



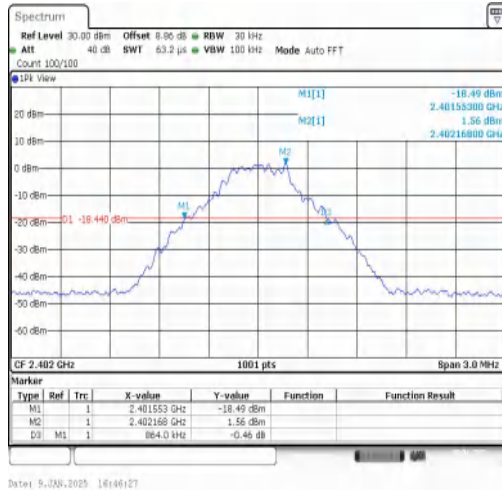
Appendix A: 20dB Emission Bandwidth

Test Result

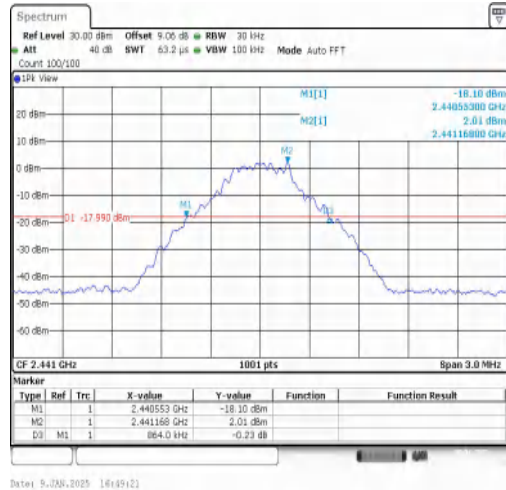
Test Mode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86	2401.55	2402.42	---	---
DH5	Ant1	2441	0.86	2440.55	2441.42	---	---
DH5	Ant1	2480	0.86	2479.55	2480.42	---	---
2DH5	Ant1	2402	1.26	2401.38	2402.64	---	---
2DH5	Ant1	2441	1.27	2440.38	2441.65	---	---
2DH5	Ant1	2480	1.27	2479.38	2480.65	---	---
3DH5	Ant1	2402	1.26	2401.37	2402.63	---	---
3DH5	Ant1	2441	1.26	2440.37	2441.63	---	---
3DH5	Ant1	2480	1.26	2479.37	2480.63	---	---



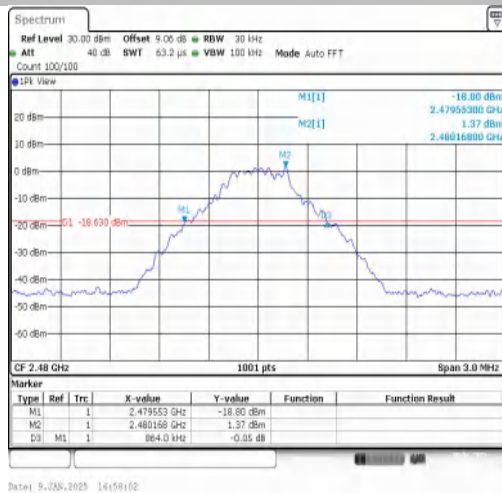
Test Graphs



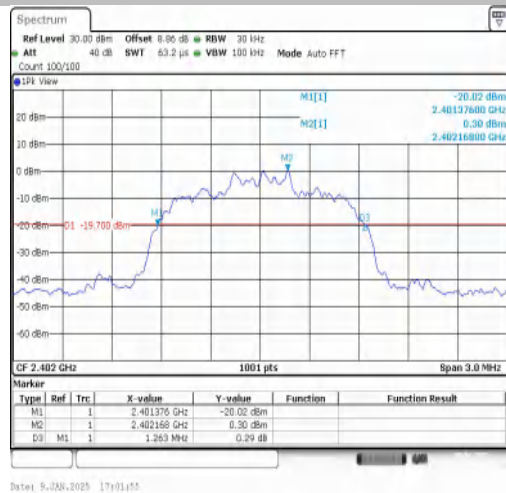
DH5-Ant1-2402



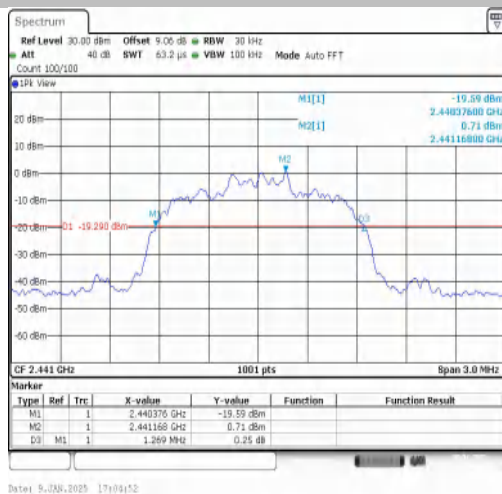
DH5-Ant1-2441



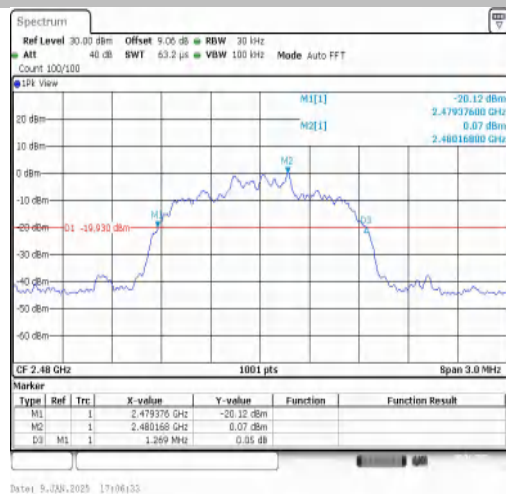
DH5-Ant1-2480



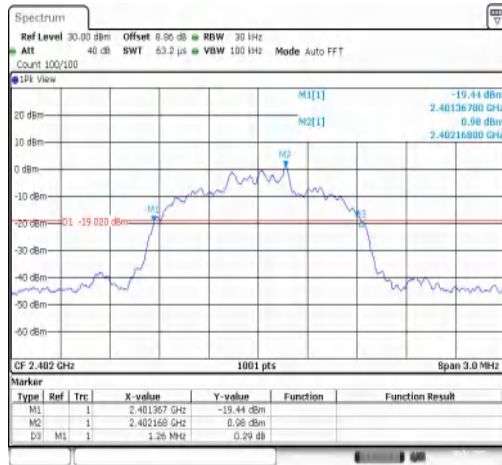
2DH5-Ant1-2402



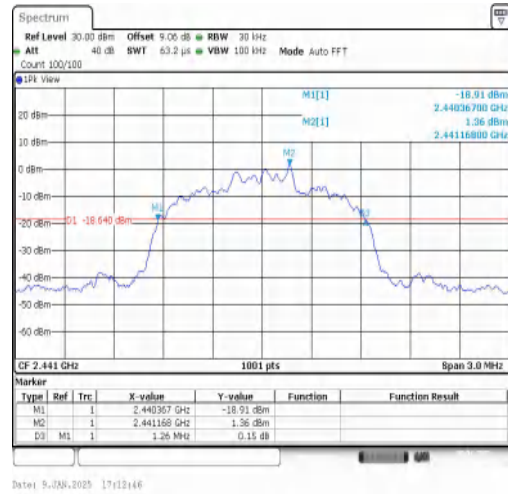
2DH5-Ant1-2441



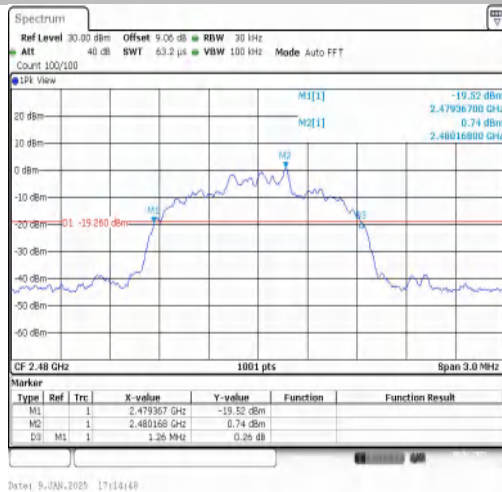
2DH5-Ant1-2480



3DH5-Ant1-2402



3DH5-Ant1-2441



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	0.758	2401.6284	2402.3866	---	---
DH5	Ant1	2441	0.758	2440.6284	2441.3866	---	---
DH5	Ant1	2480	0.758	2479.6284	2480.3866	---	---
2DH5	Ant1	2402	1.145	2401.4306	2402.5754	---	---
2DH5	Ant1	2441	1.145	2440.4306	2441.5754	---	---
2DH5	Ant1	2480	1.148	2479.4276	2480.5754	---	---
3DH5	Ant1	2402	1.148	2401.4336	2402.5814	---	---
3DH5	Ant1	2441	1.148	2440.4336	2441.5814	---	---
3DH5	Ant1	2480	1.148	2479.4336	2480.5814	---	---



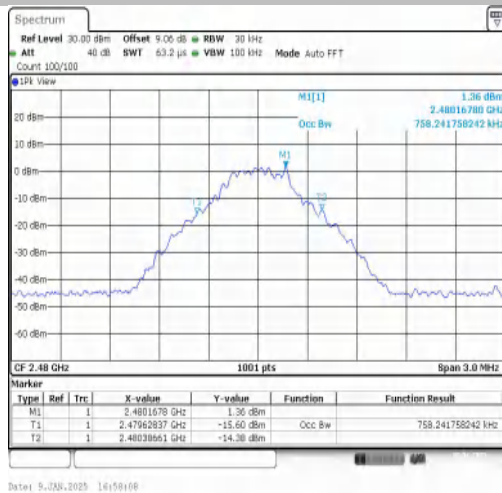
Test Graphs



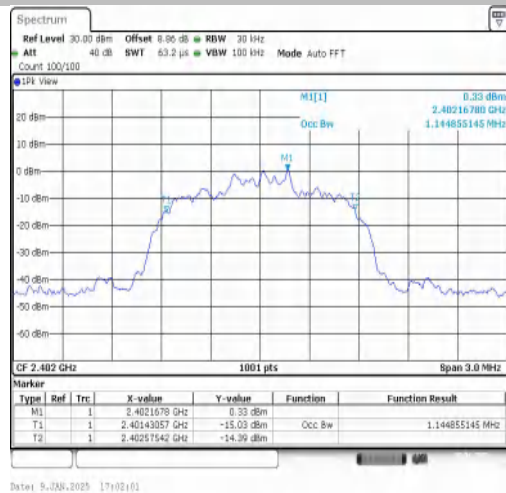
DH5-Ant1-2402



DH5-Ant1-2441



DH5-Ant1-2480



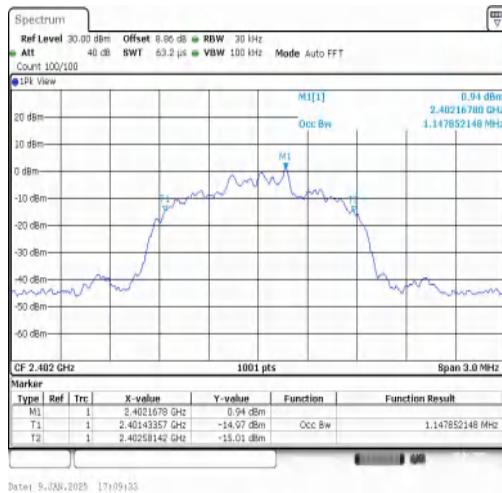
2DH5-Ant1-2402



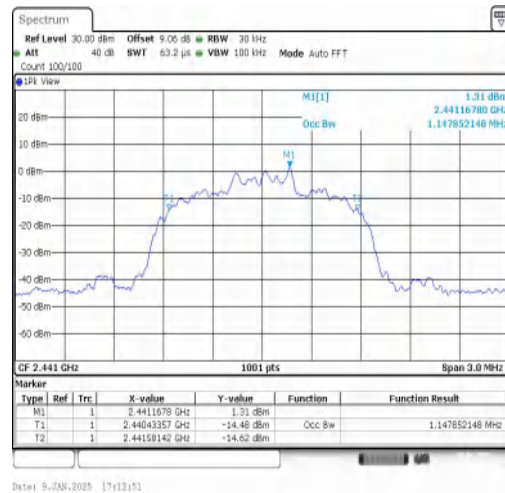
2DH5-Ant1-2441



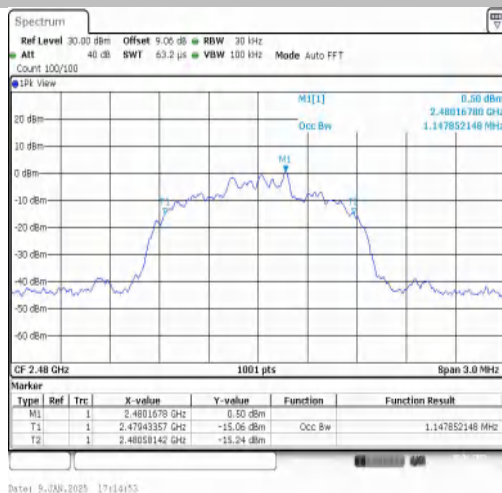
2DH5-Ant1-2480



3DH5-Ant1-2402



3DH5-Ant1-2441



3DH5-Ant1-2480



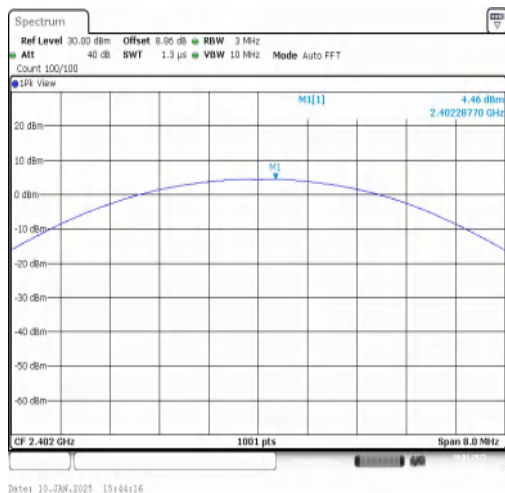
Appendix C: Maximum conducted output power

Test Result Peak

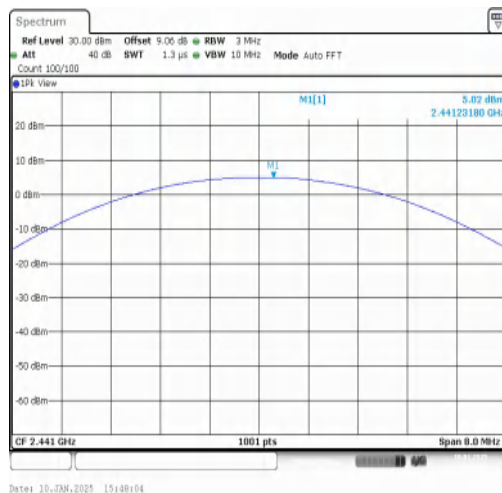
Test Mode	Antenna	Frequency [MHz]	Peak Power [dBm]	Peak Power Limit [dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
DH5	Ant1	2402	4.46	≤20.97	0.11	4.57	-	PASS
DH5	Ant1	2441	5.02	≤20.97	0.11	5.13	-	PASS
DH5	Ant1	2480	4.38	≤20.97	0.11	4.49	-	PASS
2DH5	Ant1	2402	3.79	≤20.97	0.11	3.90	-	PASS
2DH5	Ant1	2441	4.20	≤20.97	0.11	4.31	-	PASS
2DH5	Ant1	2480	3.53	≤20.97	0.11	3.64	-	PASS
3DH5	Ant1	2402	3.73	≤20.97	0.11	3.84	-	PASS
3DH5	Ant1	2441	4.14	≤20.97	0.11	4.25	-	PASS
3DH5	Ant1	2480	3.50	≤20.97	0.11	3.61	-	PASS



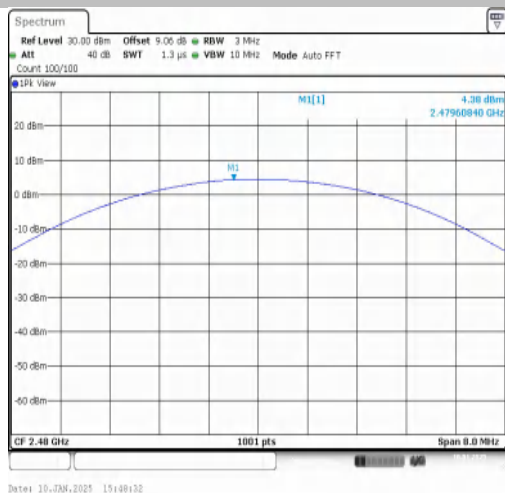
Test Graphs



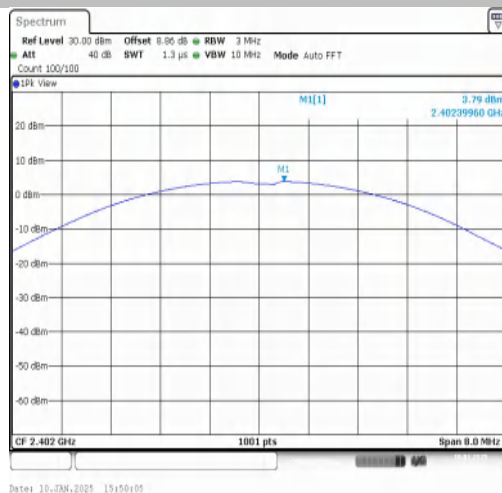
DH5-Ant1-2402-PASS



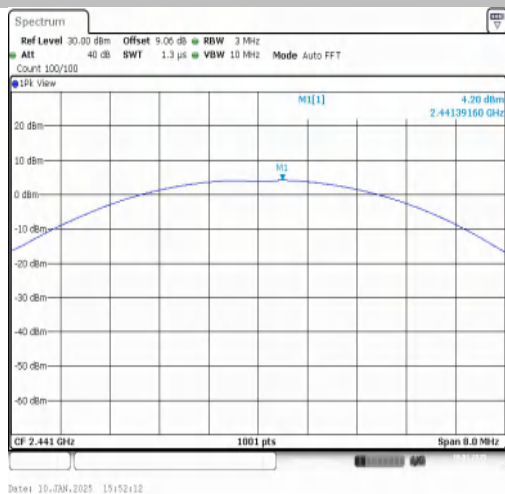
DH5-Ant1-2441-PASS



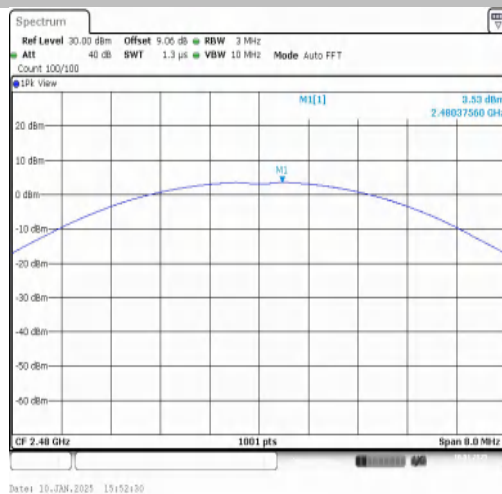
DH5-Ant1-2480-PASS



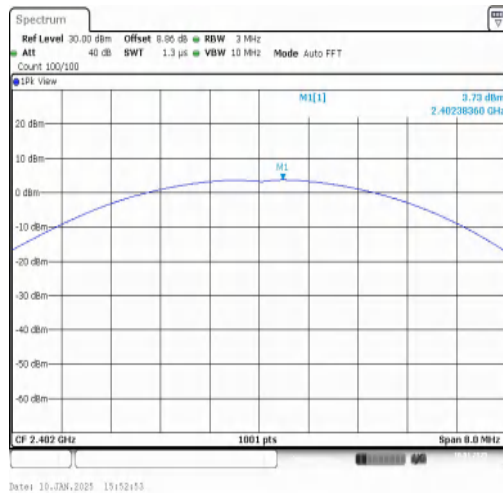
2DH5-Ant1-2402-PASS



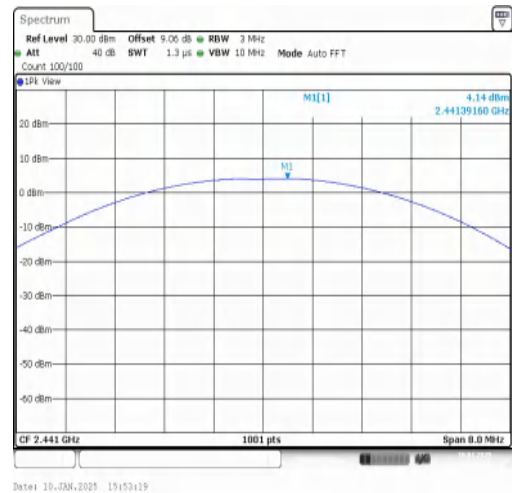
2DH5-Ant1-2441-PASS



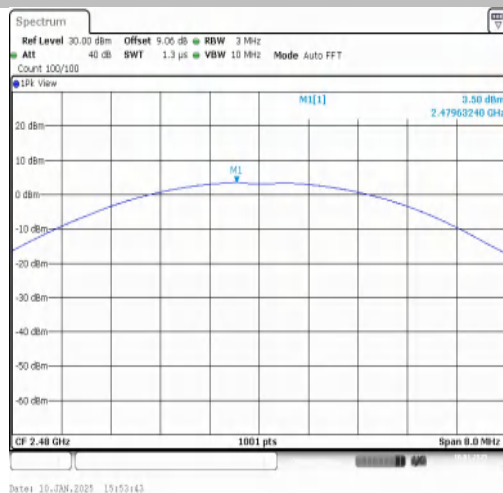
2DH5-Ant1-2480-PASS



3DH5-Ant1-2402-PASS



3DH5-Ant1-2441-PASS



3DH5-Ant1-2480-PASS



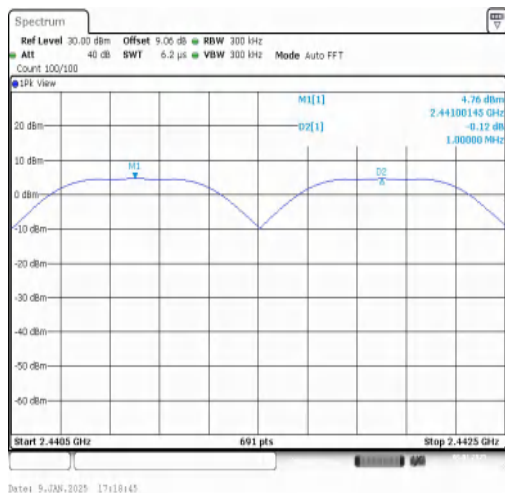
Appendix D: Carrier frequency separation

Test Result

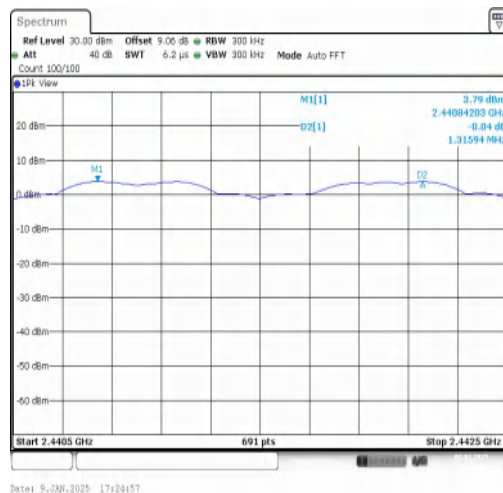
Test Mode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1	≥ 0.860	PASS
2DH5	Ant1	Hop	1.316	≥ 1.270	PASS
3DH5	Ant1	Hop	1.319	≥ 1.260	PASS



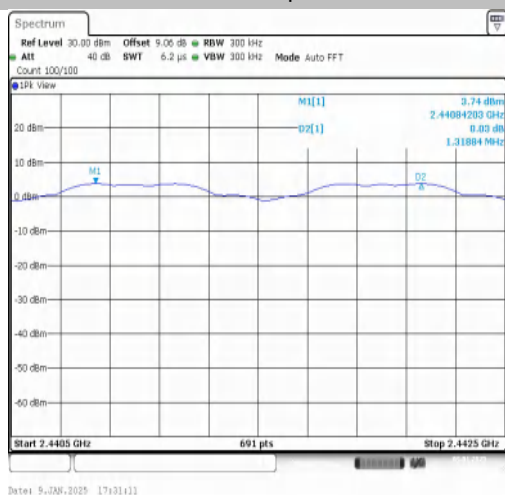
Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS



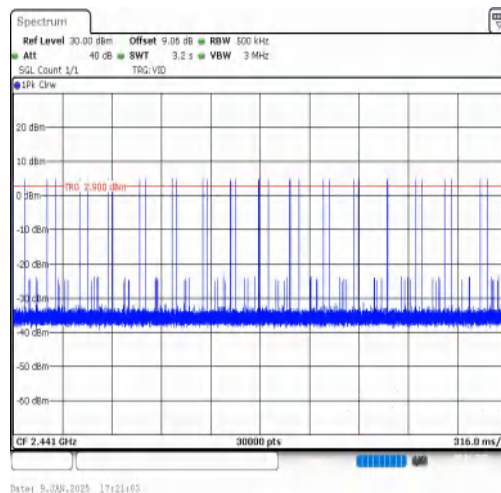
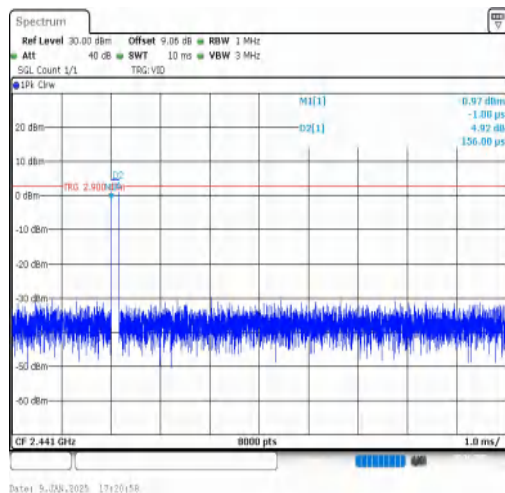
Appendix E: Time of occupancy

Test Result

Test Mode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.156	320	0.05	≤0.4	PASS
DH3	Ant1	Hop	0.164	150	0.025	≤0.4	PASS
DH5	Ant1	Hop	2.860	100	0.286	≤0.4	PASS
2DH1	Ant1	Hop	0.380	320	0.122	≤0.4	PASS
2DH3	Ant1	Hop	0.379	190	0.072	≤0.4	PASS
2DH5	Ant1	Hop	2.864	130	0.372	≤0.4	PASS
3DH1	Ant1	Hop	0.380	320	0.122	≤0.4	PASS
3DH3	Ant1	Hop	1.623	180	0.292	≤0.4	PASS
3DH5	Ant1	Hop	2.867	100	0.287	≤0.4	PASS

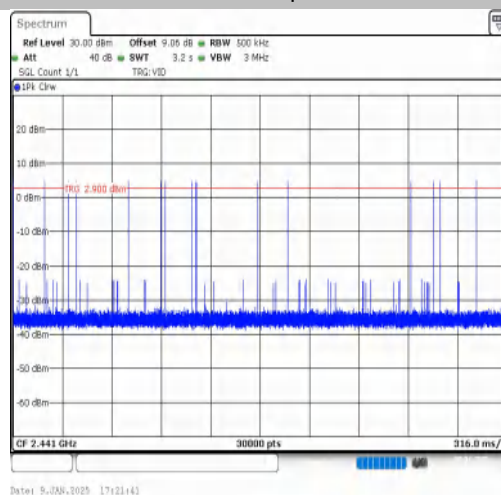
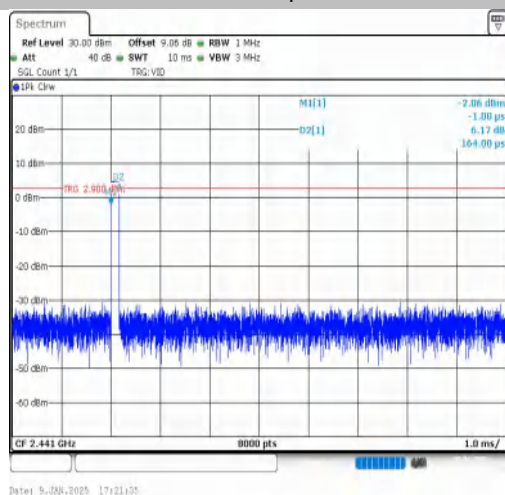


Test Graphs



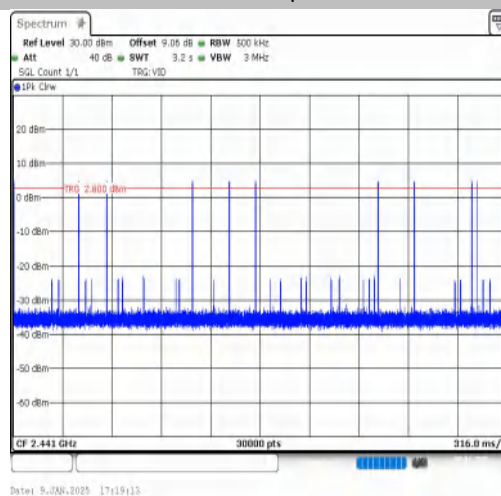
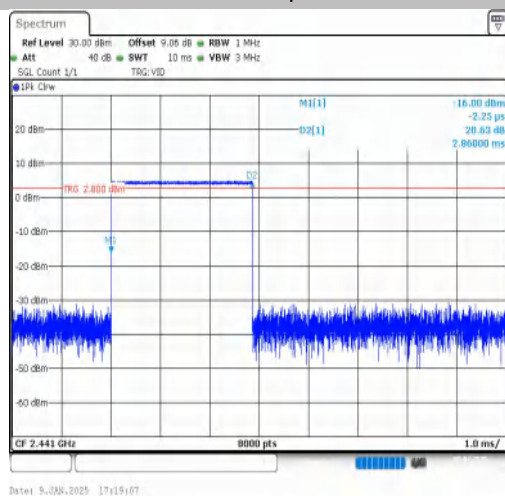
DH1-Ant1-Hop-PASS

DH1-Ant1-Hop-PASS



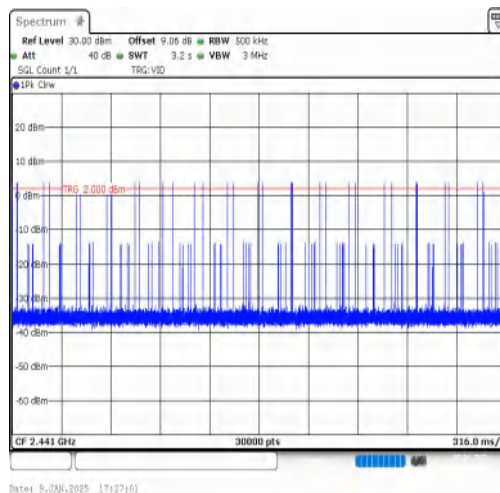
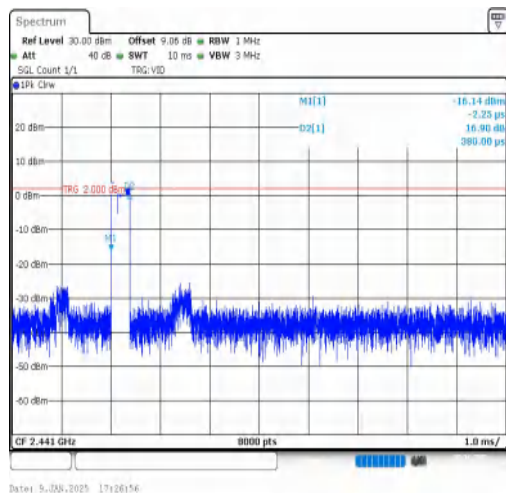
DH3-Ant1-Hop-PASS

DH3-Ant1-Hop-PASS



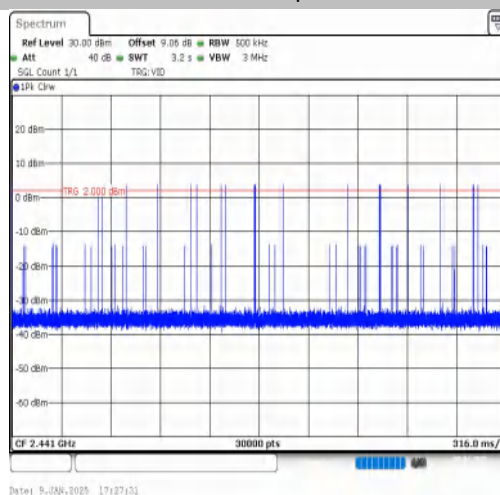
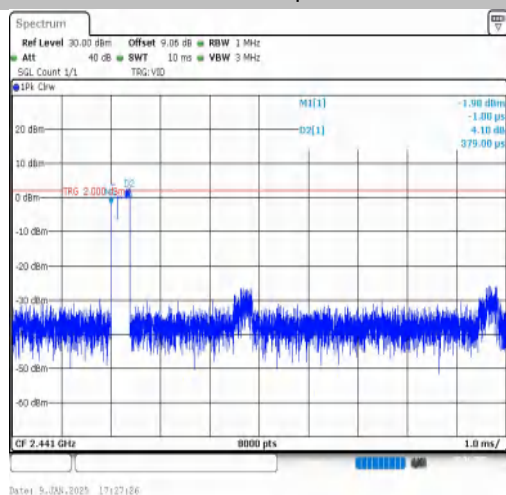
DH5-Ant1-Hop-PASS

DH5-Ant1-Hop-PASS



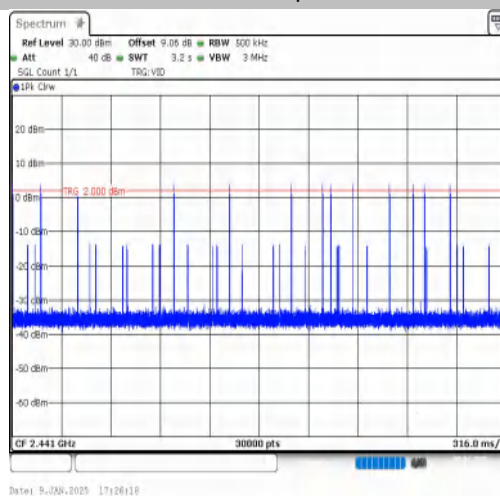
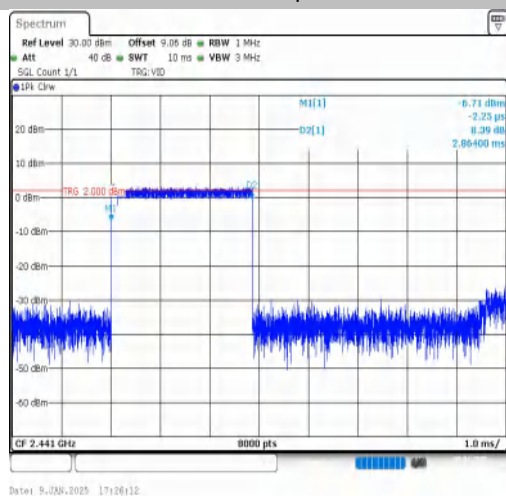
2DH1-Ant1-Hop-PASS

2DH1-Ant1-Hop-PASS



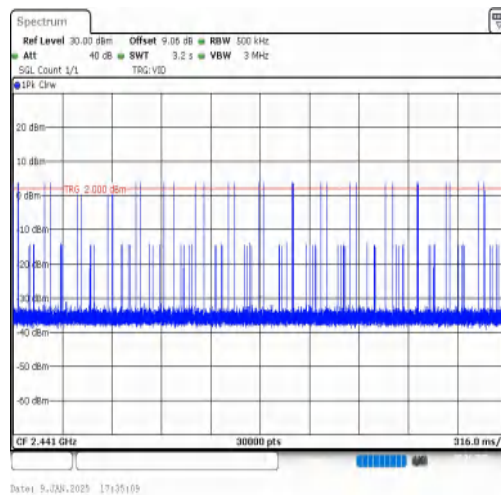
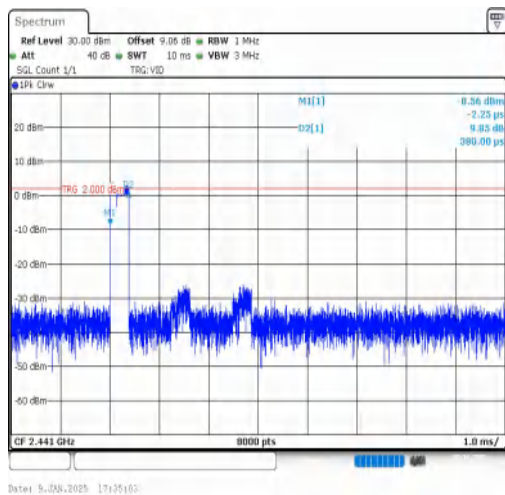
2DH3-Ant1-Hop-PASS

2DH3-Ant1-Hop-PASS



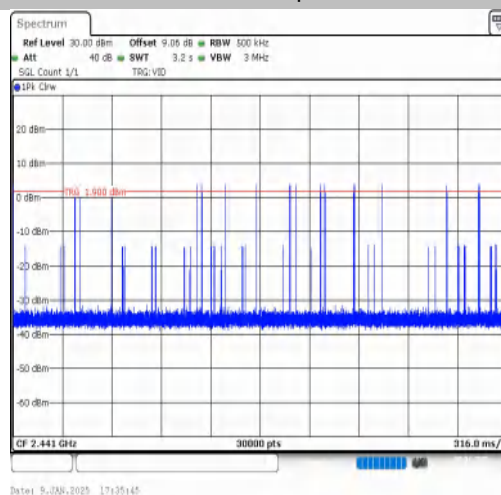
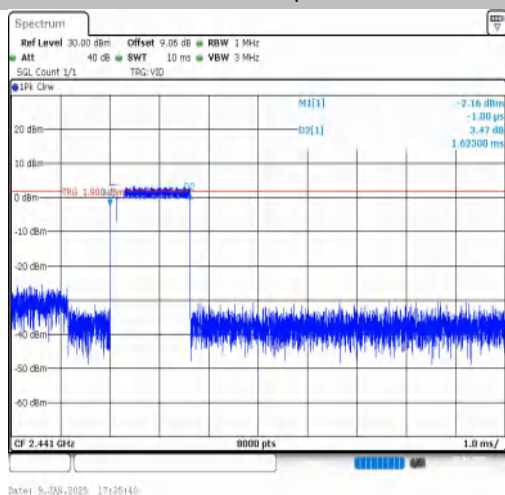
2DH5-Ant1-Hop-PASS

2DH5-Ant1-Hop-PASS



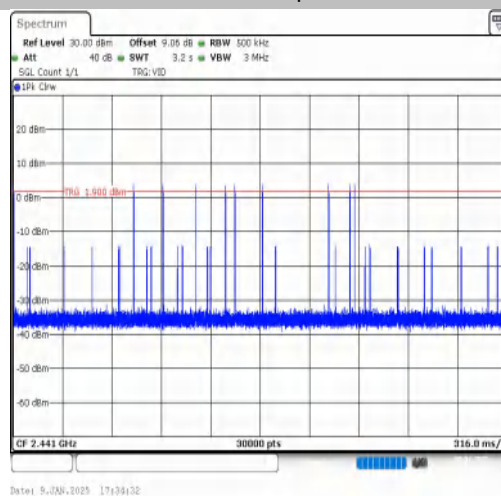
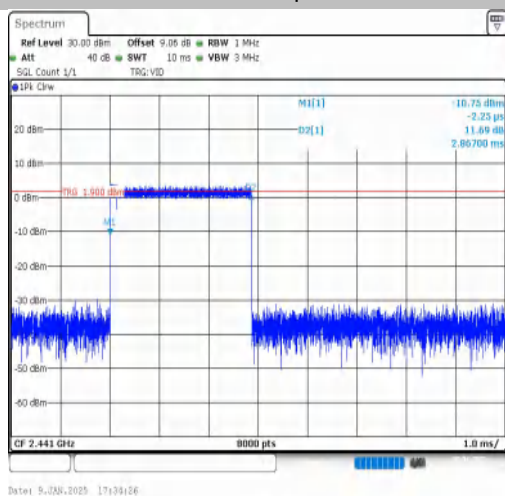
3DH1-Ant1-Hop-PASS

3DH1-Ant1-Hop-PASS



3DH3-Ant1-Hop-PASS

3DH3-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS

3DH5-Ant1-Hop-PASS



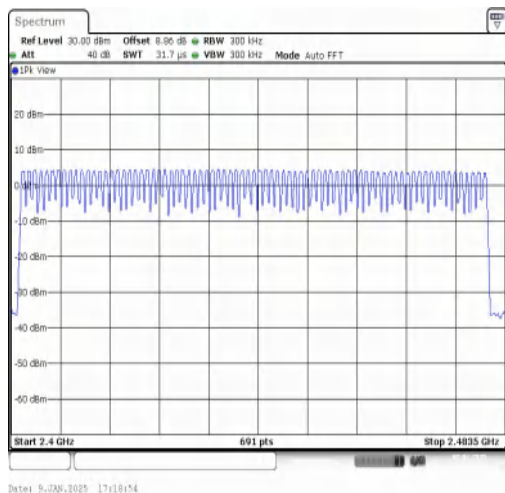
Appendix F: Number of hopping channels

Test Result

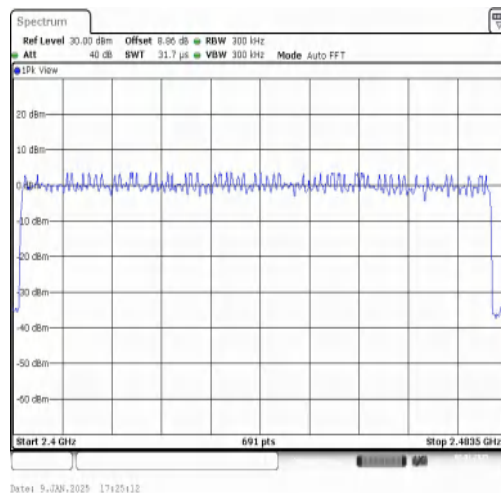
Test Mode	Antenna	Freq(MHz)	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS



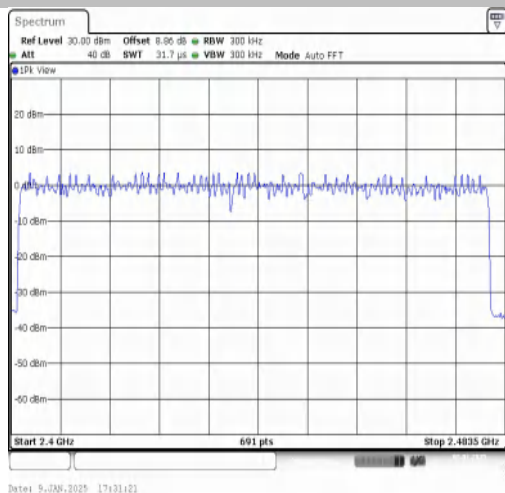
Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS



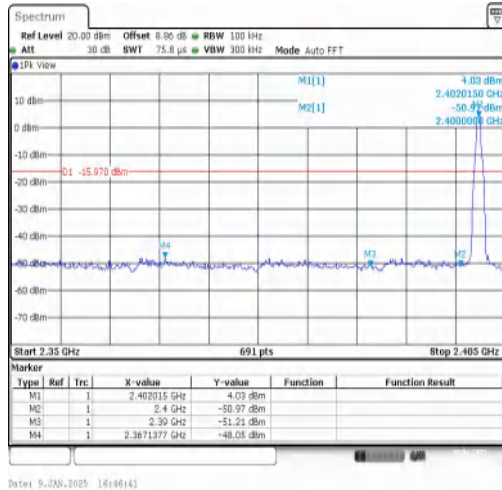
Appendix G: Band edge measurements

Test Result

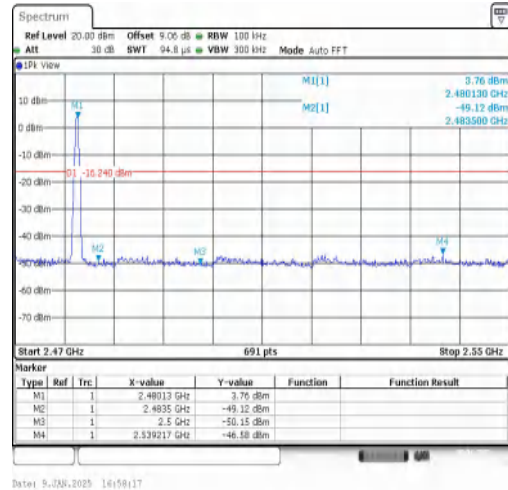
Test Mode	Antenna	ChName	Freq(MHz)	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	4.03	-48.05	≤ -15.97	PASS
DH5	Ant1	High	2480	3.76	-46.58	≤ -16.24	PASS
DH5	Ant1	Low	Hop_2402	3.84	-47.89	≤ -16.16	PASS
DH5	Ant1	High	Hop_2480	3.89	-46.38	≤ -16.11	PASS
2DH5	Ant1	Low	2402	2.90	-47.71	≤ -17.1	PASS
2DH5	Ant1	High	2480	3.18	-47.21	≤ -16.82	PASS
2DH5	Ant1	Low	Hop_2402	0.81	-48.34	≤ -19.19	PASS
2DH5	Ant1	High	Hop_2480	2.47	-46.98	≤ -17.53	PASS
3DH5	Ant1	Low	2402	3.47	-47.77	≤ -16.53	PASS
3DH5	Ant1	High	2480	3.28	-36.69	≤ -16.72	PASS
3DH5	Ant1	Low	Hop_2402	0.85	-48.37	≤ -19.15	PASS
3DH5	Ant1	High	Hop_2480	2.91	-47.4	≤ -17.09	PASS



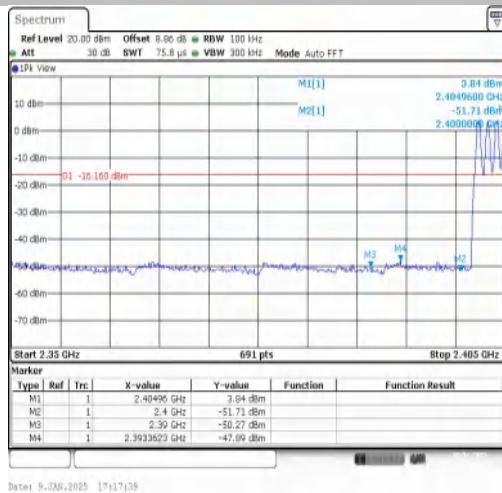
Test Graphs



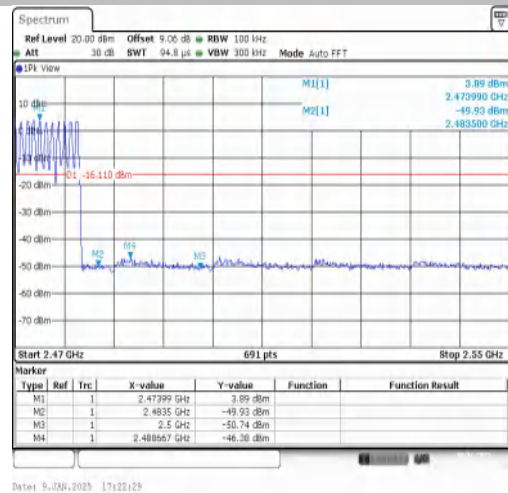
DH5-Ant1-2402-PASS



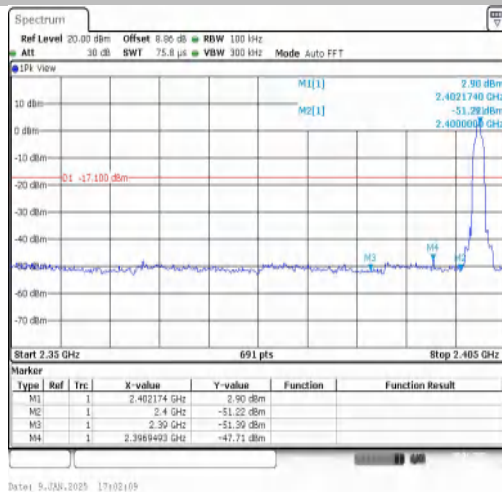
DH5-Ant1-2480-PASS



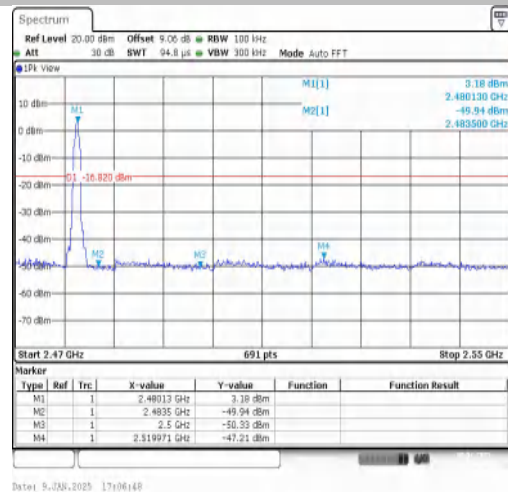
DH5-Ant1-Hop_2402-PASS



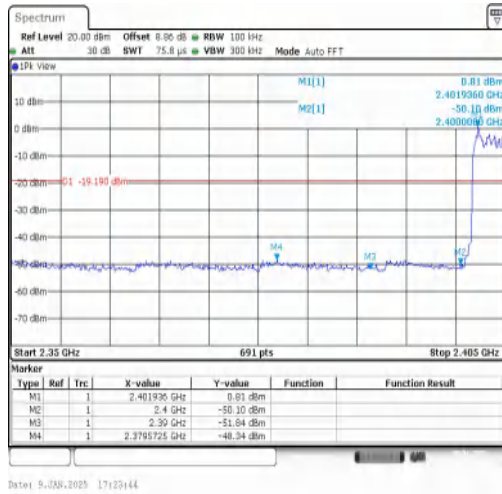
DH5-Ant1-Hop_2480-PASS



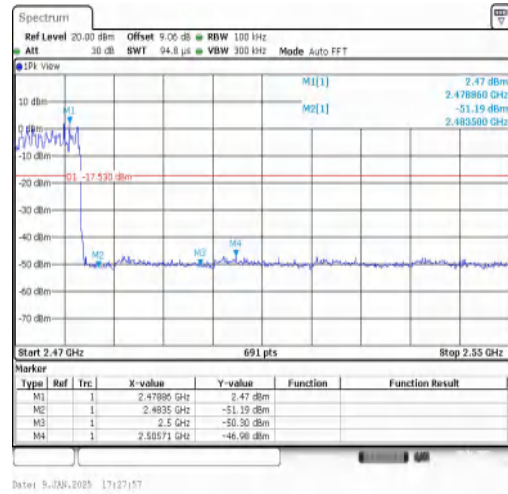
2DH5-Ant1-2402-PASS



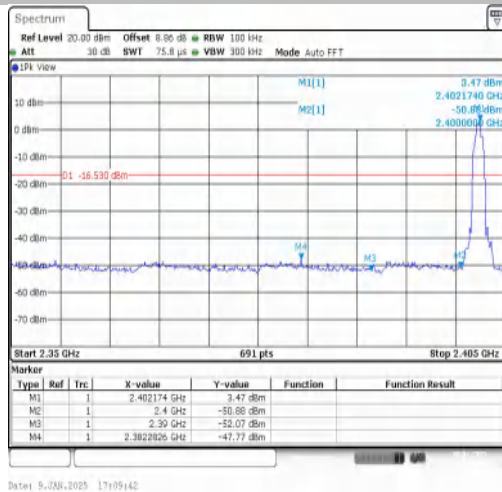
2DH5-Ant1-2480-PASS



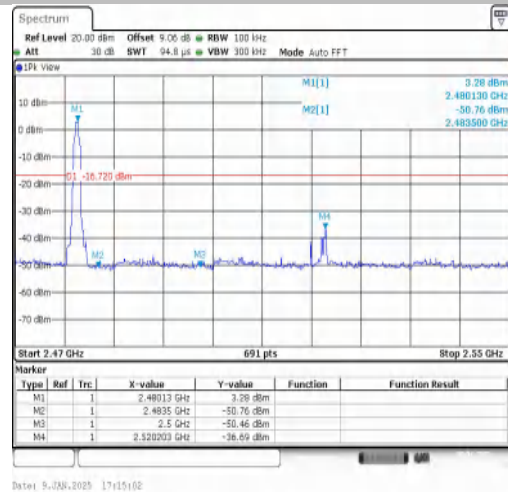
2DH5-Ant1-Hop_2402-PASS



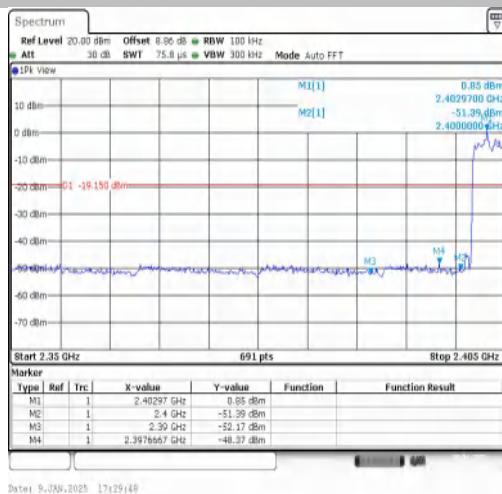
2DH5-Ant1-Hop_2480-PASS



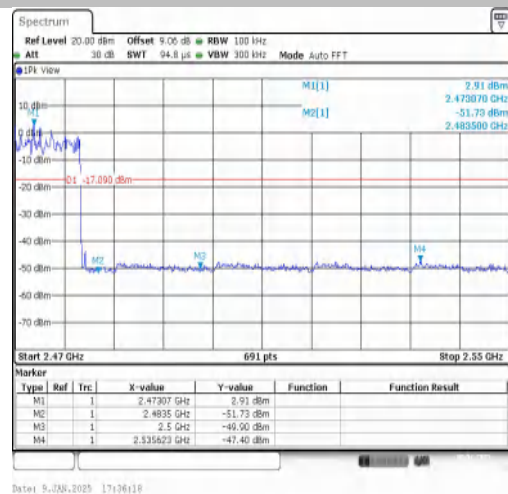
3DH5-Ant1-2402-PASS



3DH5-Ant1-2480-PASS



3DH5-Ant1-Hop_2402-PASS



3DH5-Ant1-Hop_2480-PASS



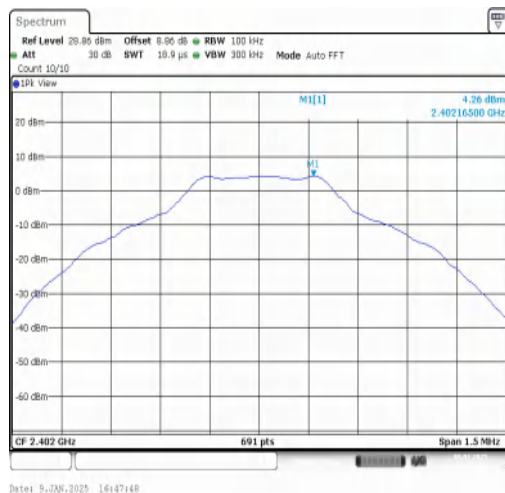
Appendix H: Conducted Spurious Emission

Test Result

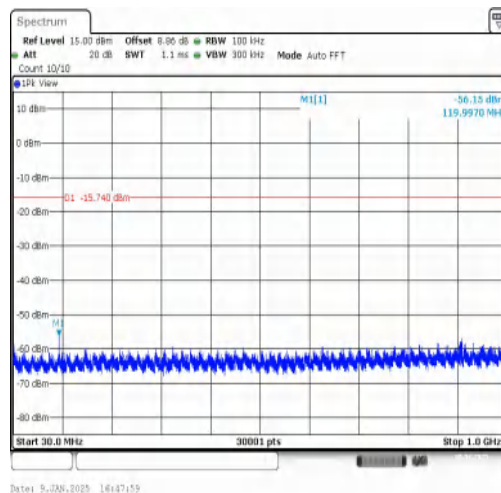
Test Mode	Antenna	Freq(MHz)	Freq Range [MHz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	4.26	4.26	---	PASS
DH5	Ant1	2402	30~1000	4.26	-56.15	≤-15.74	PASS
DH5	Ant1	2402	1000~26500	4.26	-47	≤-15.74	PASS
DH5	Ant1	2441	0~Reference	4.64	4.64	---	PASS
DH5	Ant1	2441	30~1000	4.64	-46.39	≤-15.36	PASS
DH5	Ant1	2441	1000~26500	4.64	-47.58	≤-15.36	PASS
DH5	Ant1	2480	0~Reference	3.93	3.93	---	PASS
DH5	Ant1	2480	30~1000	3.93	-40.15	≤-16.07	PASS
DH5	Ant1	2480	1000~26500	3.93	-47.89	≤-16.07	PASS
2DH5	Ant1	2402	0~Reference	3.63	3.63	---	PASS
2DH5	Ant1	2402	30~1000	3.63	-56.71	≤-16.37	PASS
2DH5	Ant1	2402	1000~26500	3.63	-46.92	≤-16.37	PASS
2DH5	Ant1	2441	0~Reference	4.04	4.04	---	PASS
2DH5	Ant1	2441	30~1000	4.04	-44.9	≤-15.96	PASS
2DH5	Ant1	2441	1000~26500	4.04	-47.67	≤-15.96	PASS
2DH5	Ant1	2480	0~Reference	3.35	3.35	---	PASS
2DH5	Ant1	2480	30~1000	3.35	-55.76	≤-16.65	PASS
2DH5	Ant1	2480	1000~26500	3.35	-47.46	≤-16.65	PASS
3DH5	Ant1	2402	0~Reference	3.62	3.62	---	PASS
3DH5	Ant1	2402	30~1000	3.62	-52.92	≤-16.38	PASS
3DH5	Ant1	2402	1000~26500	3.62	-44.23	≤-16.38	PASS
3DH5	Ant1	2441	0~Reference	3.98	3.98	---	PASS
3DH5	Ant1	2441	30~1000	3.98	-45.4	≤-16.02	PASS
3DH5	Ant1	2441	1000~26500	3.98	-38.83	≤-16.02	PASS
3DH5	Ant1	2480	0~Reference	3.31	3.31	---	PASS
3DH5	Ant1	2480	30~1000	3.31	-56.95	≤-16.69	PASS
3DH5	Ant1	2480	1000~26500	3.31	-41.28	≤-16.69	PASS



Test Graphs



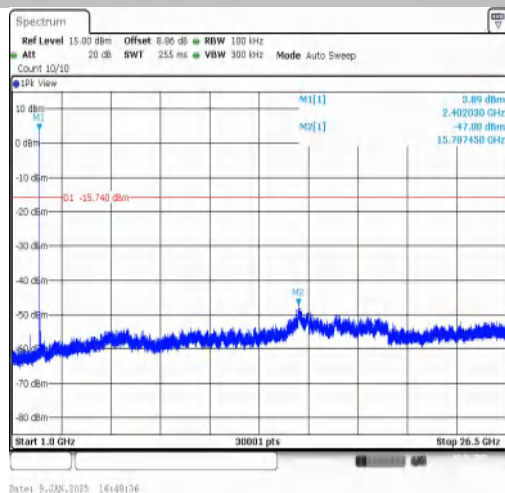
Date: 9-JAN-2025 16:47:48



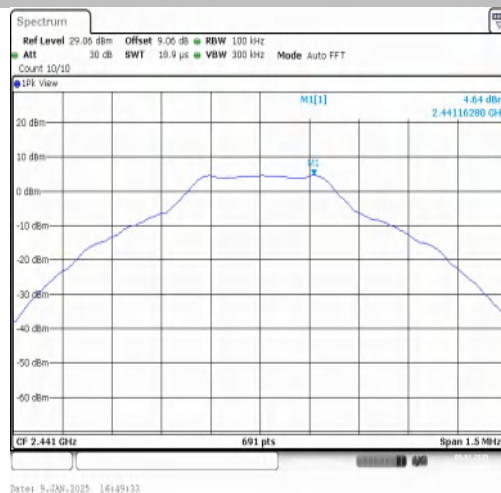
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DH5-Ant1-2402-0~Reference-PASS

DH5-Ant1-2402-30~1000-PASS



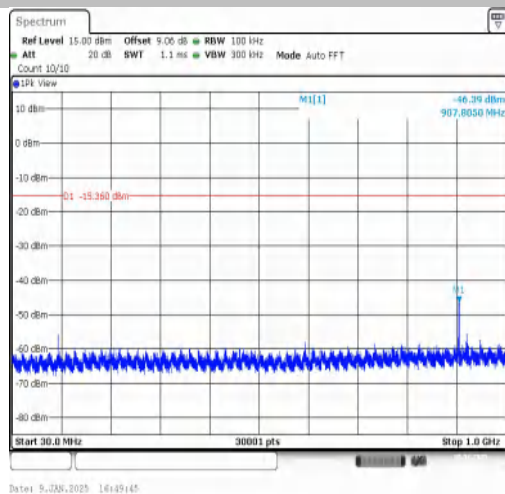
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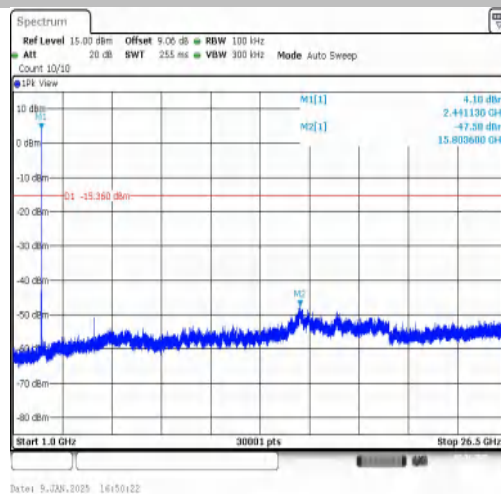
Date: 9-JAN-2025 16:49:33

DH5-Ant1-2402-1000~26500-PASS

DH5-Ant1-2441-0~Reference-PASS



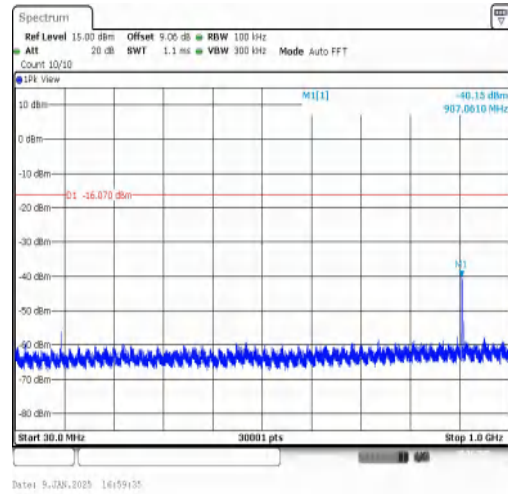
Date: 9-JAN-2025 16:49:45



Date: 9-JAN-2025 16:50:22

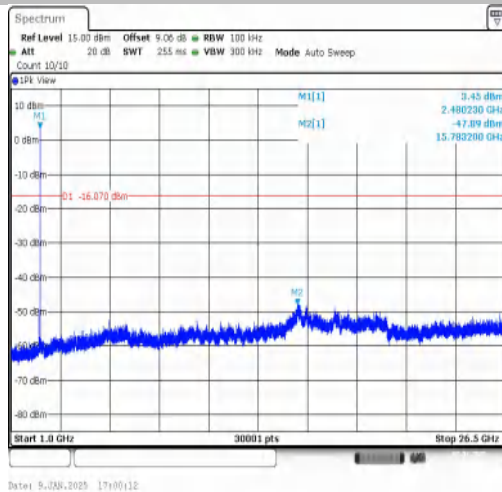
DH5-Ant1-2441-30~1000-PASS

DH5-Ant1-2441-1000~26500-PASS



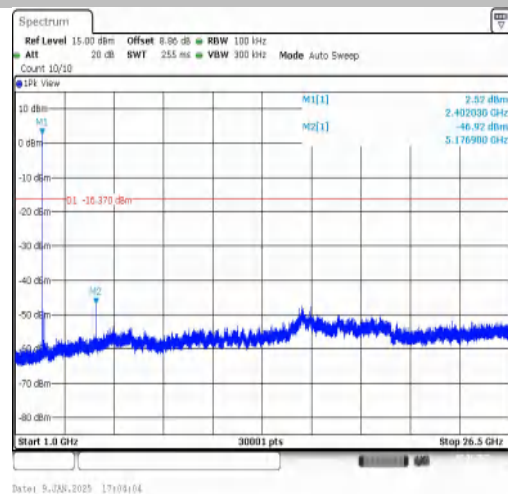
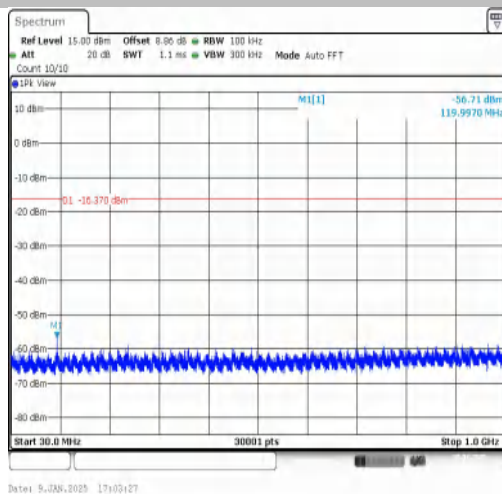
DH5-Ant1-2480-0~Reference-PASS

DH5-Ant1-2480-30~1000-PASS



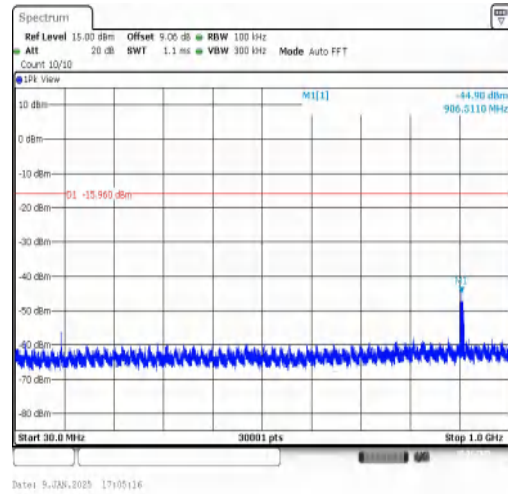
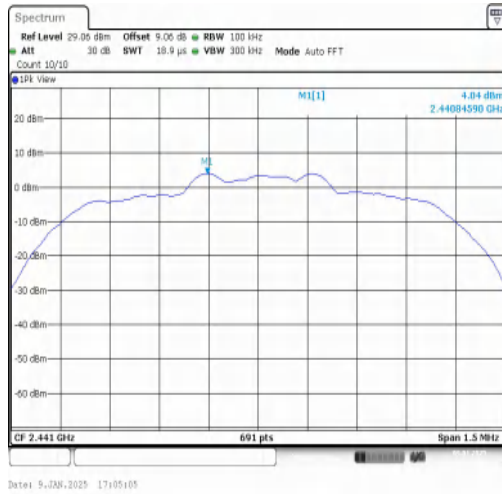
DH5-Ant1-2480-1000~26500-PASS

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



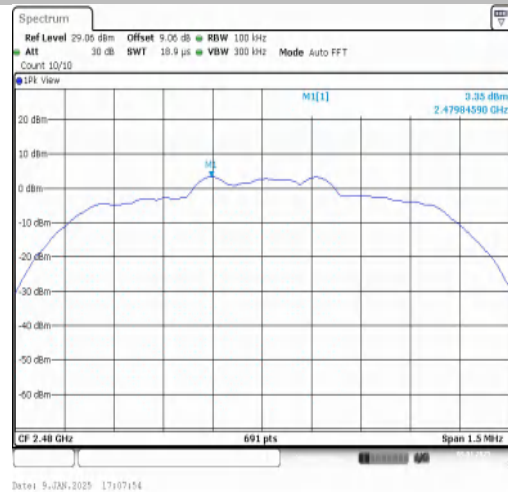
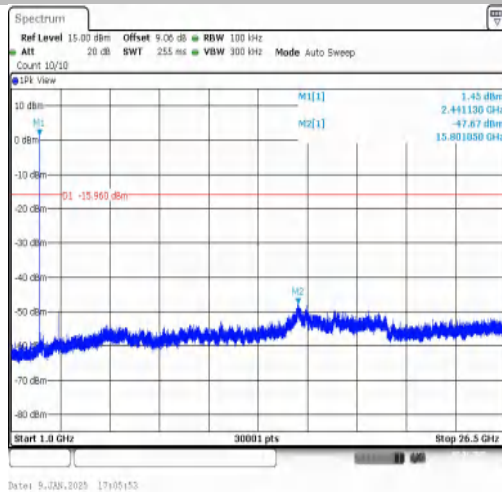
2DH5-Ant1-2402-30~1000-PASS

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



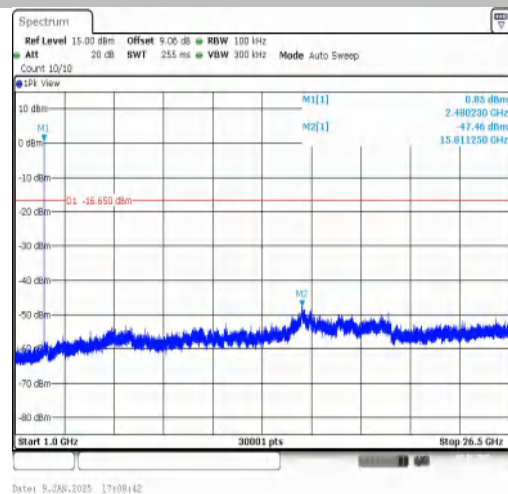
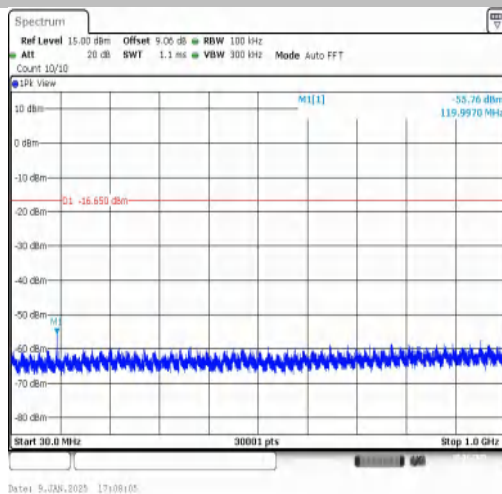
2DH5-Ant1-2441-0~Reference-PASS

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



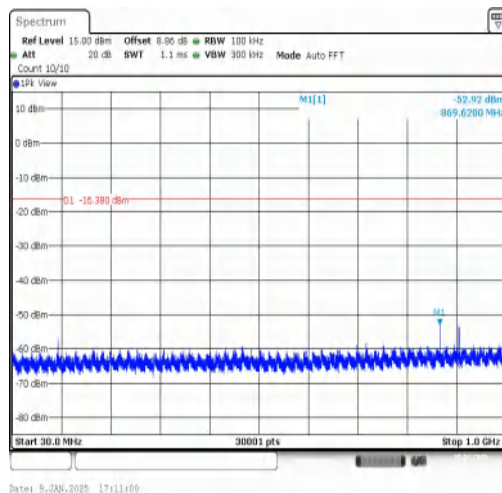
2DH5-Ant1-2441-1000~26500-PASS

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



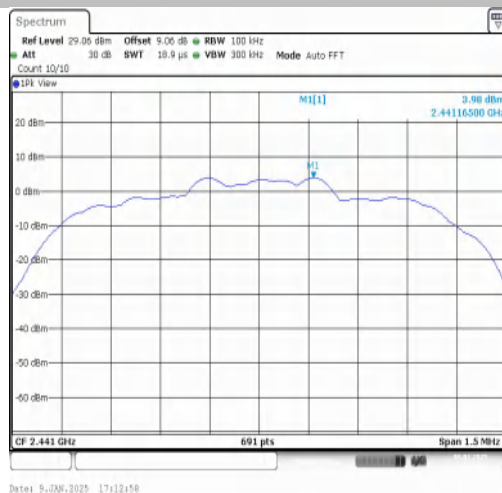
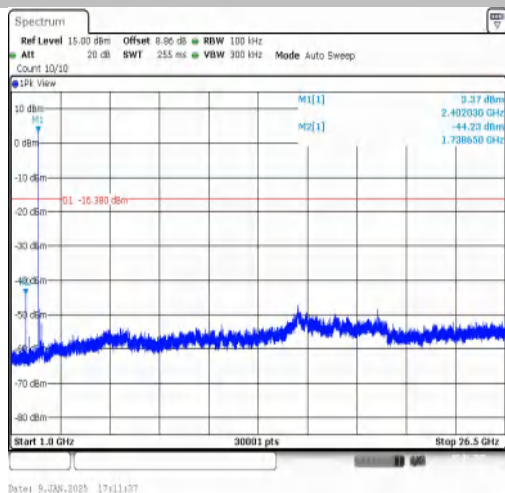
2DH5-Ant1-2480-30~1000-PASS

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



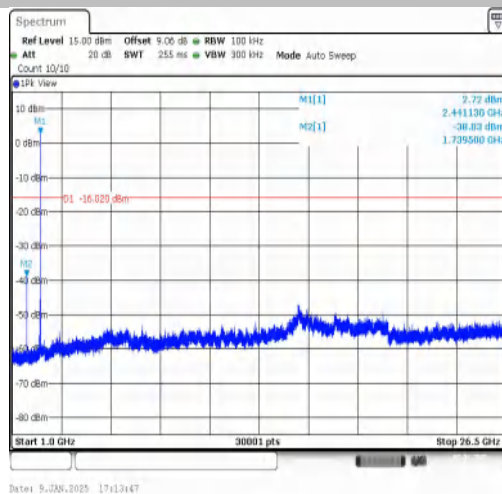
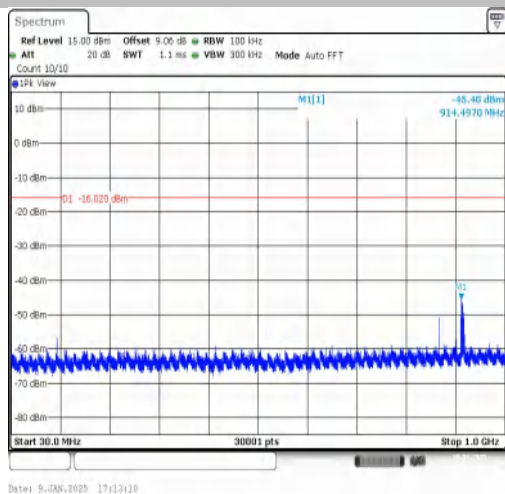
3DH5-Ant1-2402-0~Reference-PASS

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



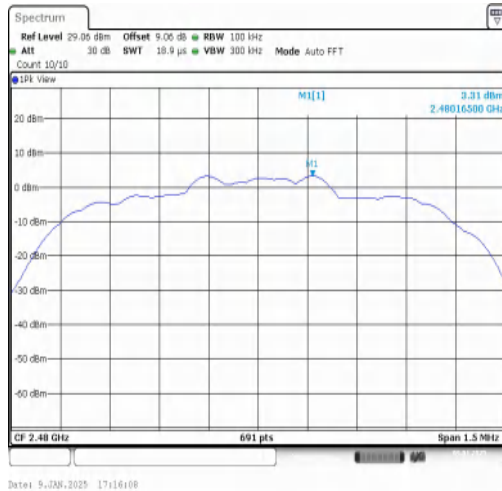
3DH5-Ant1-2402-1000~26500-PASS

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

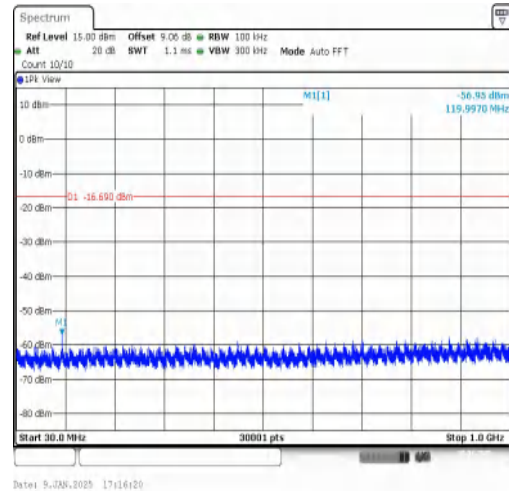


3DH5-Ant1-2441-30~1000-PASS

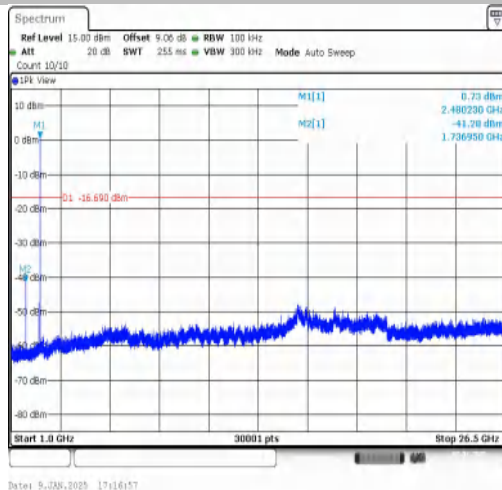
3DH5-Ant1-2441-1000~26500-PASS



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



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



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



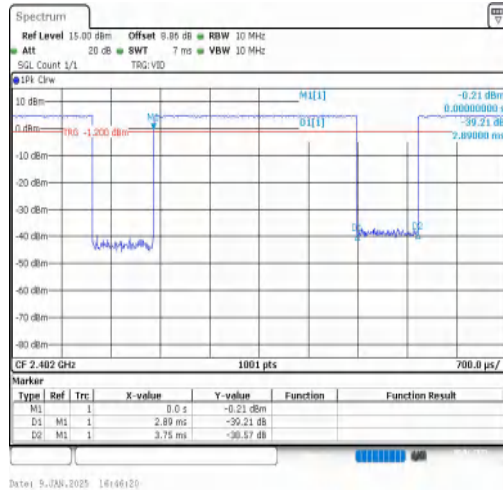
Appendix I: Duty Cycle

Test Result

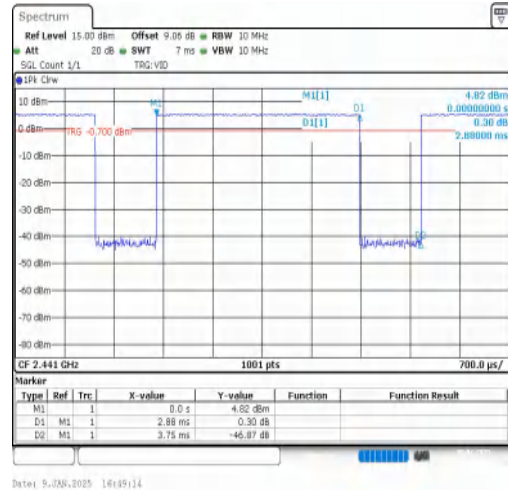
Test Mode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	DC Factor (dB)
DH5	Ant1	2402	2.89	3.75	77.07	1.13
DH5	Ant1	2441	2.88	3.75	76.80	1.15
DH5	Ant1	2480	2.89	3.75	77.07	1.13
2DH5	Ant1	2402	2.89	3.75	77.07	1.13
2DH5	Ant1	2441	2.89	3.75	77.07	1.13
2DH5	Ant1	2480	2.88	3.74	77.01	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



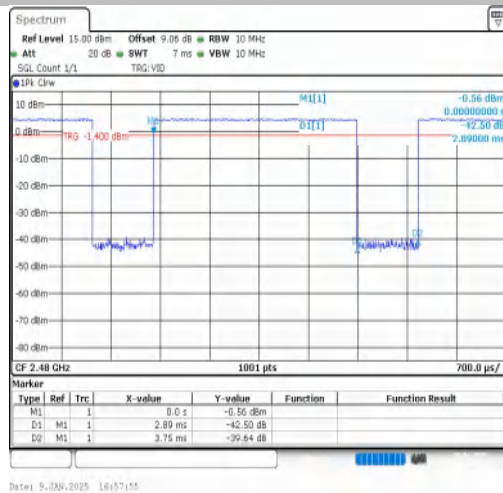
Test Graphs



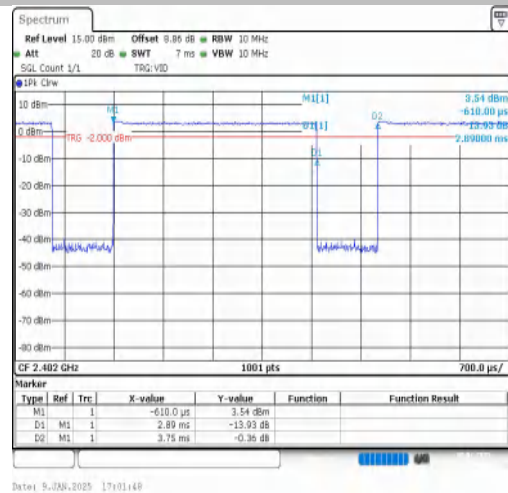
NTNV-DH5-Ant1-2402



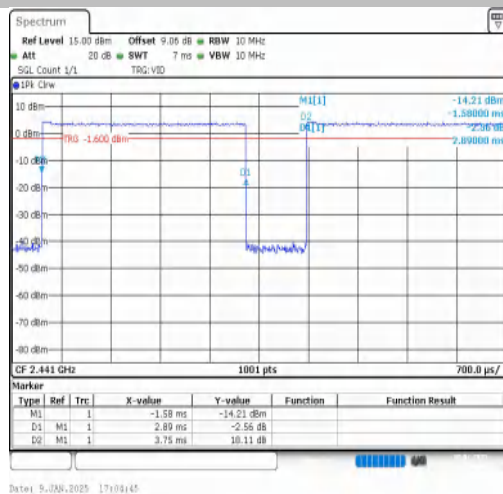
NTNV-DH5-Ant1-2441



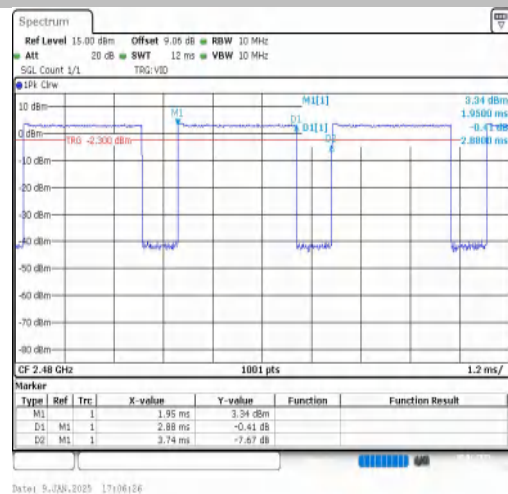
NTNV-DH5-Ant1-2480



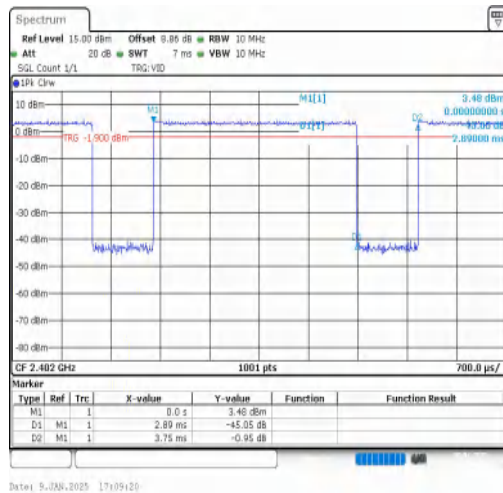
NTNV-2DH5-Ant1-2402



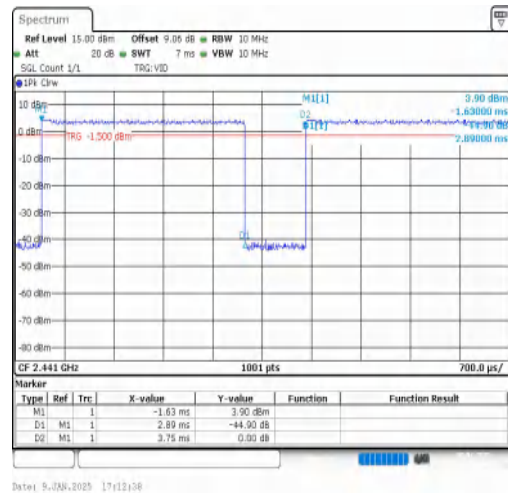
NTNV-2DH5-Ant1-2441



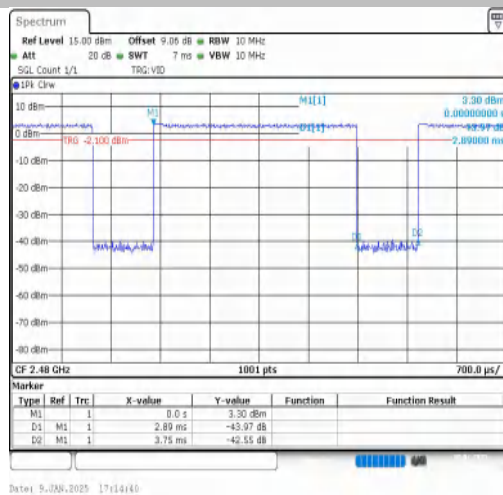
NTNV-2DH5-Ant1-2480



NTNV-3DH5-Ant1-2402



NTNV-3DH5-Ant1-2441



NTNV-3DH5-Ant1-2480

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