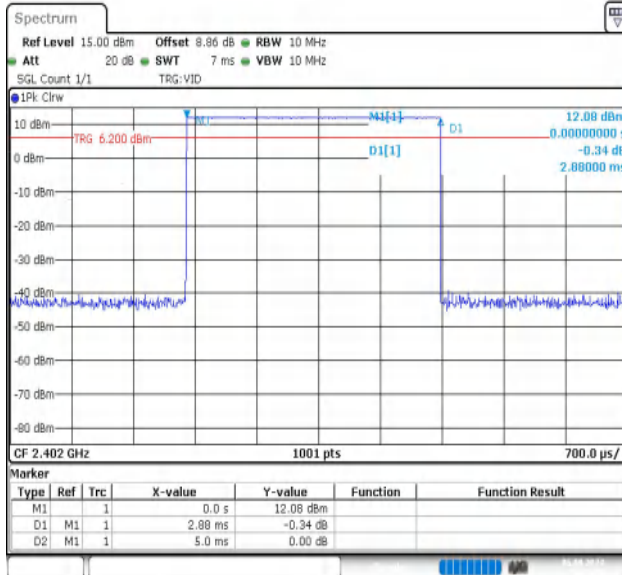
Appendix I: Duty Cycle

Test Result

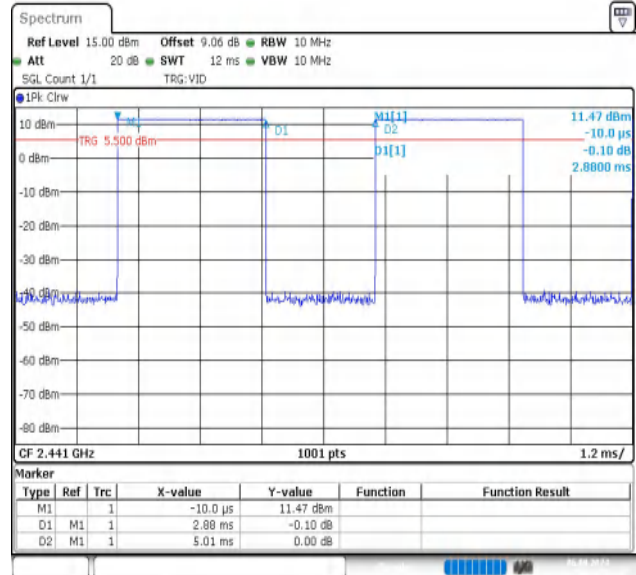
Test Mode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	DC Factor (dB)
DH5	Ant1	2402	2.88	5.00	57.60	2.40
DH5	Ant1	2441	2.88	5.01	57.49	2.40
DH5	Ant1	2480	2.89	5.00	57.80	2.38
2DH5	Ant1	2402	2.88	5.01	57.49	2.40
2DH5	Ant1	2441	2.89	5.01	57.68	2.39
2DH5	Ant1	2480	2.89	5.00	57.80	2.38
3DH5	Ant1	2402	2.89	5.00	57.80	2.38
3DH5	Ant1	2441	2.88	5.00	57.60	2.40
3DH5	Ant1	2480	2.89	5.00	57.80	2.38



Test Graphs



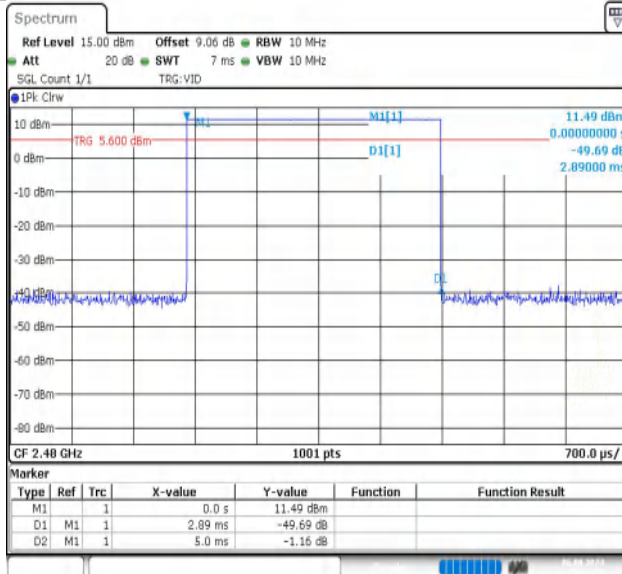
Date: 6.SEP.2024 16:42:31



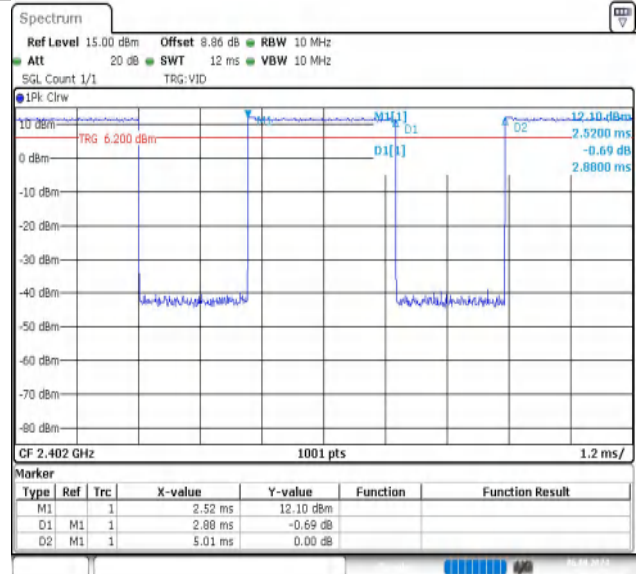
Date: 6.SEP.2024 16:44:23

NTNV-DH5-Ant1-2402

NTNV-DH5-Ant1-2441



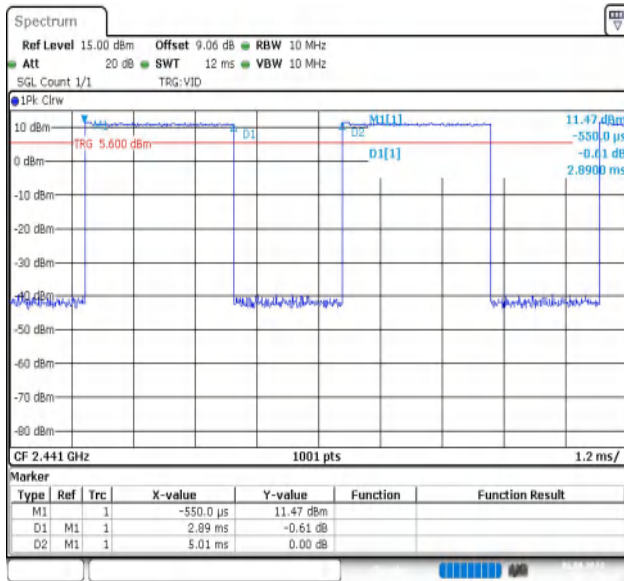
Date: 6.SEP.2024 16:46:25



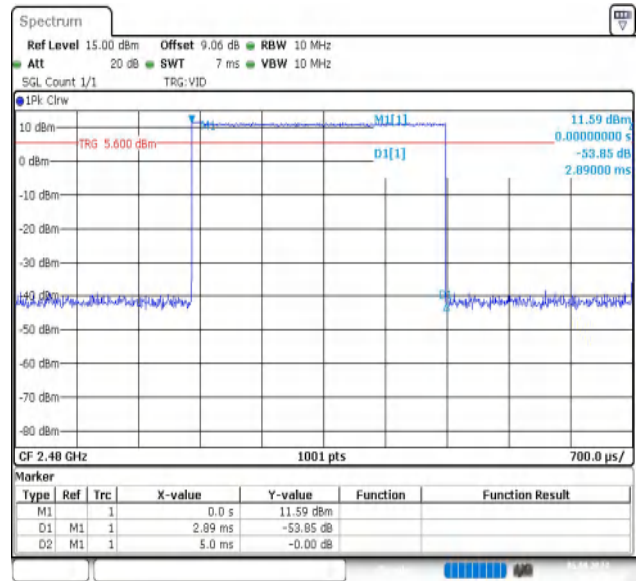
Date: 6.SEP.2024 16:48:19

NTNV-DH5-Ant1-2480

NTNV-2DH5-Ant1-2402



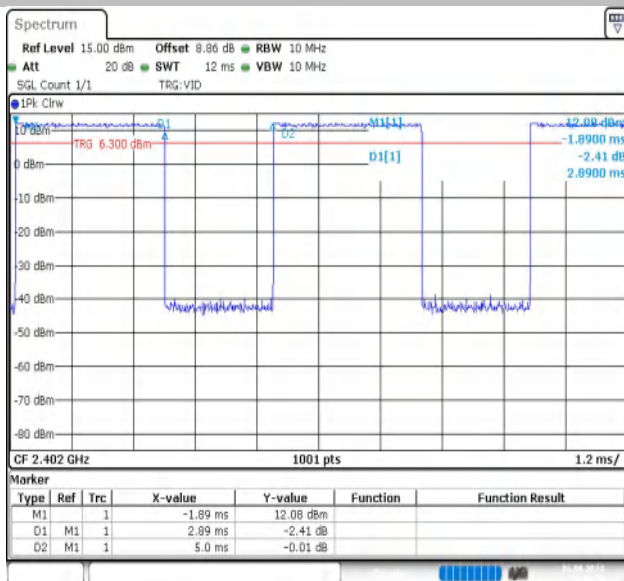
Date: 6.SEP.2024 16:51:18



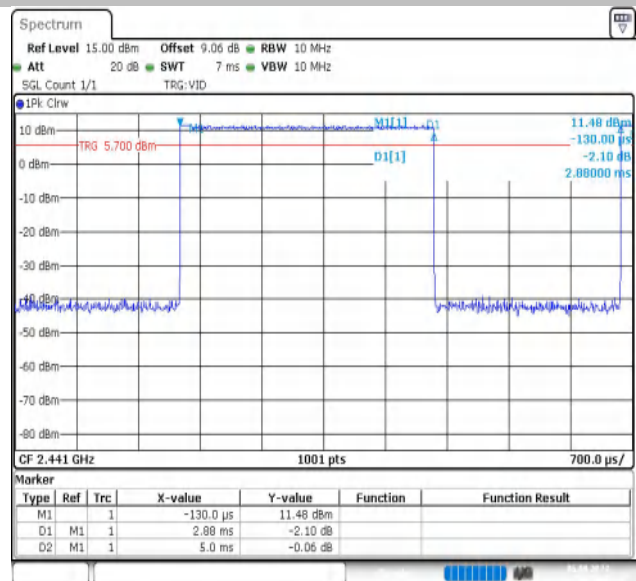
Date: 6.SEP.2024 16:52:53

NTNV-2DH5-Ant1-2441

NTNV-2DH5-Ant1-2480



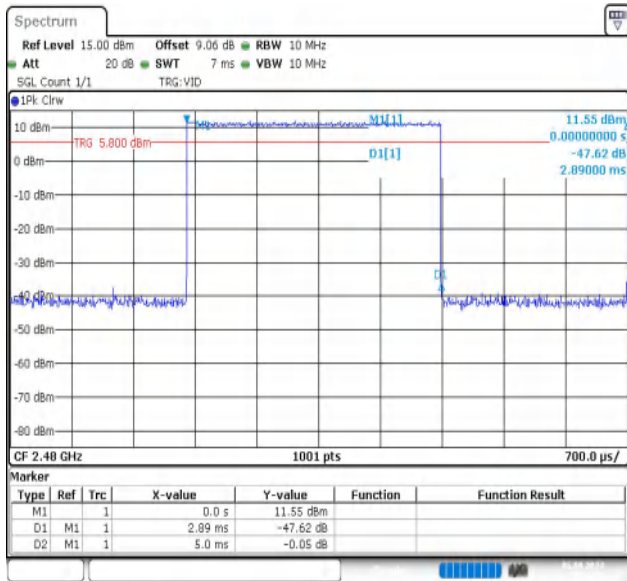
Date: 6.SEP.2024 16:58:06



Date: 6.SEP.2024 16:59:50

NTNV-3DH5-Ant1-2402

NTNV-3DH5-Ant1-2441



Date: 6.SEP.2024 17:01:24

NTNV-3DH5-Ant1-2480

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