

Appendix: Bluetooth Classic

Contents

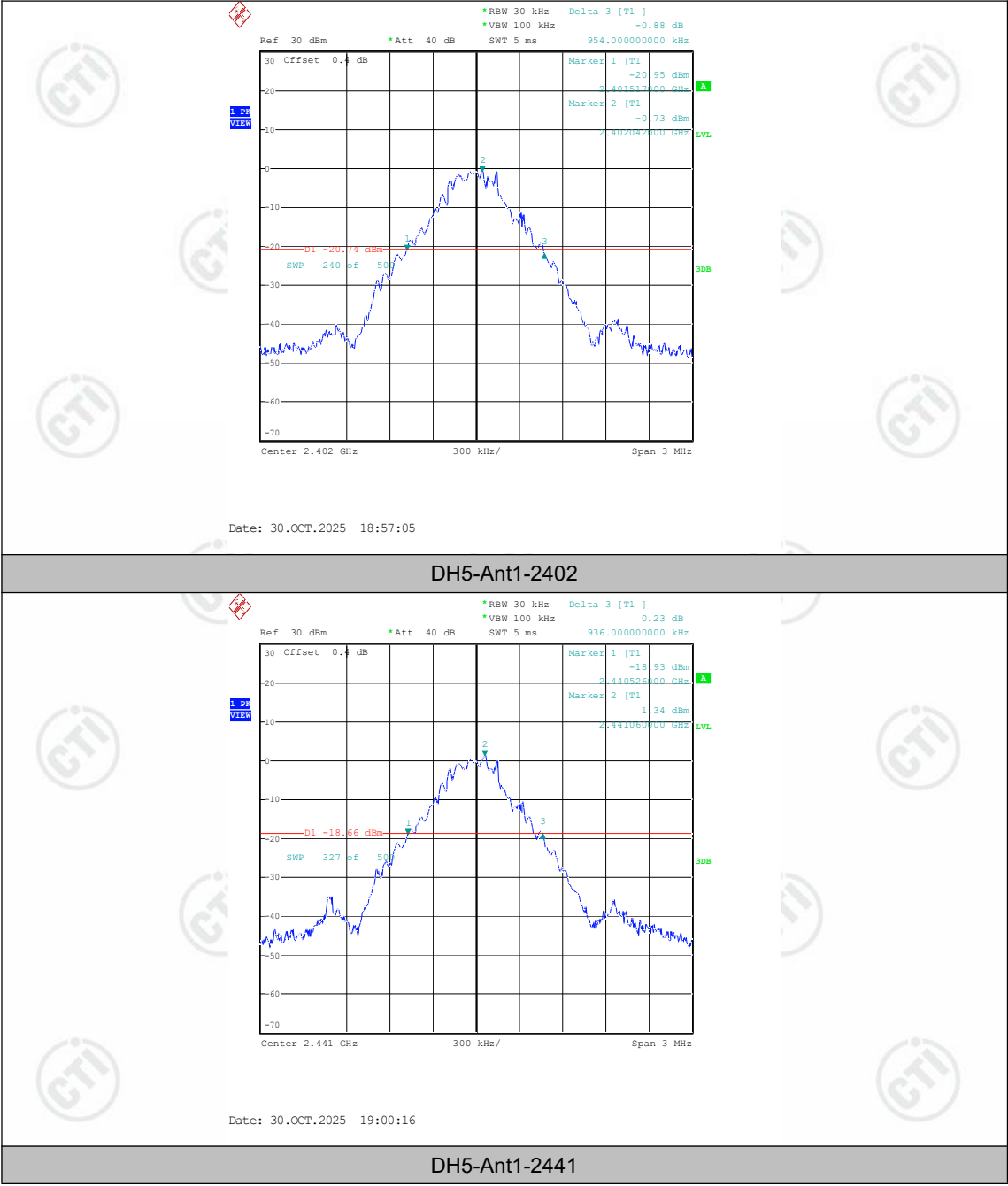
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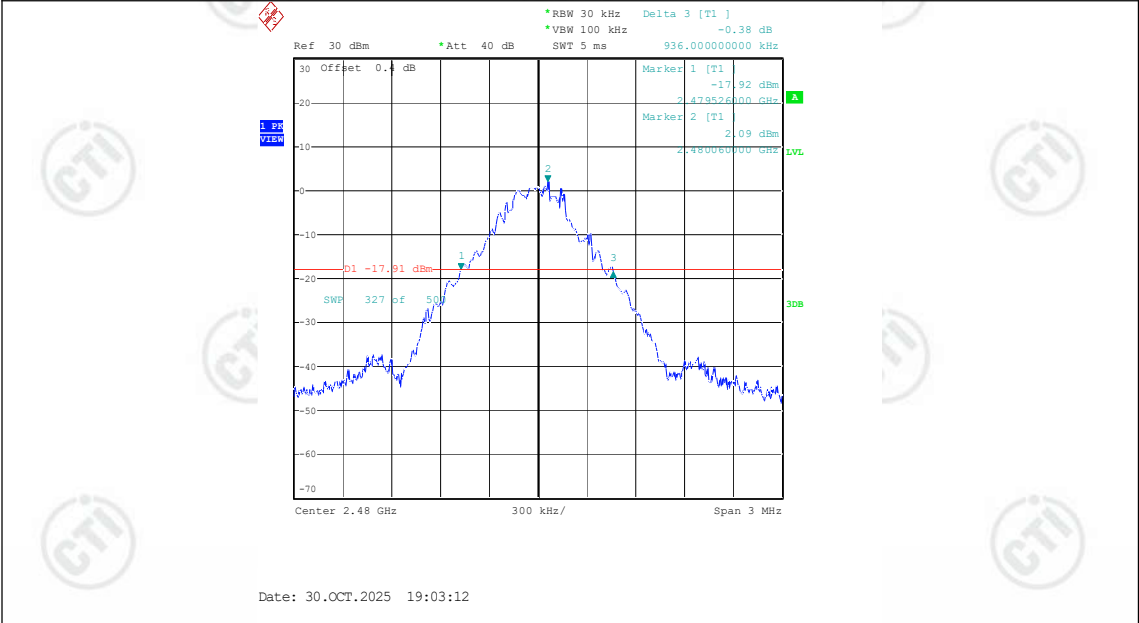
Appendix A: 20dB Emission Bandwidth

Test Result

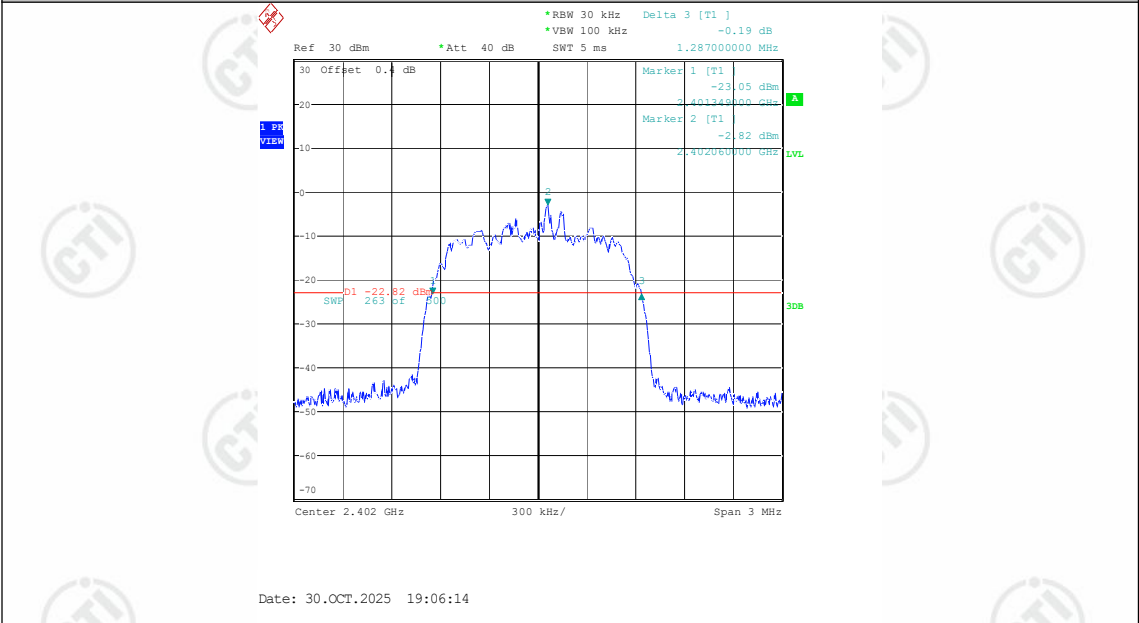
TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.95	2401.52	2402.47	---	---
DH5	Ant1	2441	0.94	2440.53	2441.46	---	---
DH5	Ant1	2480	0.94	2479.53	2480.46	---	---
2DH5	Ant1	2402	1.29	2401.35	2402.64	---	---
2DH5	Ant1	2441	1.29	2440.35	2441.64	---	---
2DH5	Ant1	2480	1.29	2479.35	2480.64	---	---
3DH5	Ant1	2402	1.30	2401.33	2402.64	---	---
3DH5	Ant1	2441	1.31	2440.33	2441.64	---	---
3DH5	Ant1	2480	1.31	2479.33	2480.64	---	---

Test Graphs

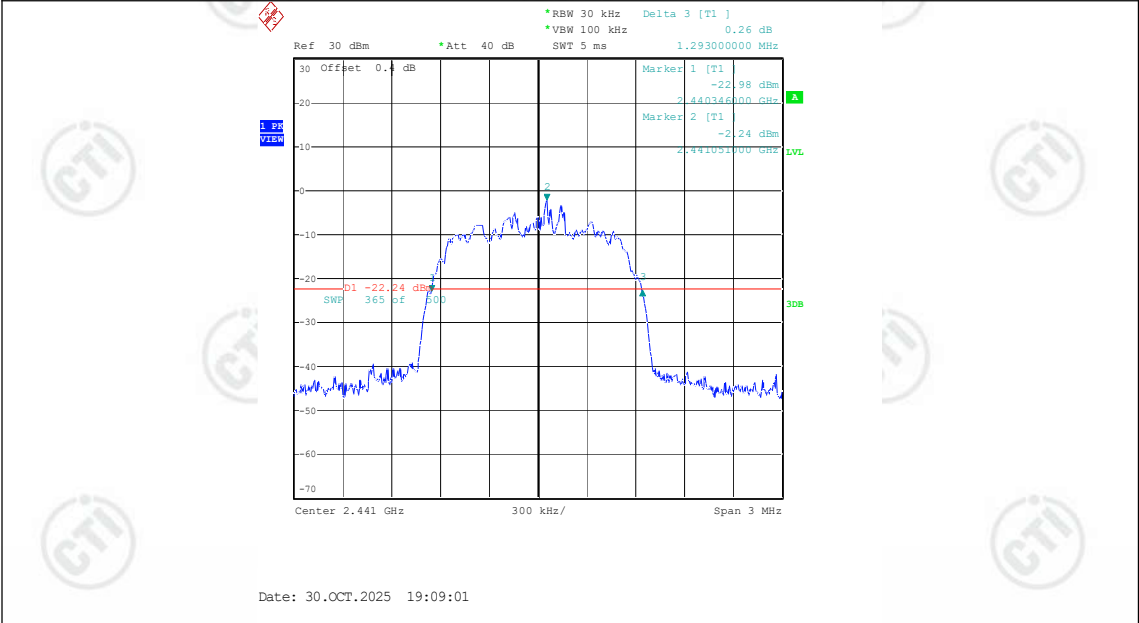




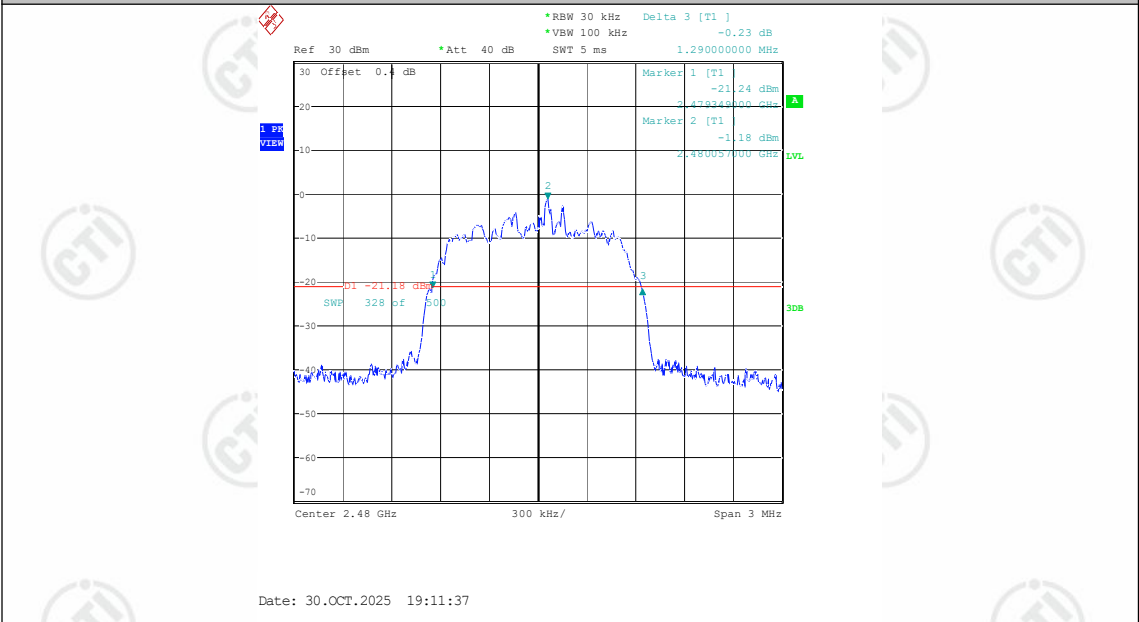
DH5-Ant1-2480



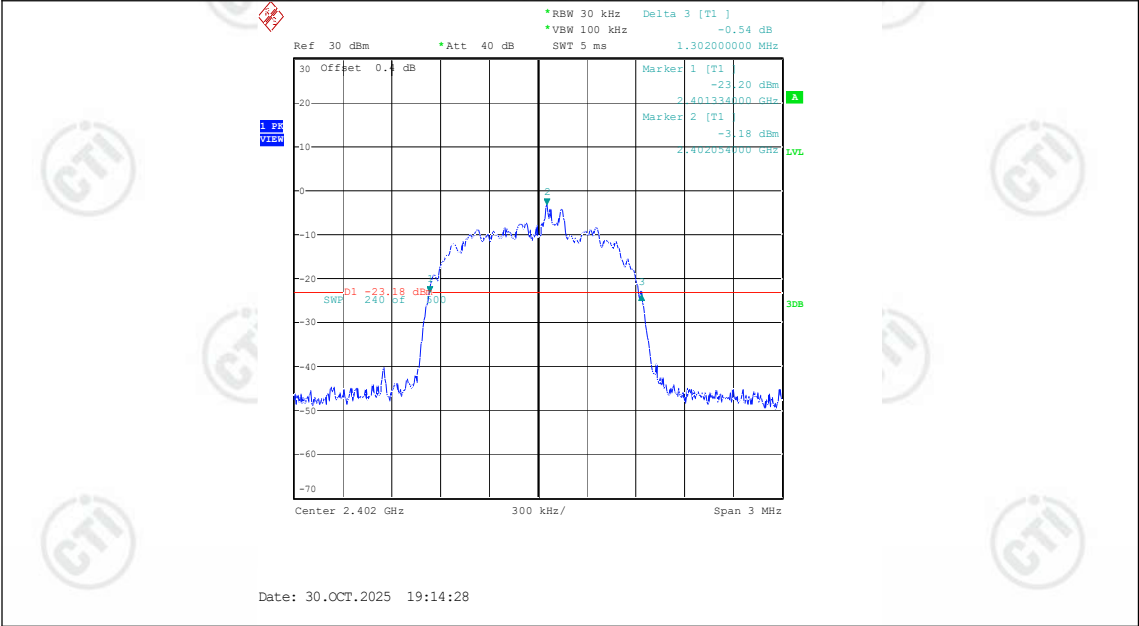
2DH5-Ant1-2402



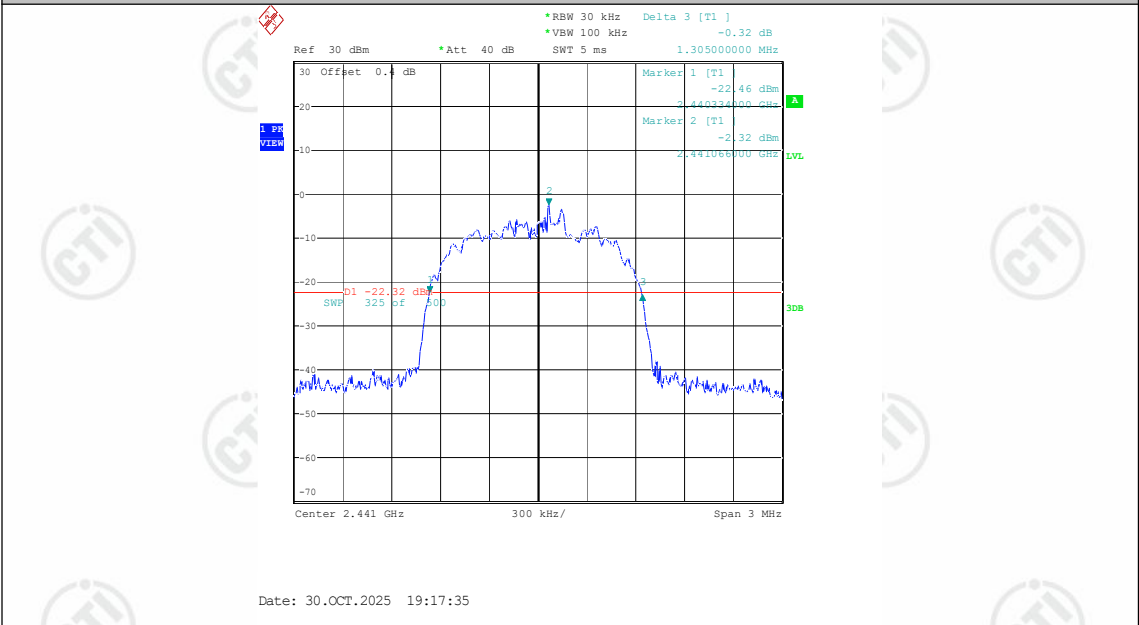
2DH5-Ant1-2441



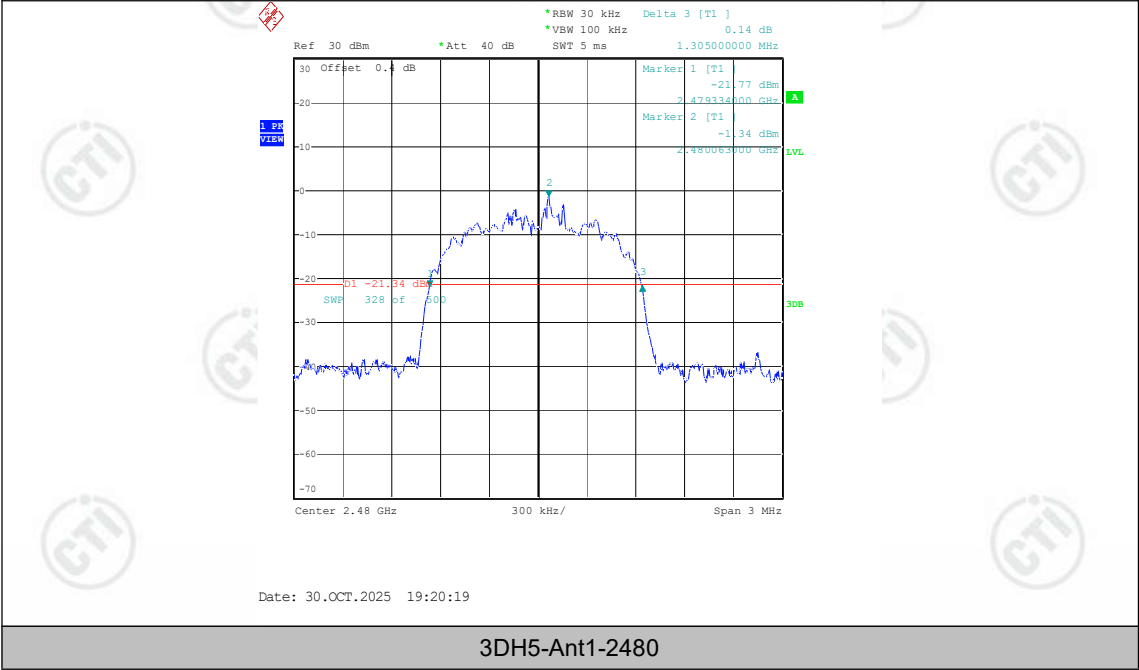
2DH5-Ant1-2480



3DH5-Ant1-2402



3DH5-Ant1-2441

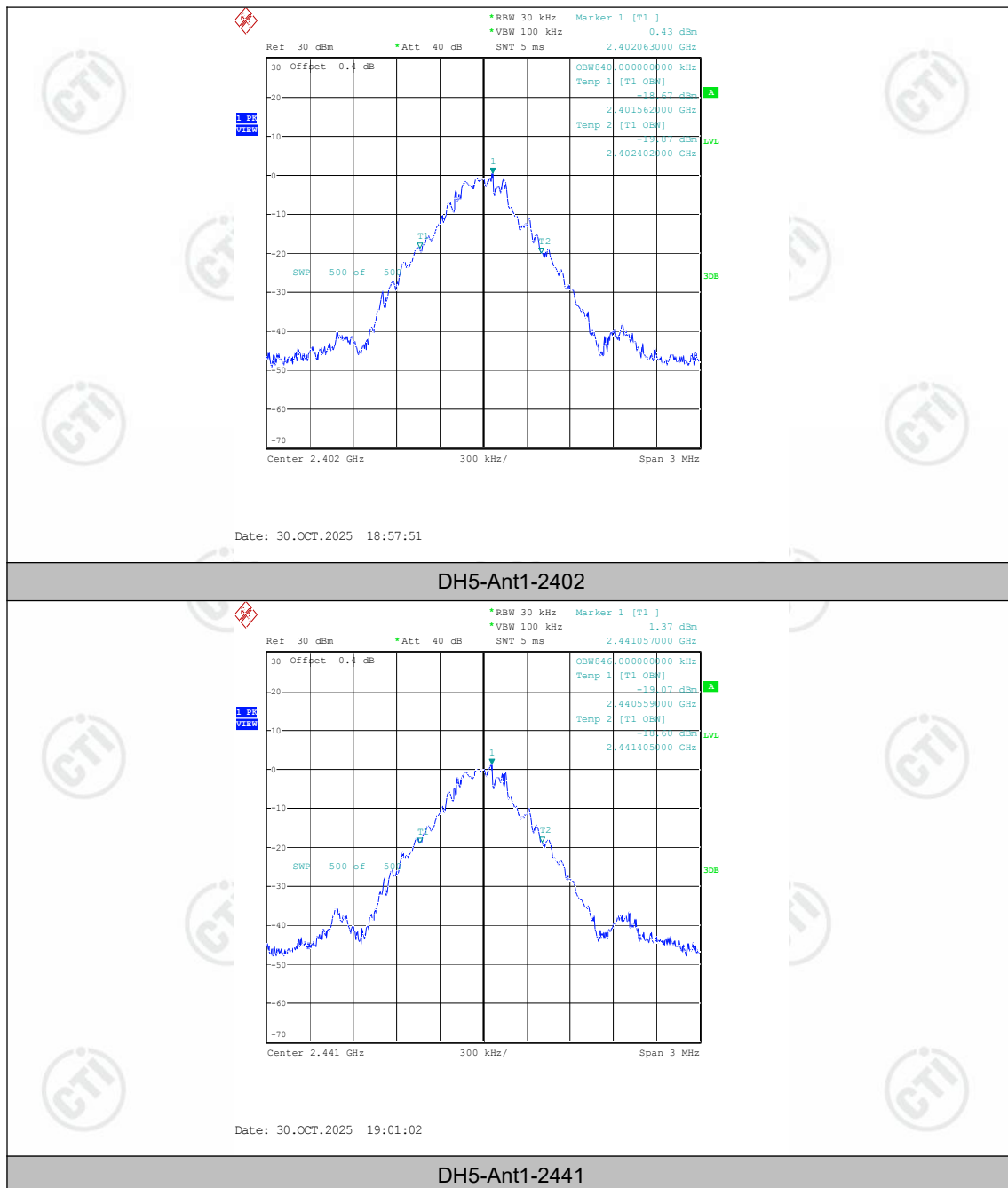


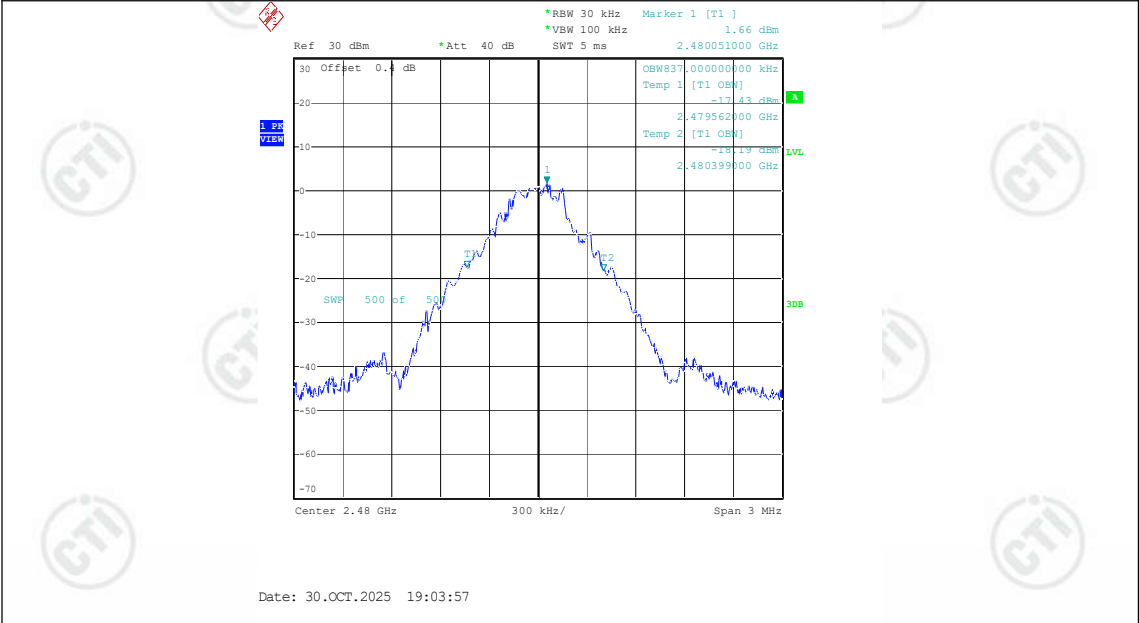
Appendix B: Occupied Channel Bandwidth

Test Result

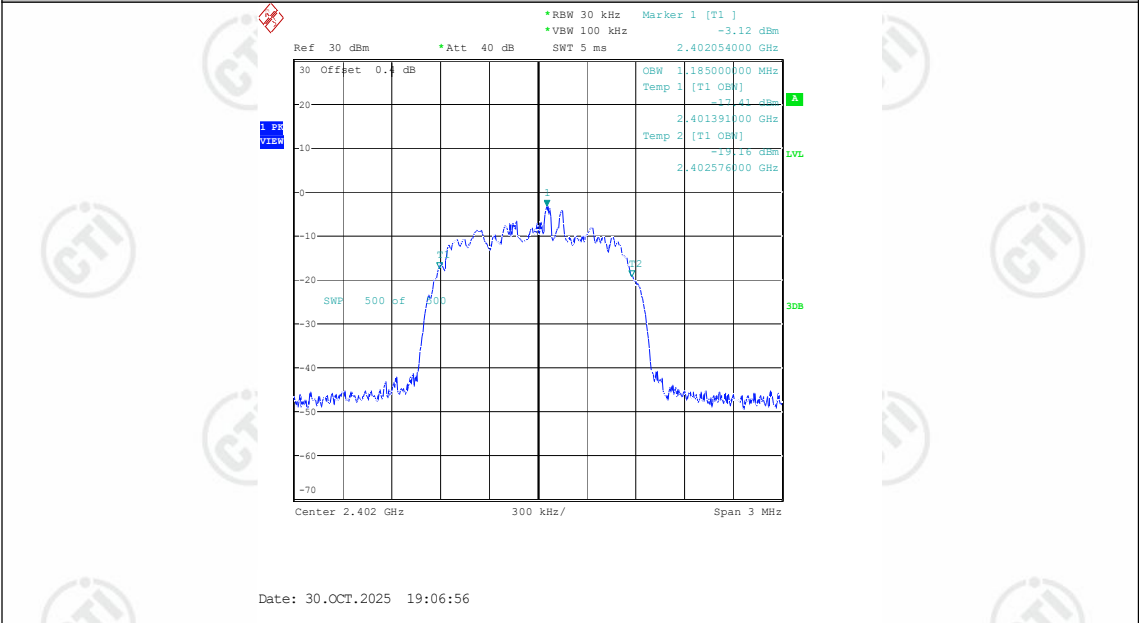
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.84000	---	---
DH5	Ant1	2441	0.84600	---	---
DH5	Ant1	2480	0.83700	---	---
2DH5	Ant1	2402	1.1850	---	---
2DH5	Ant1	2441	1.1850	---	---
2DH5	Ant1	2480	1.1940	---	---
3DH5	Ant1	2402	1.1910	---	---
3DH5	Ant1	2441	1.2000	---	---
3DH5	Ant1	2480	1.1940	---	---

Test Graphs

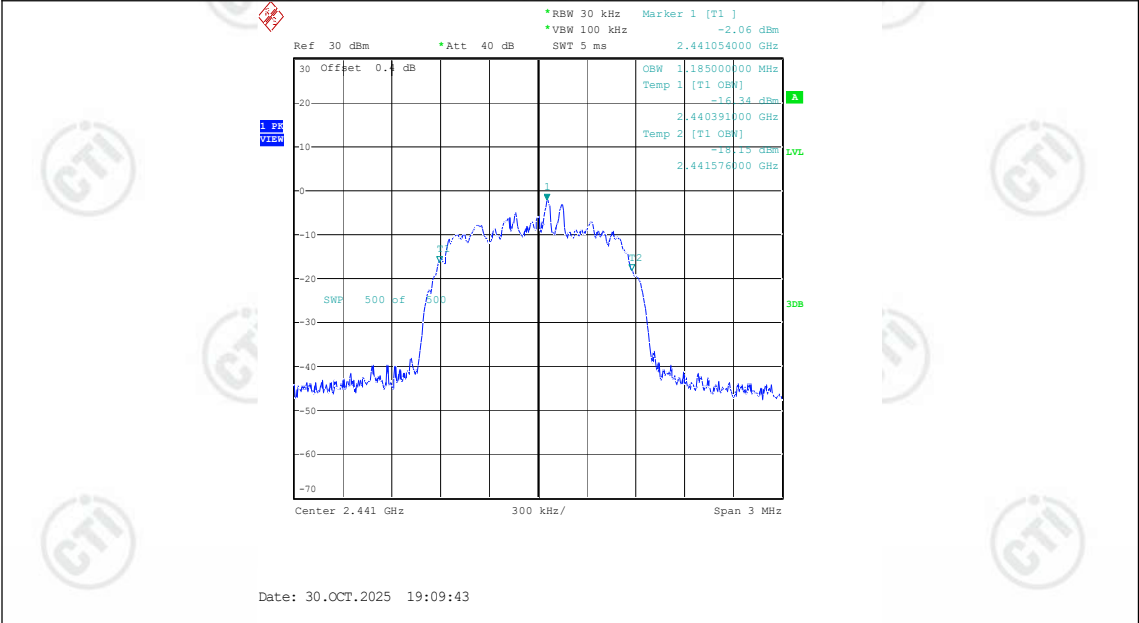




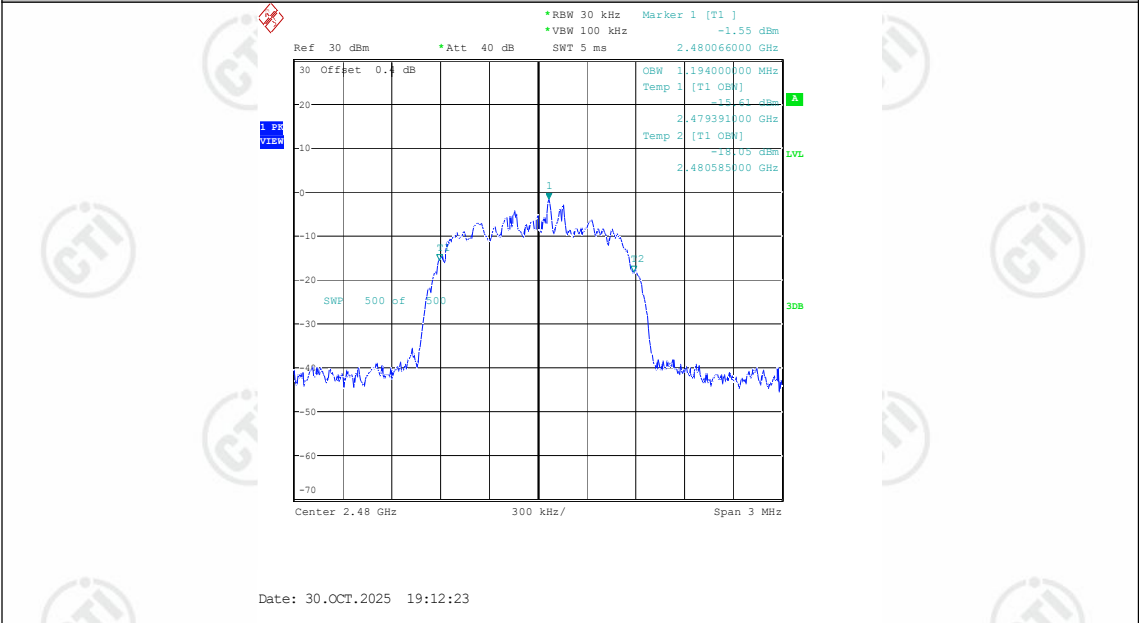
DH5-Ant1-2480



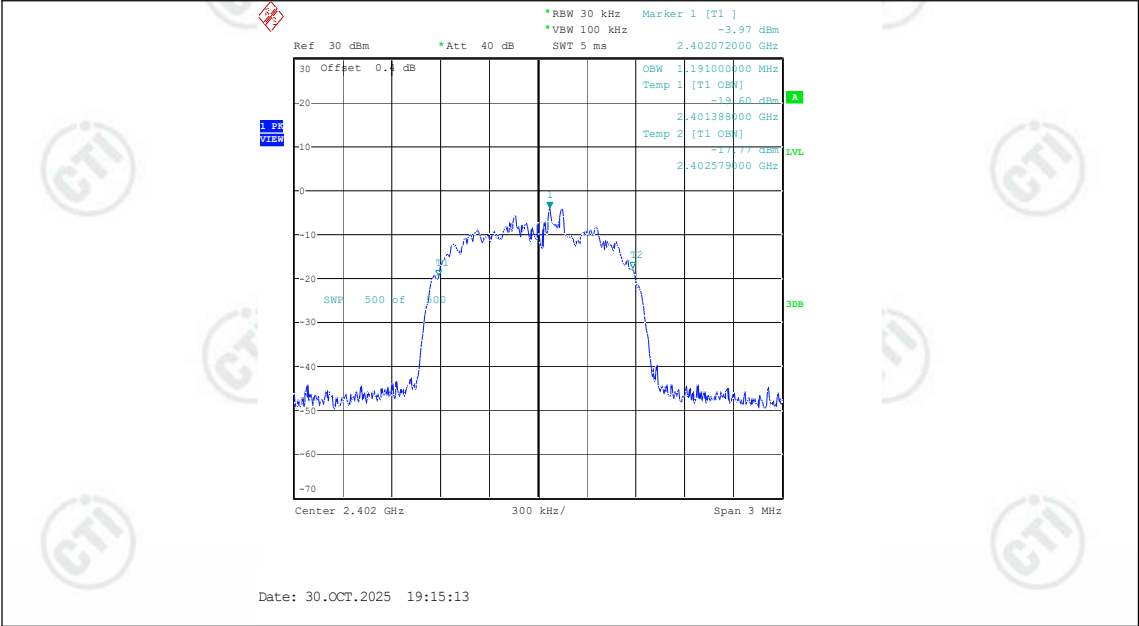
2DH5-Ant1-2402



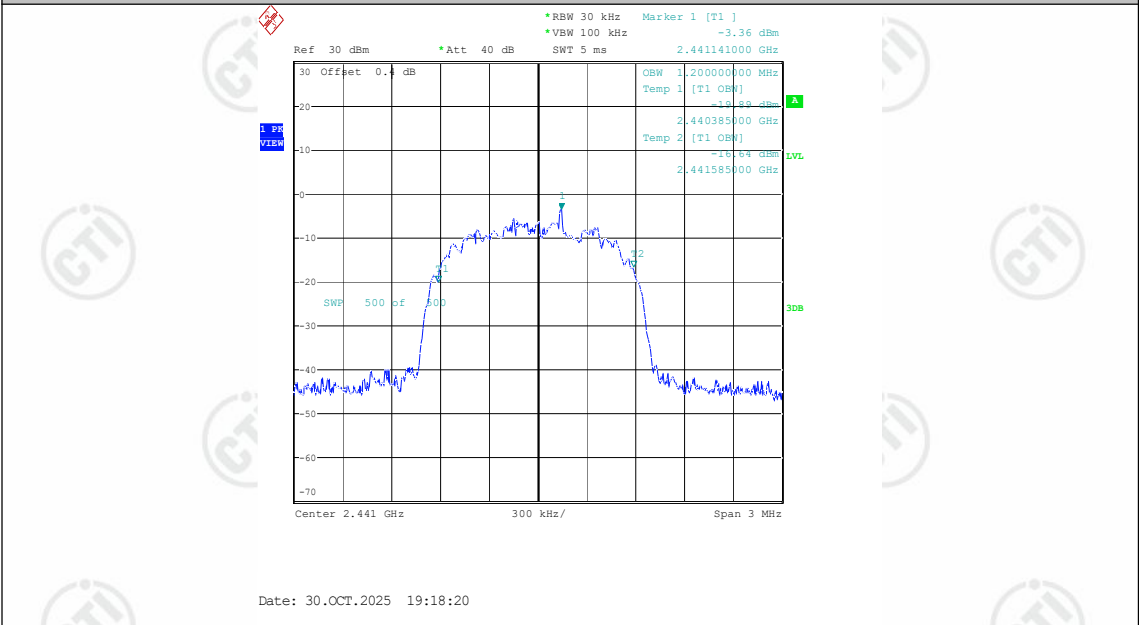
2DH5-Ant1-2441



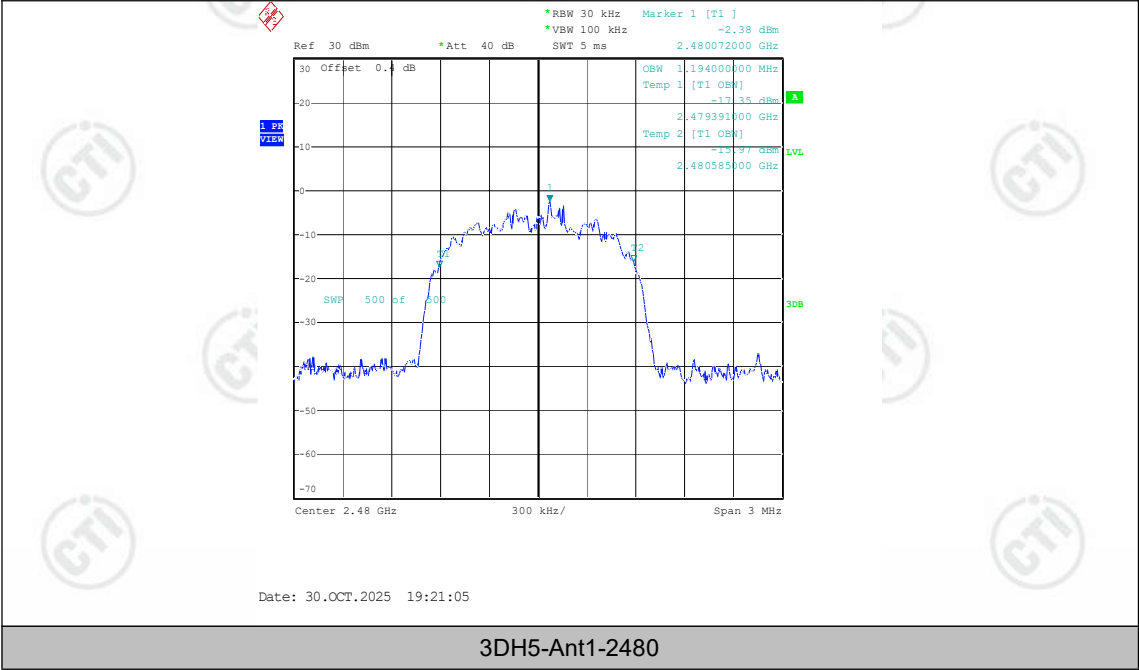
2DH5-Ant1-2480



3DH5-Ant1-2402



3DH5-Ant1-2441

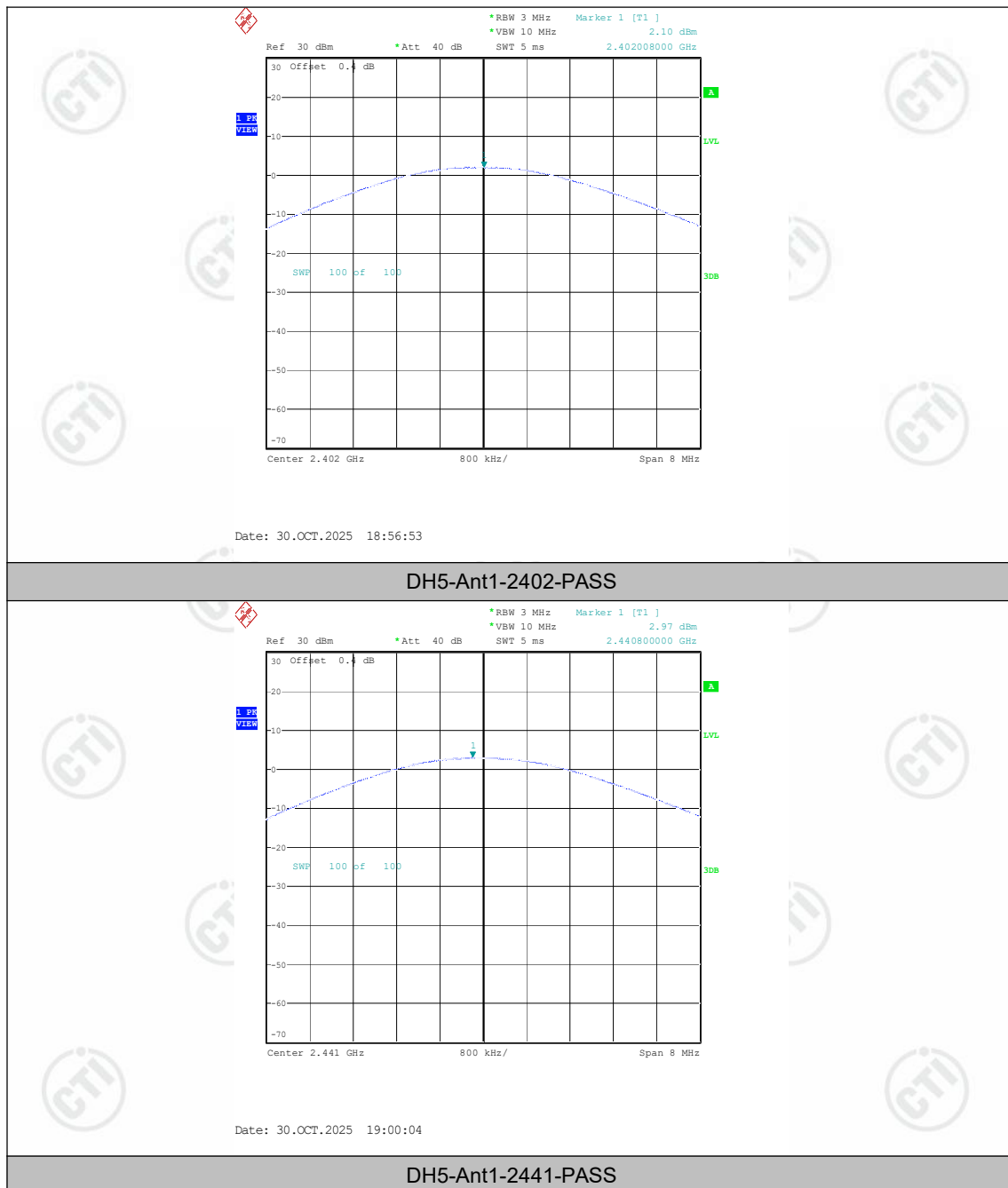


Appendix C: Maximum conducted output power

Test Result Peak

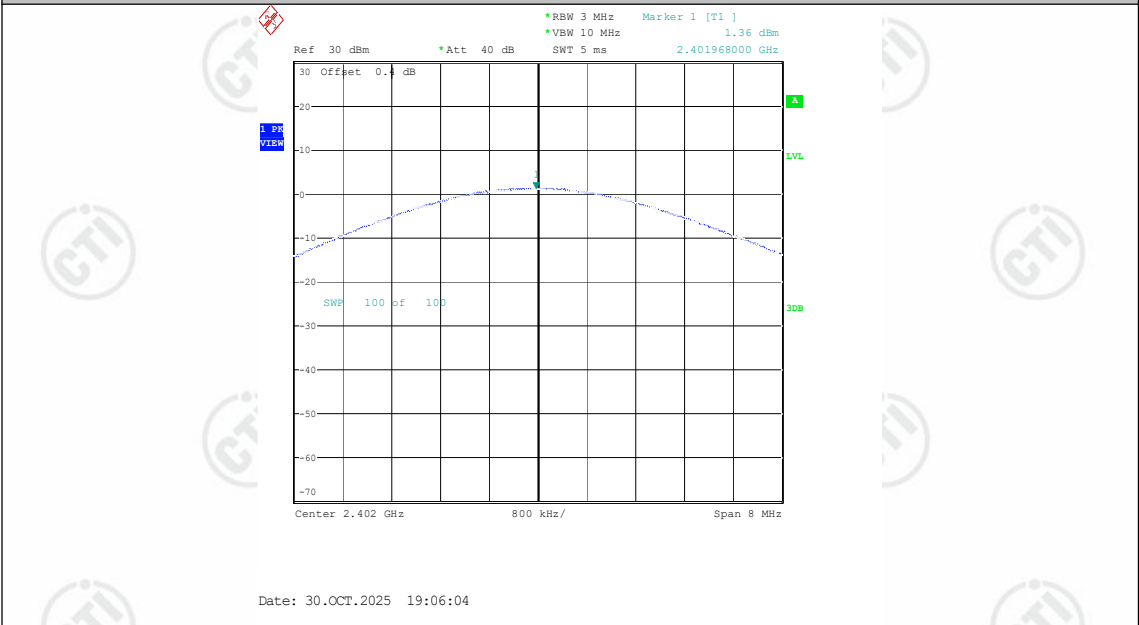
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	2.10	≤30	PASS
DH5	Ant1	2441	2.97	≤20.97	PASS
DH5	Ant1	2480	3.74	≤20.97	PASS
2DH5	Ant1	2402	1.36	≤30	PASS
2DH5	Ant1	2441	2.34	≤20.97	PASS
2DH5	Ant1	2480	2.96	≤20.97	PASS
3DH5	Ant1	2402	1.92	≤30	PASS
3DH5	Ant1	2441	2.77	≤20.97	PASS
3DH5	Ant1	2480	3.52	≤20.97	PASS

Test Graphs

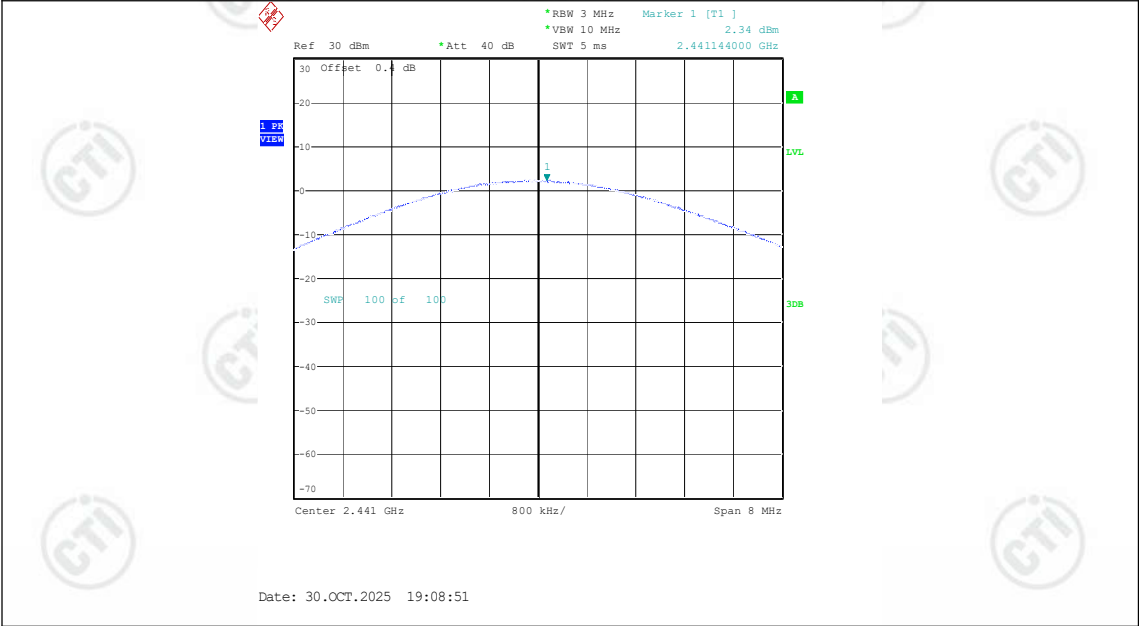




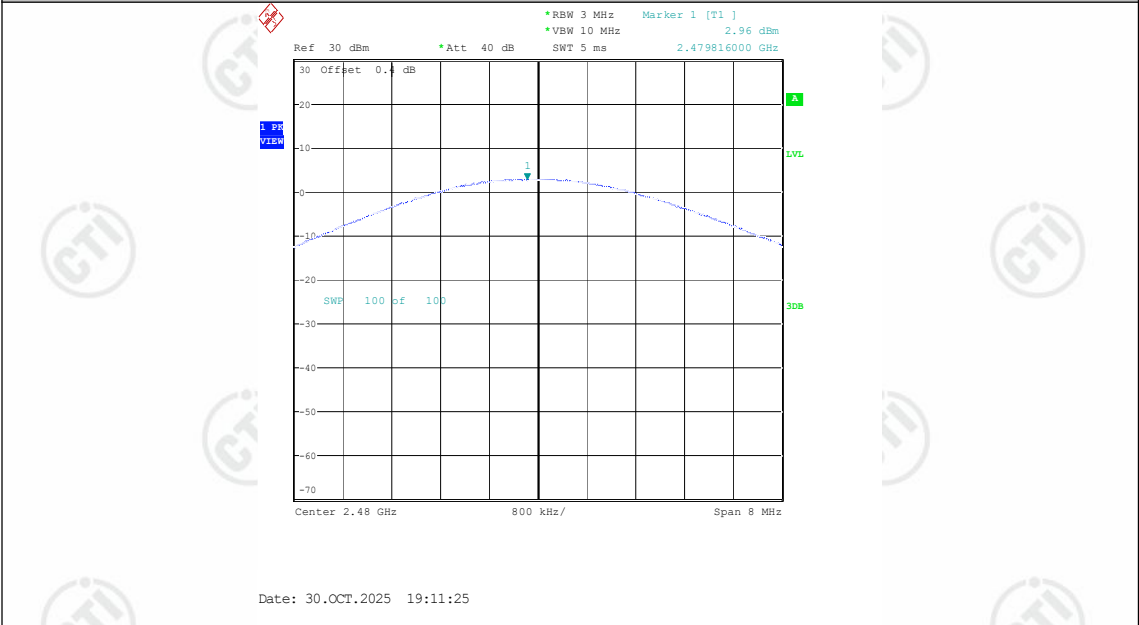
DH5-Ant1-2480-PASS



2DH5-Ant1-2402-PASS



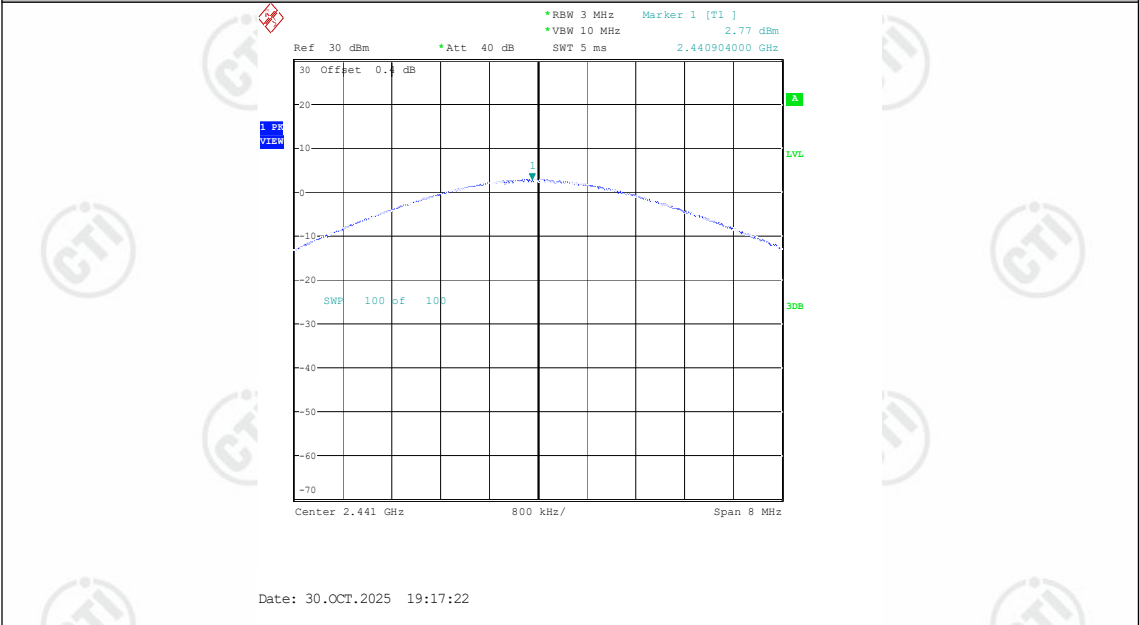
2DH5-Ant1-2441-PASS



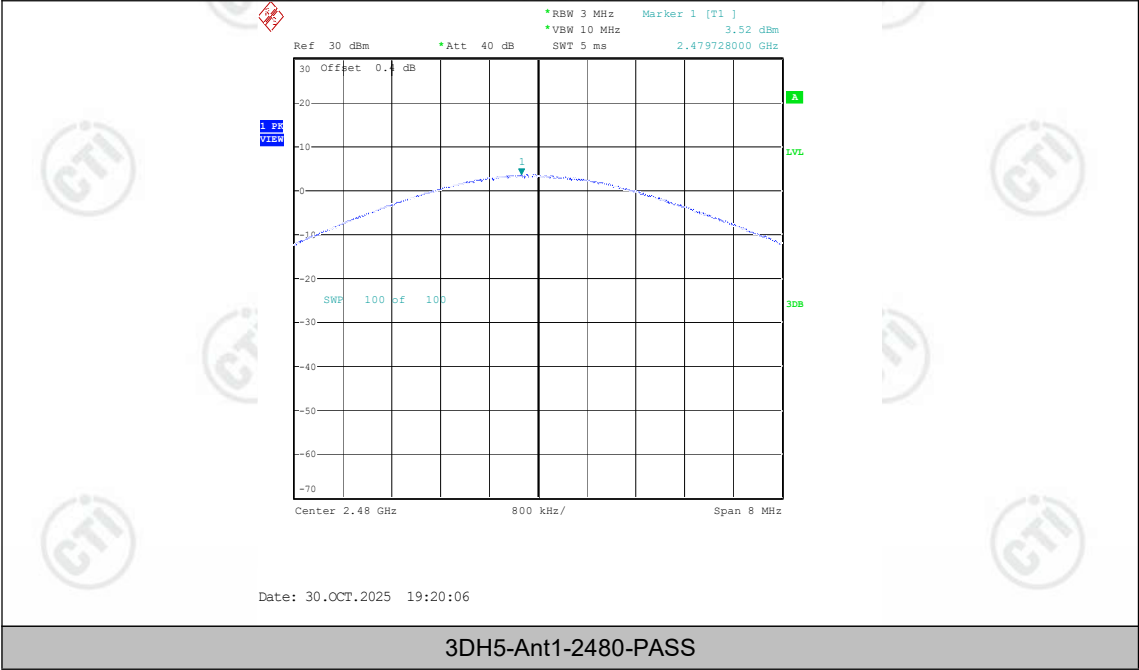
2DH5-Ant1-2480-PASS



3DH5-Ant1-2402-PASS



3DH5-Ant1-2441-PASS

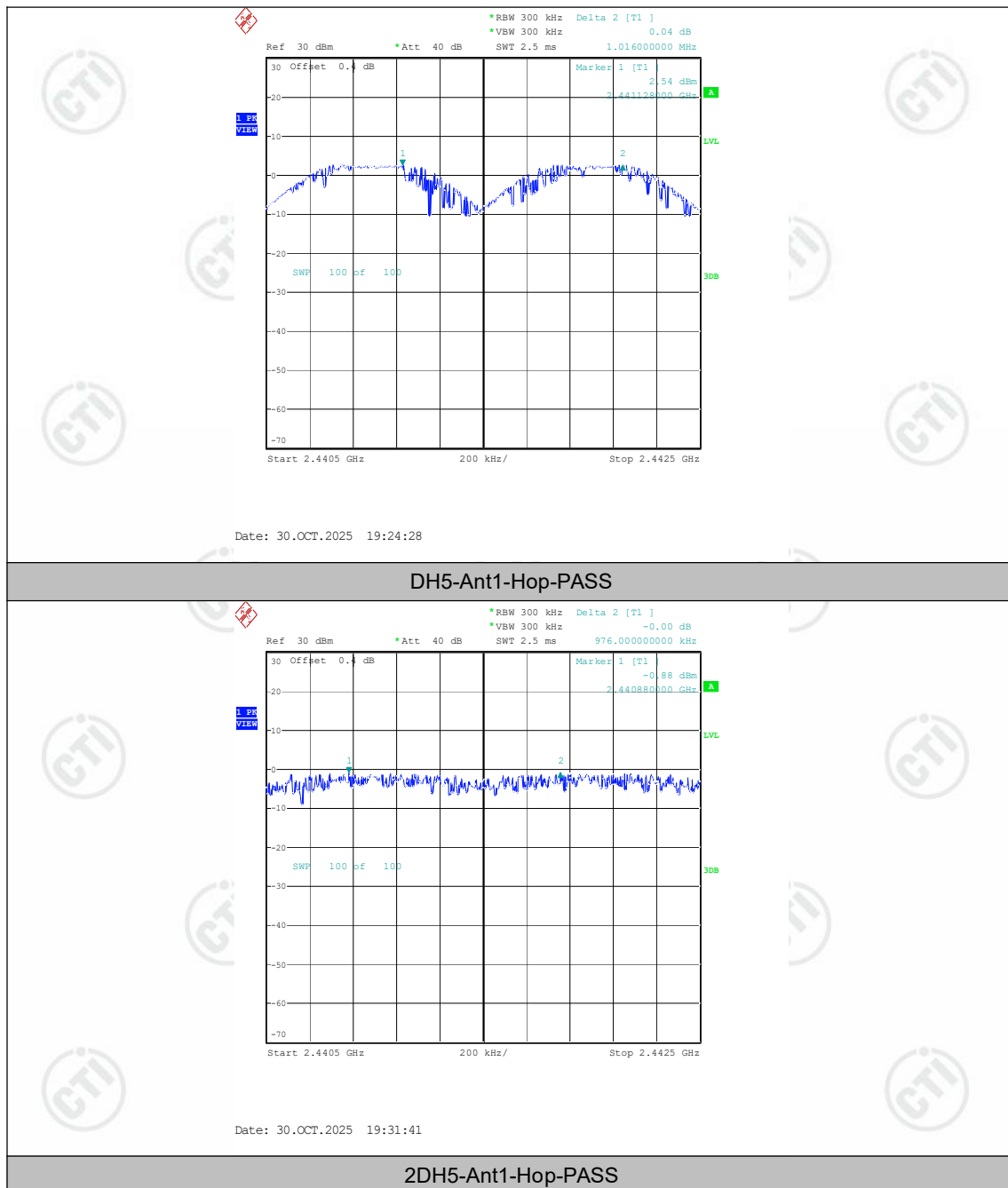


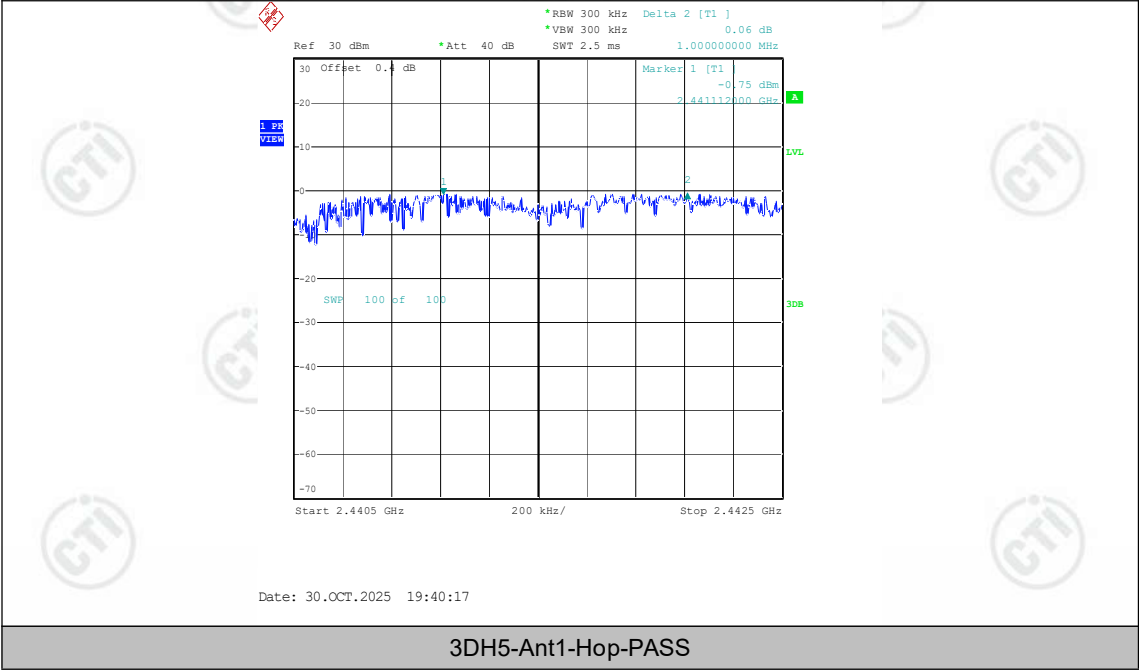
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.016	≥0.950	PASS
2DH5	Ant1	Hop	0.976	≥0.860	PASS
3DH5	Ant1	Hop	1	≥0.873	PASS

Test Graphs



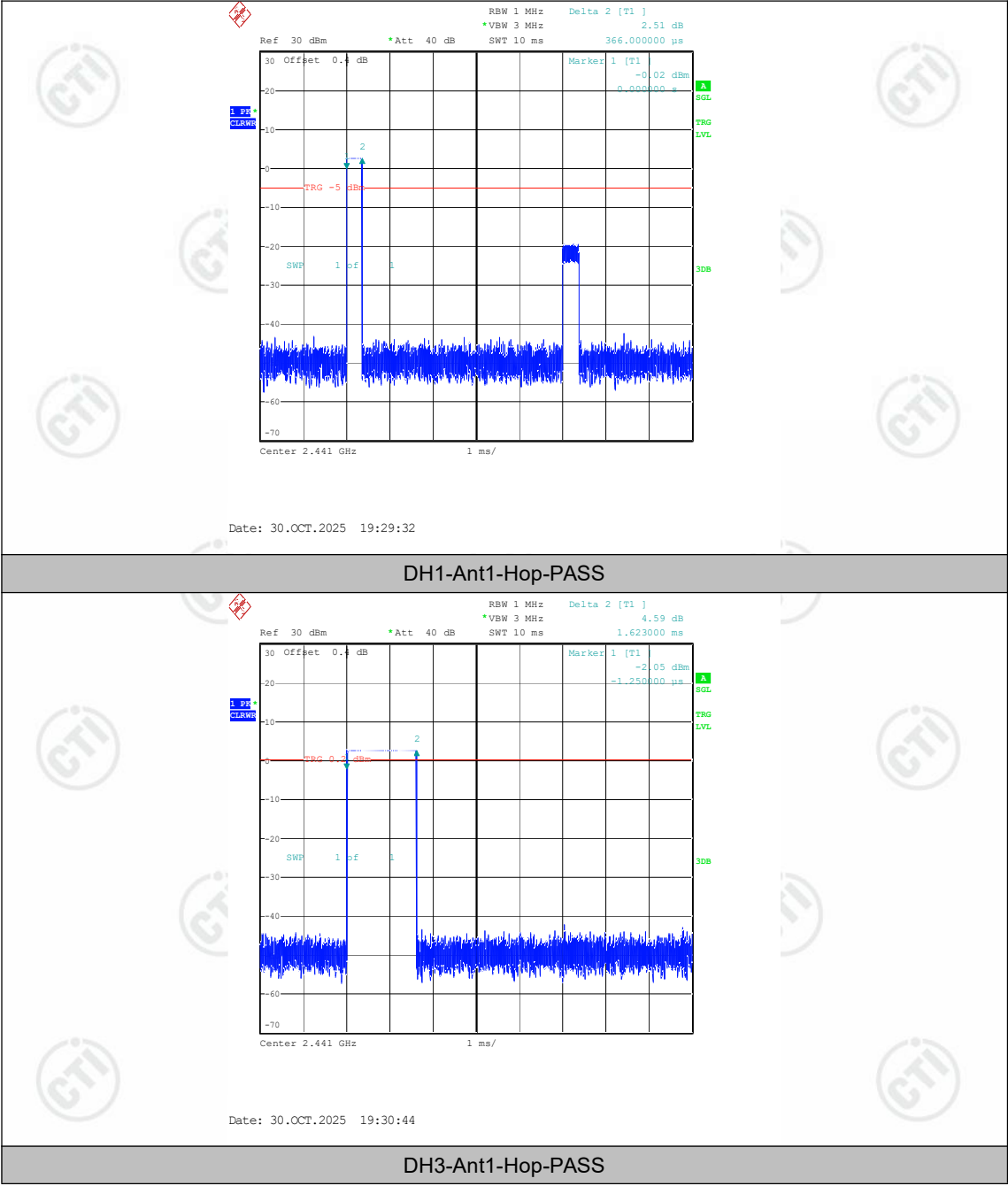


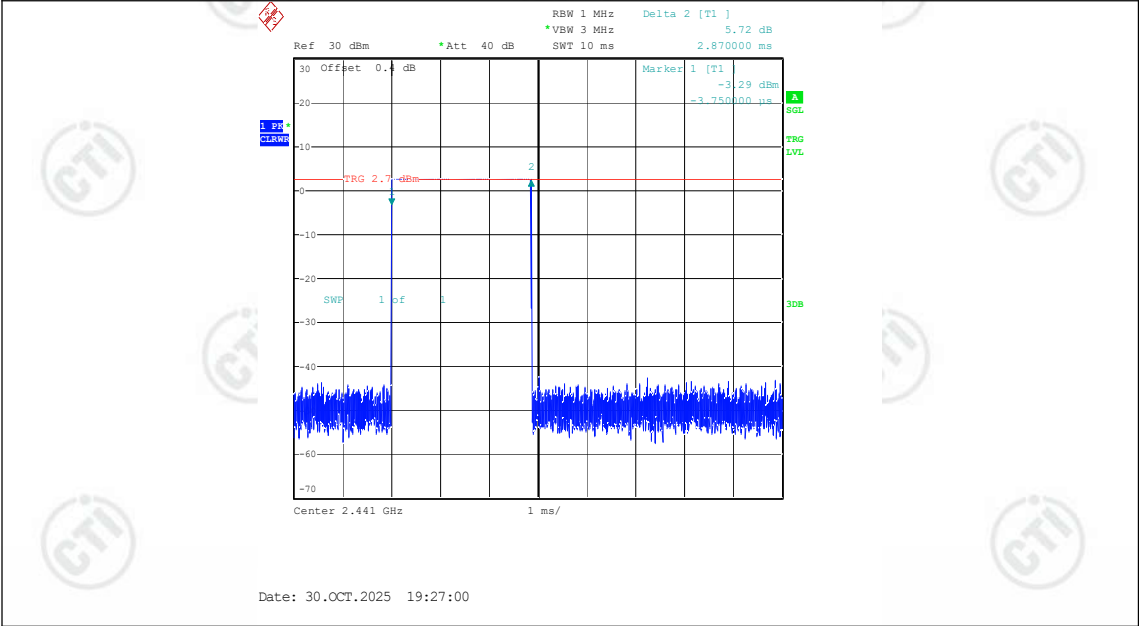
Appendix E: Time of occupancy

Test Result

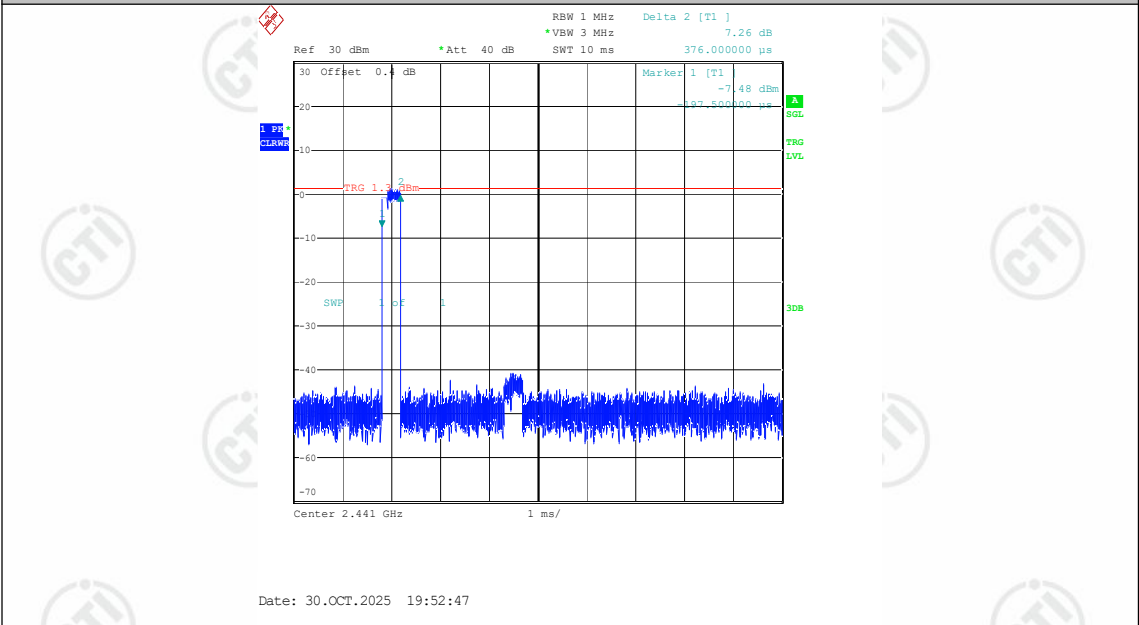
TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.366	320	0.117	≤0.4	PASS
DH3	Ant1	Hop	1.623	160	0.26	≤0.4	PASS
DH5	Ant1	Hop	2.870	106.67	0.306	≤0.4	PASS
2DH1	Ant1	Hop	0.376	320	0.12	≤0.4	PASS
2DH3	Ant1	Hop	1.629	160	0.261	≤0.4	PASS
2DH5	Ant1	Hop	2.876	106.67	0.307	≤0.4	PASS
3DH1	Ant1	Hop	0.376	320	0.12	≤0.4	PASS
3DH3	Ant1	Hop	1.628	160	0.26	≤0.4	PASS
3DH5	Ant1	Hop	2.879	106.67	0.307	≤0.4	PASS

Test Graphs

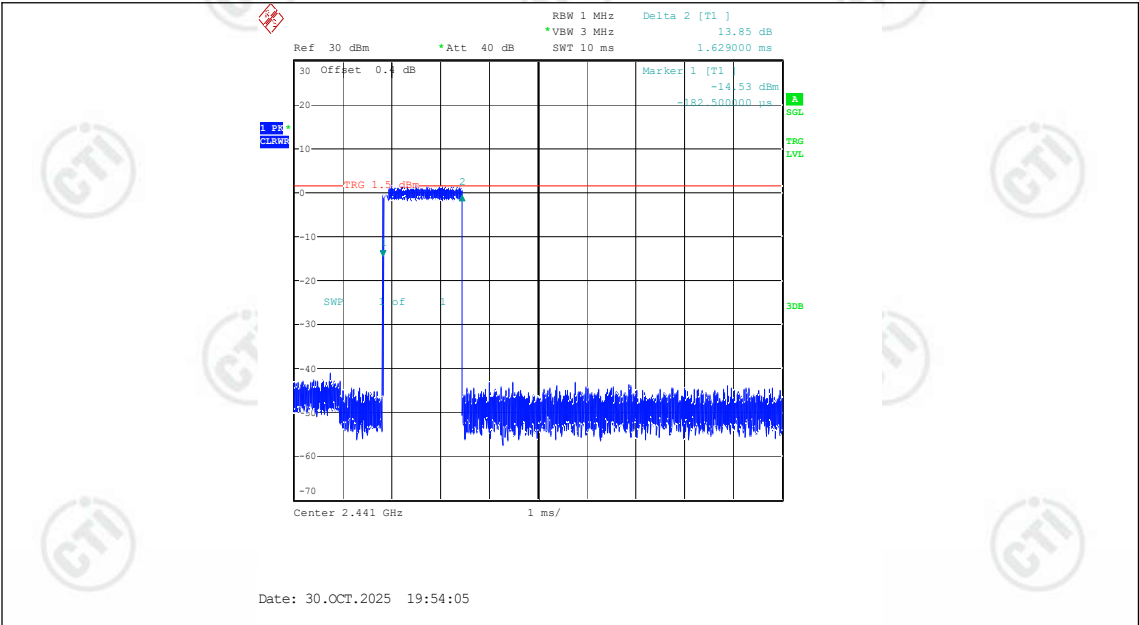




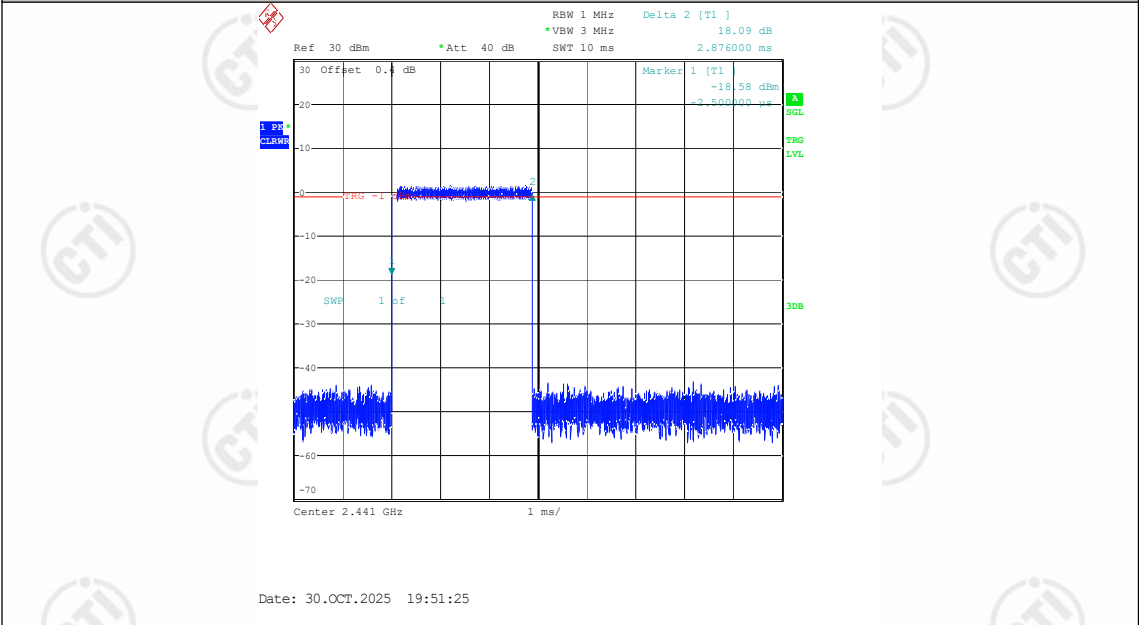
DH5-Ant1-Hop-PASS



2DH1-Ant1-Hop-PASS



2DH3-Ant1-Hop-PASS

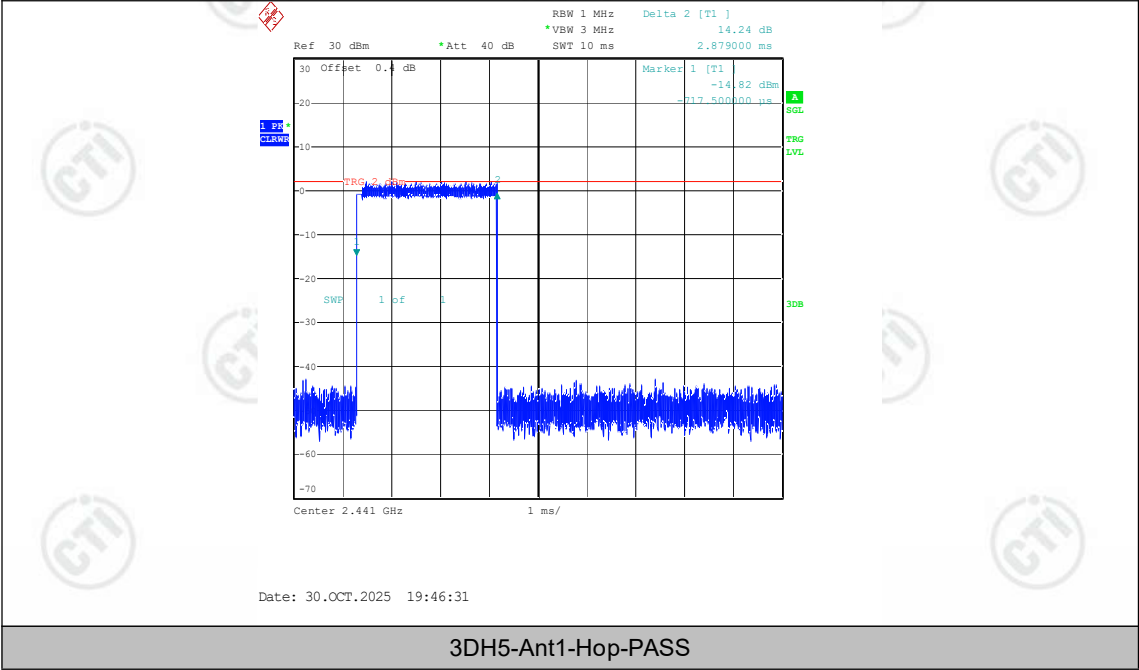


2DH5-Ant1-Hop-PASS



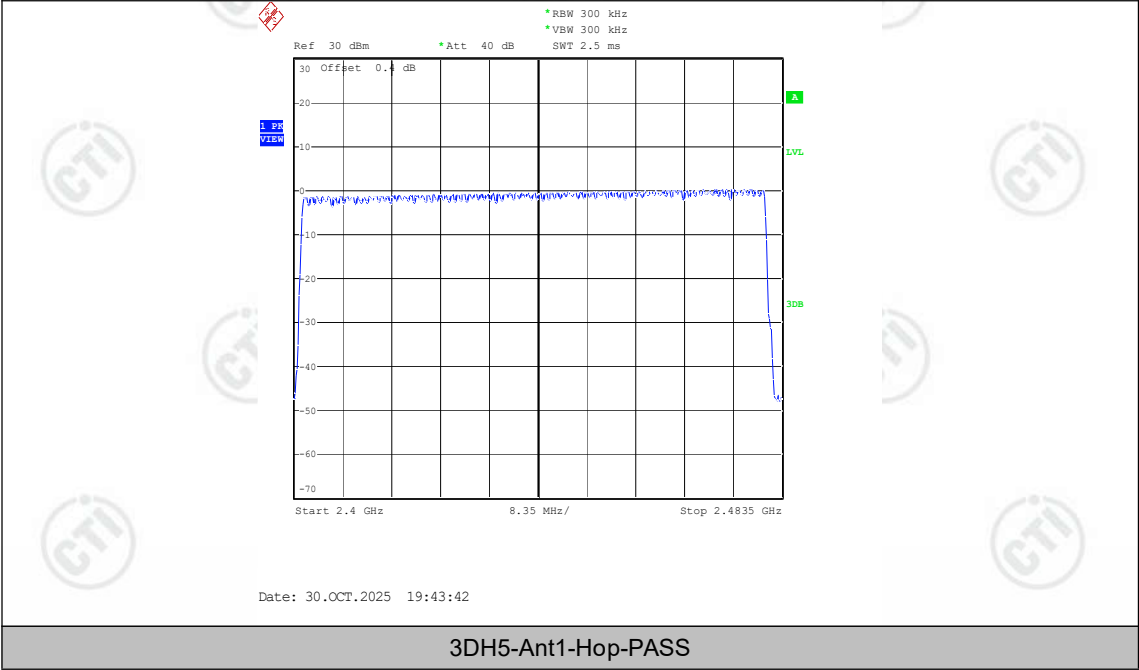
Date: 30.OCT.2025 19:48:20

Hotline:400-6788-333 www.cti-cert.com E-mail:info@cti-cert.com Complaint call:0755-33681700 Complaint E-mail:complaint@cti-cert.com



Appendix F: Number of hopping channels**Test Result**

TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

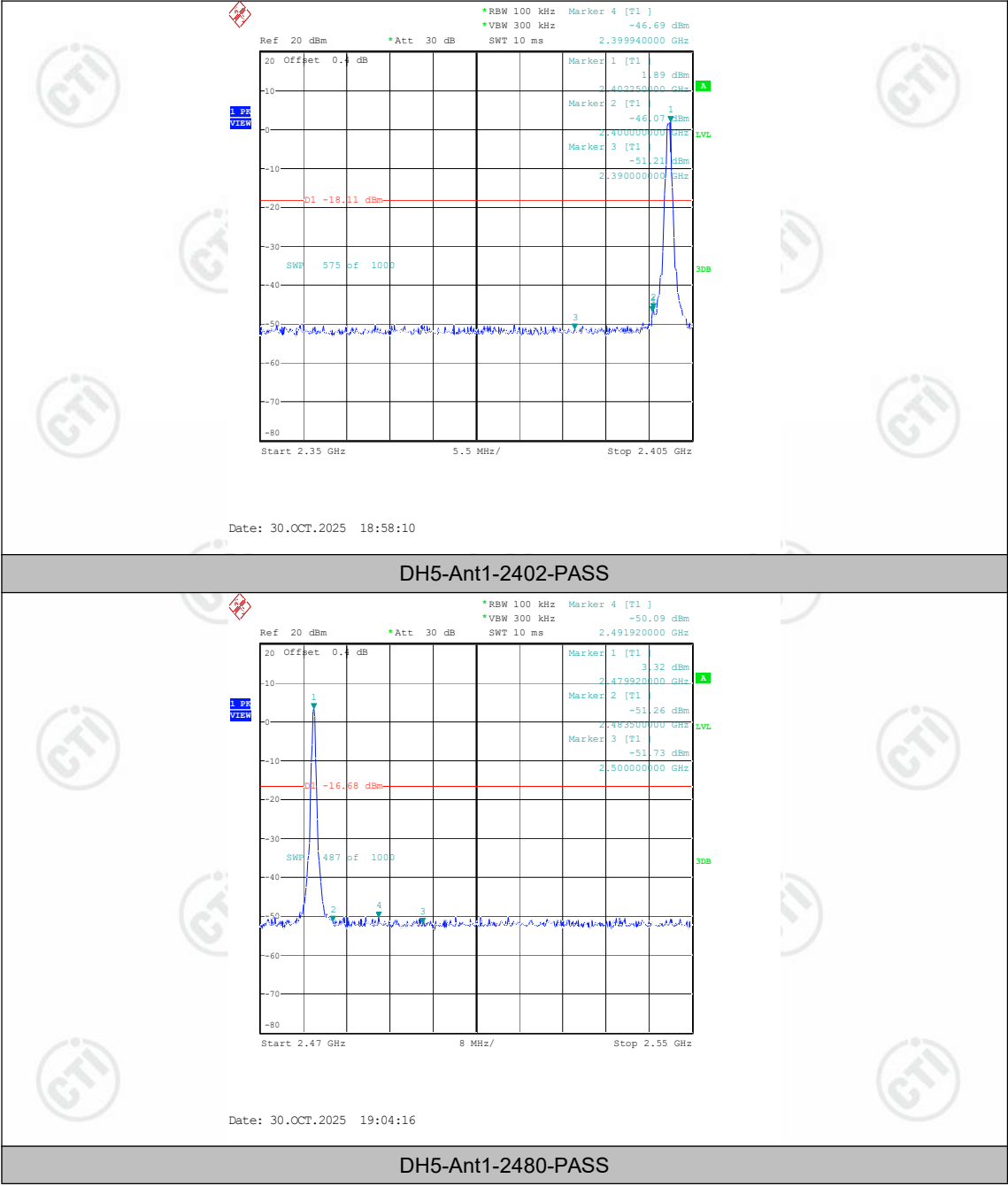


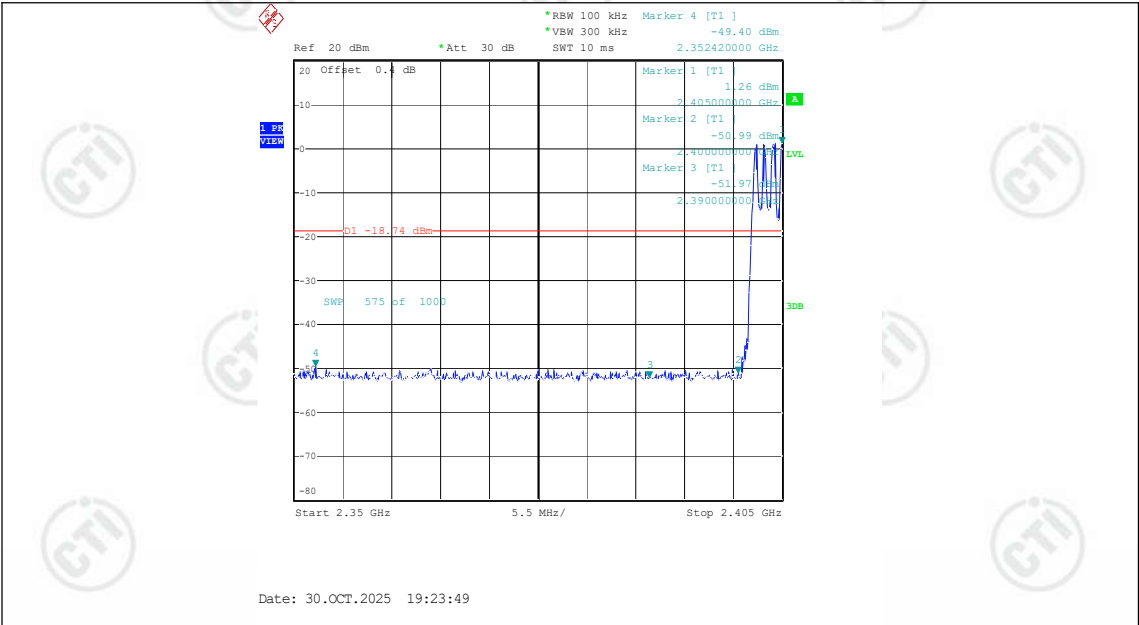
Appendix G: Band edge measurements

Test Result

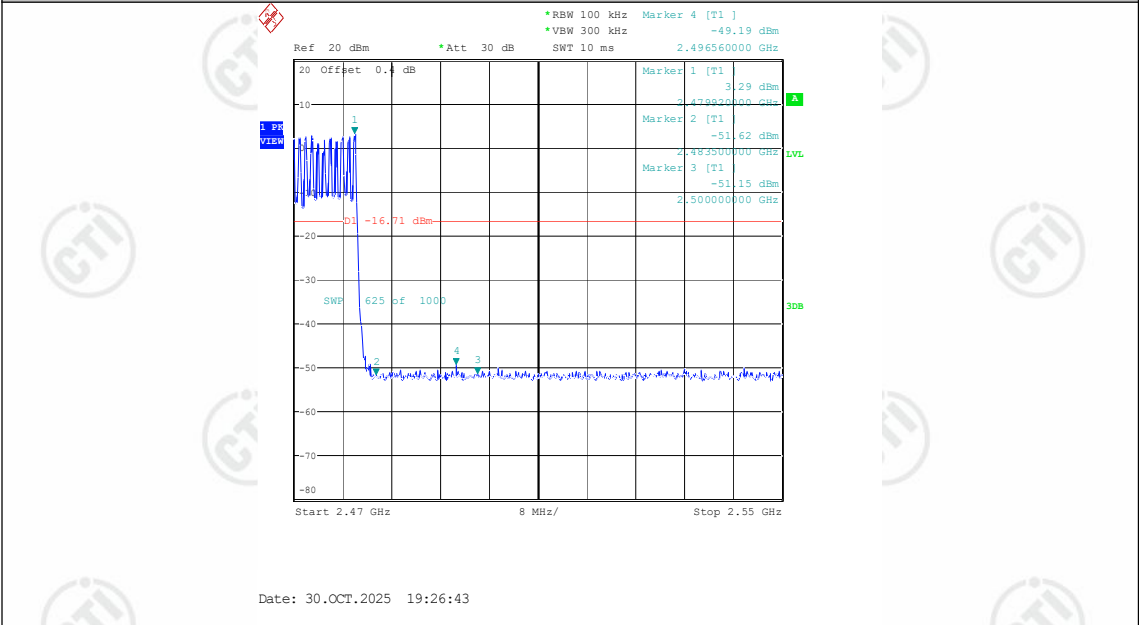
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.89	-46.69	≤-18.11	PASS
DH5	Ant1	High	2480	3.32	-50.09	≤-16.68	PASS
DH5	Ant1	Low	Hop_2402	1.26	-49.4	≤-18.74	PASS
DH5	Ant1	High	Hop_2480	3.29	-49.19	≤-16.71	PASS
2DH5	Ant1	Low	2402	-1.74	-49.42	≤-21.74	PASS
2DH5	Ant1	High	2480	-0.34	-49.31	≤-20.34	PASS
2DH5	Ant1	Low	Hop_2402	-1.84	-49.21	≤-21.84	PASS
2DH5	Ant1	High	Hop_2480	-0.66	-48.64	≤-20.66	PASS
3DH5	Ant1	Low	2402	-1.49	-49.17	≤-21.49	PASS
3DH5	Ant1	High	2480	-0.42	-49.21	≤-20.42	PASS
3DH5	Ant1	Low	Hop_2402	-3.46	-49.16	≤-23.46	PASS
3DH5	Ant1	High	Hop_2480	-0.60	-48.96	≤-20.6	PASS

Test Graphs

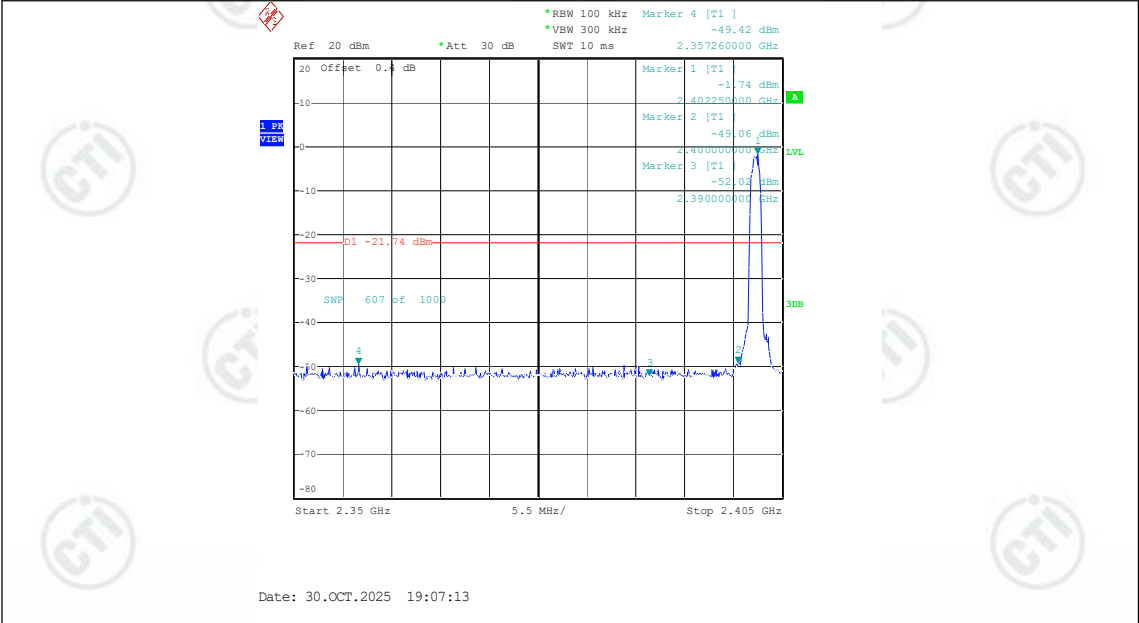




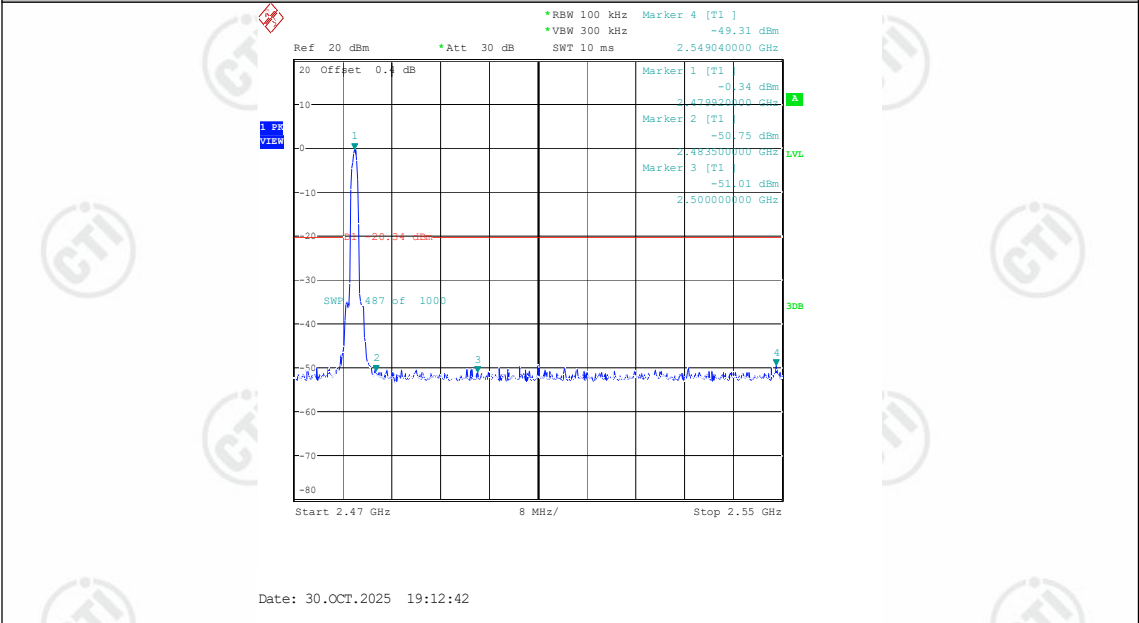
DH5-Ant1-Hop_2402-PASS



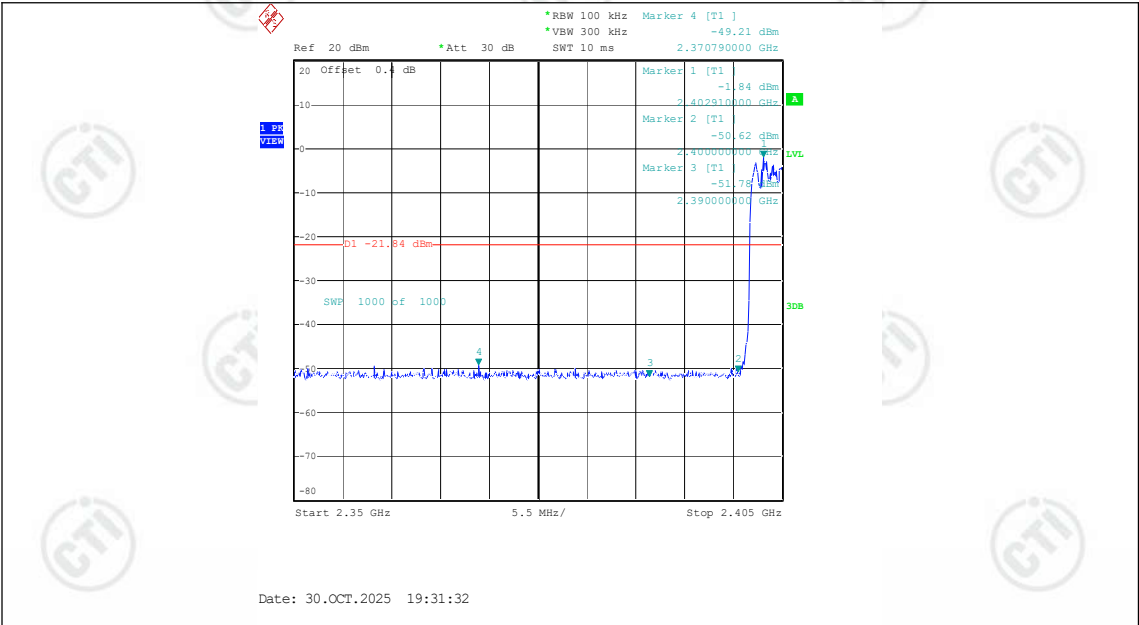
DH5-Ant1-Hop_2480-PASS



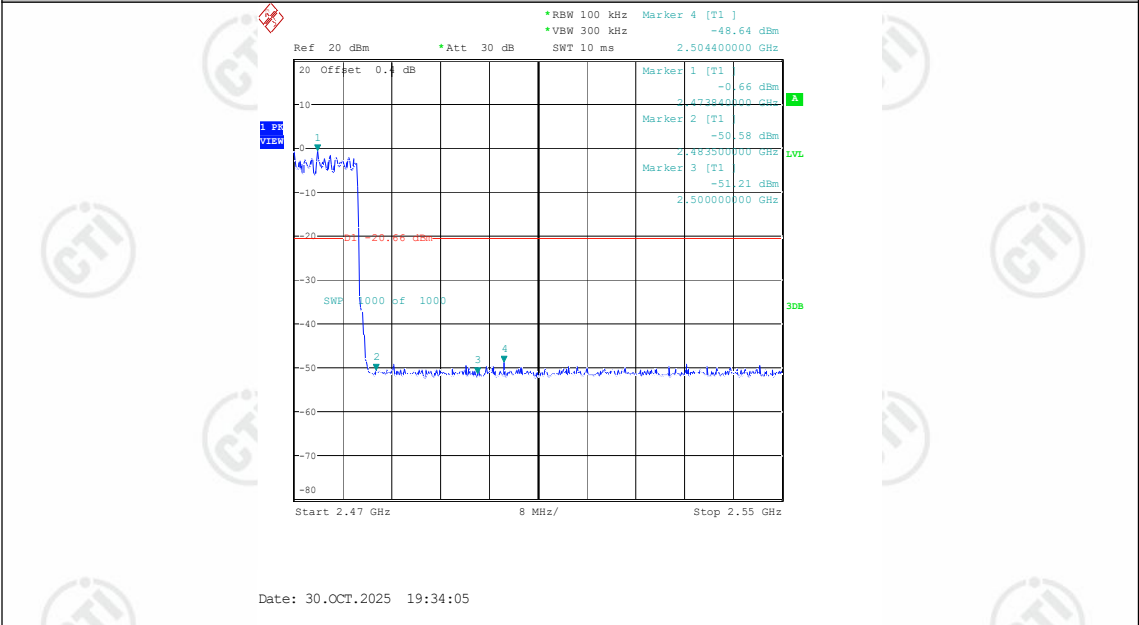
2DH5-Ant1-2402-PASS



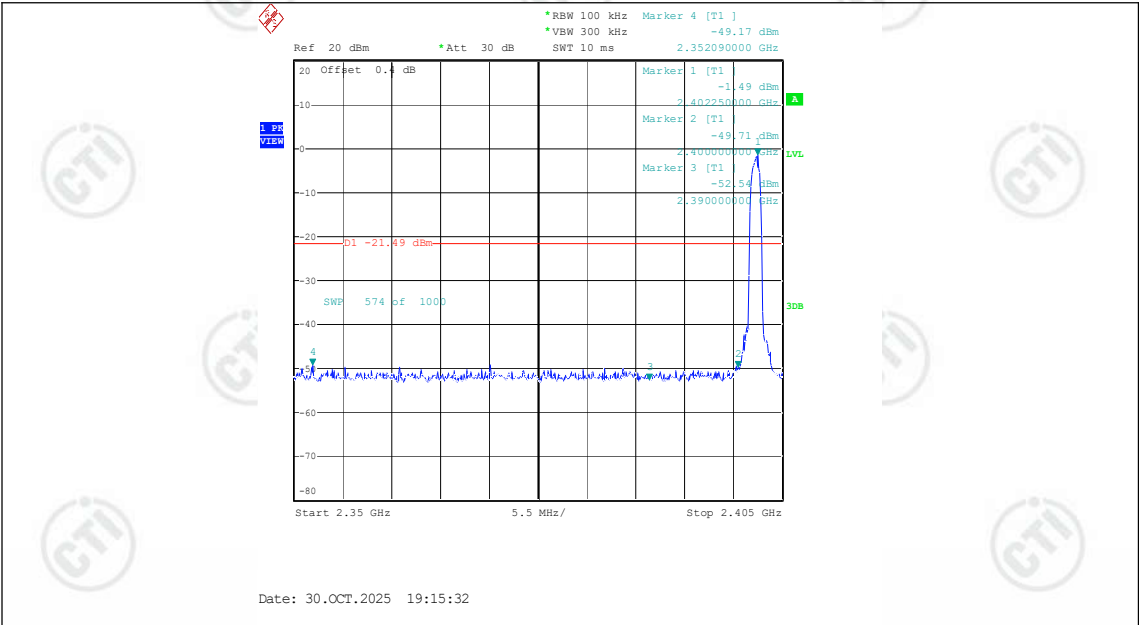
2DH5-Ant1-2480-PASS



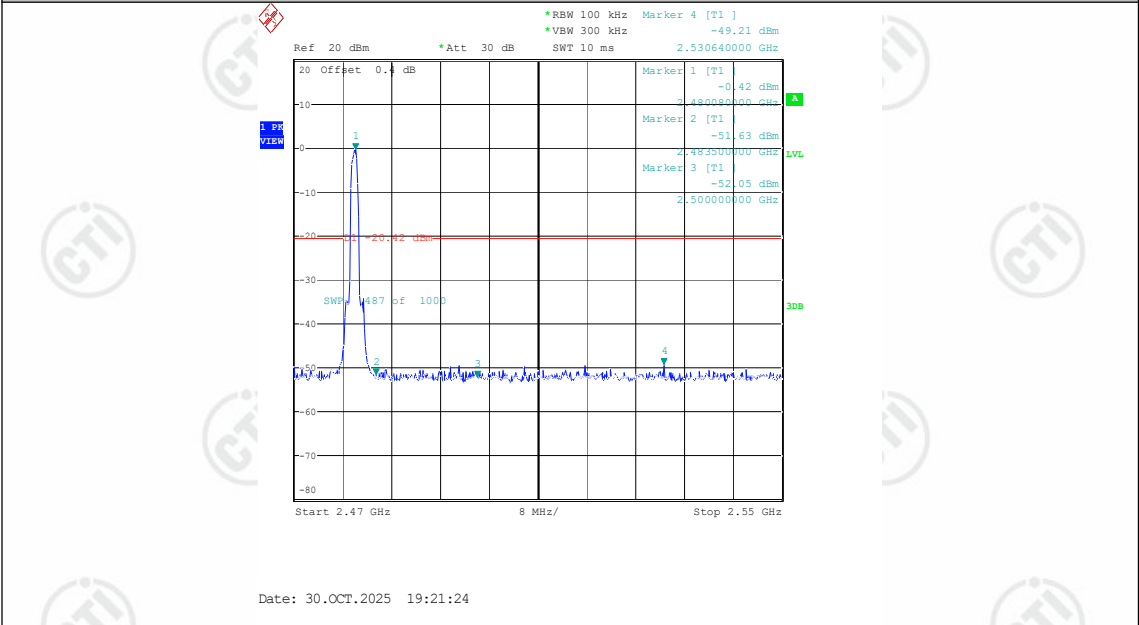
2DH5-Ant1-Hop_2402-PASS



2DH5-Ant1-Hop_2480-PASS



3DH5-Ant1-2402-PASS



3DH5-Ant1-2480-PASS



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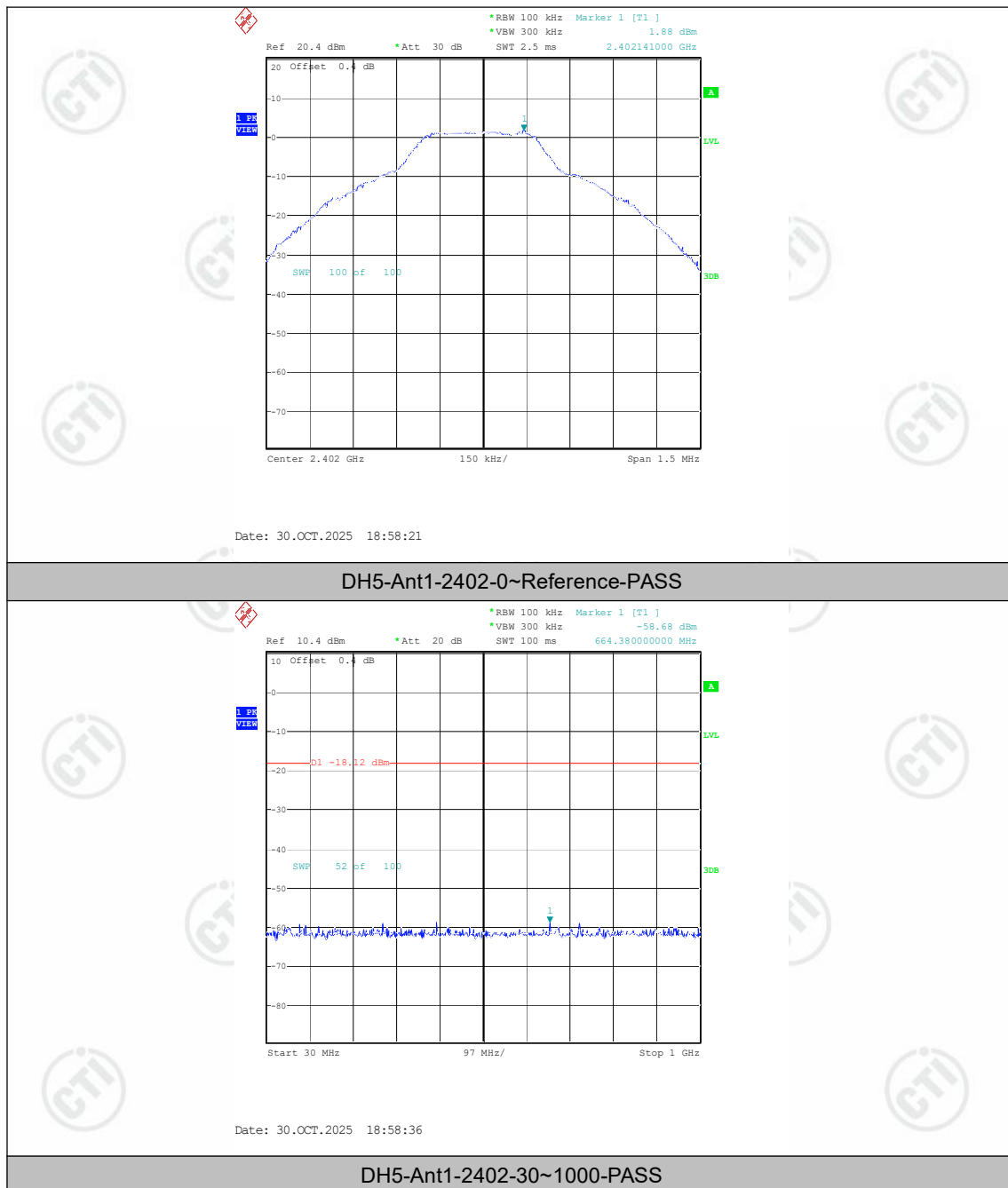
Hotline:400-6788-333 www.cti-cert.com E-mail:info@cti-cert.com Complaint call:0755-33681700 Complaint E-mail:complaint@cti-cert.com

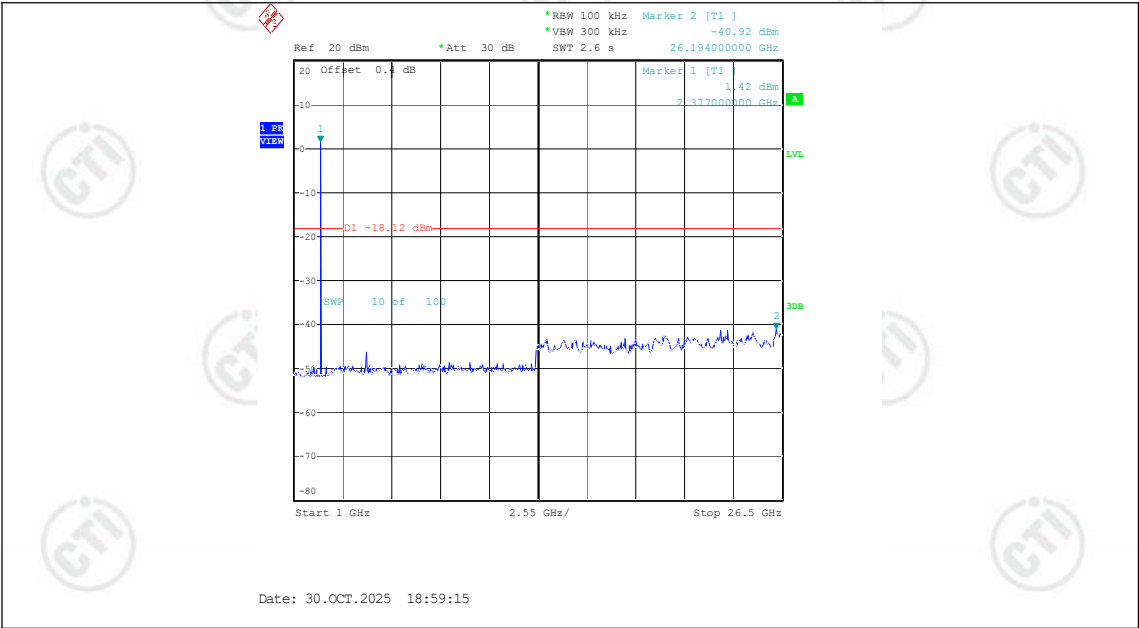
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	1.88	1.88	---	PASS
DH5	Ant1	2402	30~1000	1.88	-58.68	≤-18.12	PASS
DH5	Ant1	2402	1000~26500	1.88	-40.92	≤-18.12	PASS
DH5	Ant1	2441	0~Reference	2.70	2.70	---	PASS
DH5	Ant1	2441	30~1000	2.70	-57.34	≤-17.3	PASS
DH5	Ant1	2441	1000~26500	2.70	-41.91	≤-17.3	PASS
DH5	Ant1	2480	0~Reference	3.45	3.45	---	PASS
DH5	Ant1	2480	30~1000	3.45	-57.11	≤-16.55	PASS
DH5	Ant1	2480	1000~26500	3.45	-41.35	≤-16.55	PASS
2DH5	Ant1	2402	0~Reference	-1.63	-1.63	---	PASS
2DH5	Ant1	2402	30~1000	-1.63	-59.17	≤-21.63	PASS
2DH5	Ant1	2402	1000~26500	-1.63	-41.85	≤-21.63	PASS
2DH5	Ant1	2441	0~Reference	-0.83	-0.83	---	PASS
2DH5	Ant1	2441	30~1000	-0.83	-59.78	≤-20.83	PASS
2DH5	Ant1	2441	1000~26500	-0.83	-42.01	≤-20.83	PASS
2DH5	Ant1	2480	0~Reference	-0.02	-0.02	---	PASS
2DH5	Ant1	2480	30~1000	-0.02	-58.75	≤-20.02	PASS
2DH5	Ant1	2480	1000~26500	-0.02	-42	≤-20.02	PASS
3DH5	Ant1	2402	0~Reference	-1.54	-1.54	---	PASS
3DH5	Ant1	2402	30~1000	-1.54	-59.31	≤-21.54	PASS
3DH5	Ant1	2402	1000~26500	-1.54	-41.93	≤-21.54	PASS
3DH5	Ant1	2441	0~Reference	-0.66	-0.66	---	PASS
3DH5	Ant1	2441	30~1000	-0.66	-59.12	≤-20.66	PASS
3DH5	Ant1	2441	1000~26500	-0.66	-41.74	≤-20.66	PASS
3DH5	Ant1	2480	0~Reference	0.11	0.11	---	PASS
3DH5	Ant1	2480	30~1000	0.11	-59.32	≤-19.89	PASS
3DH5	Ant1	2480	1000~26500	0.11	-41.48	≤-19.89	PASS

Test Graphs

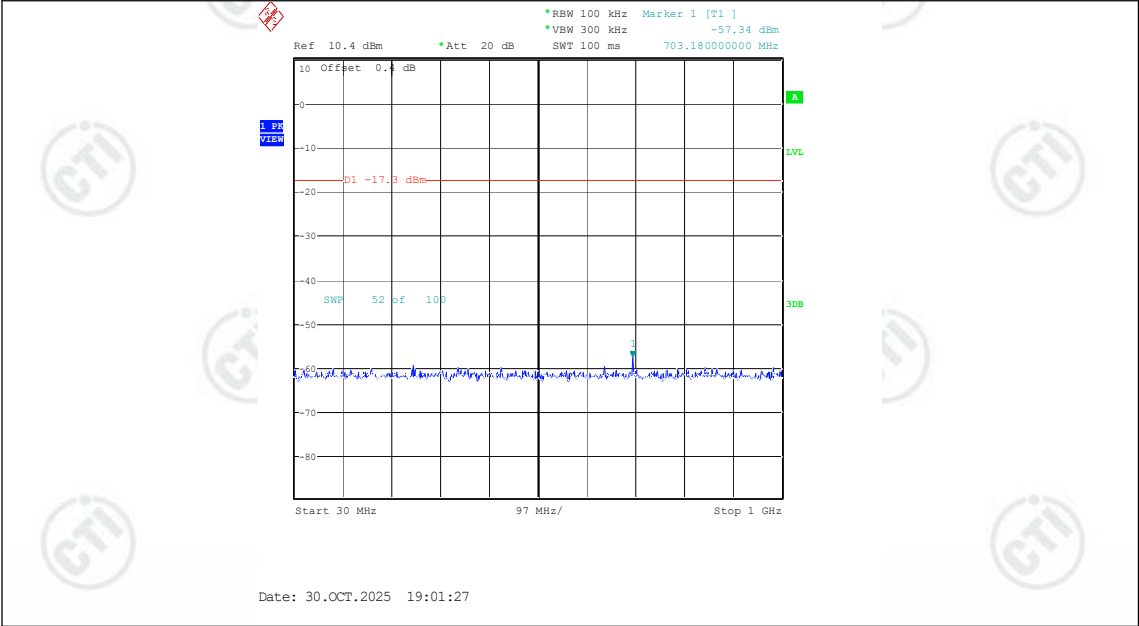




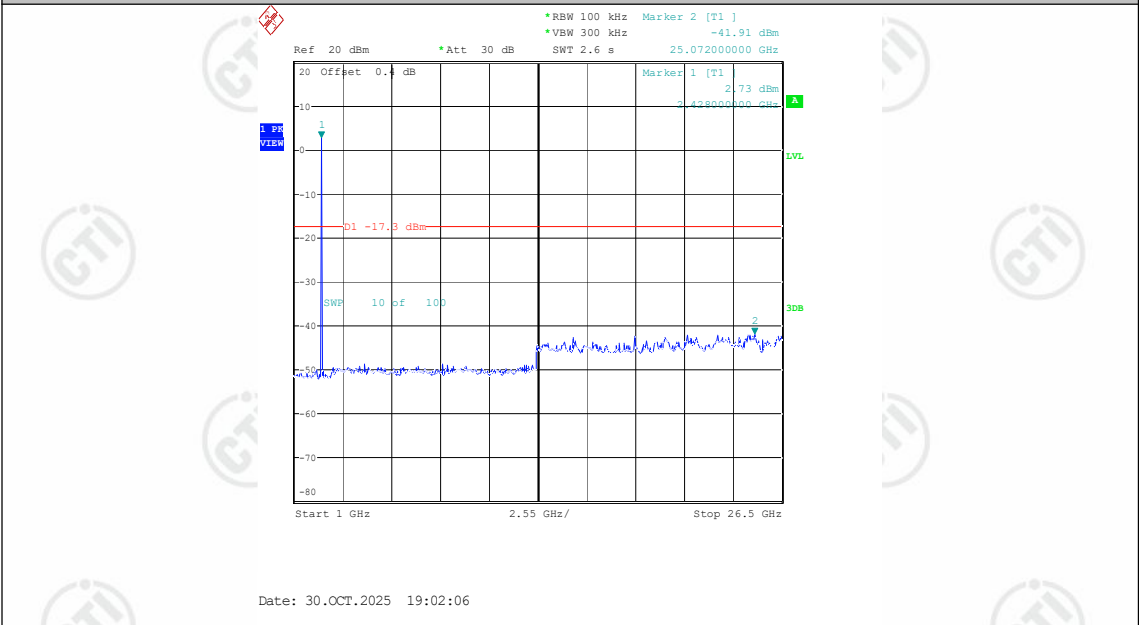
DH5-Ant1-2402-1000~26500-PASS



DH5-Ant1-2441-0~Reference-PASS



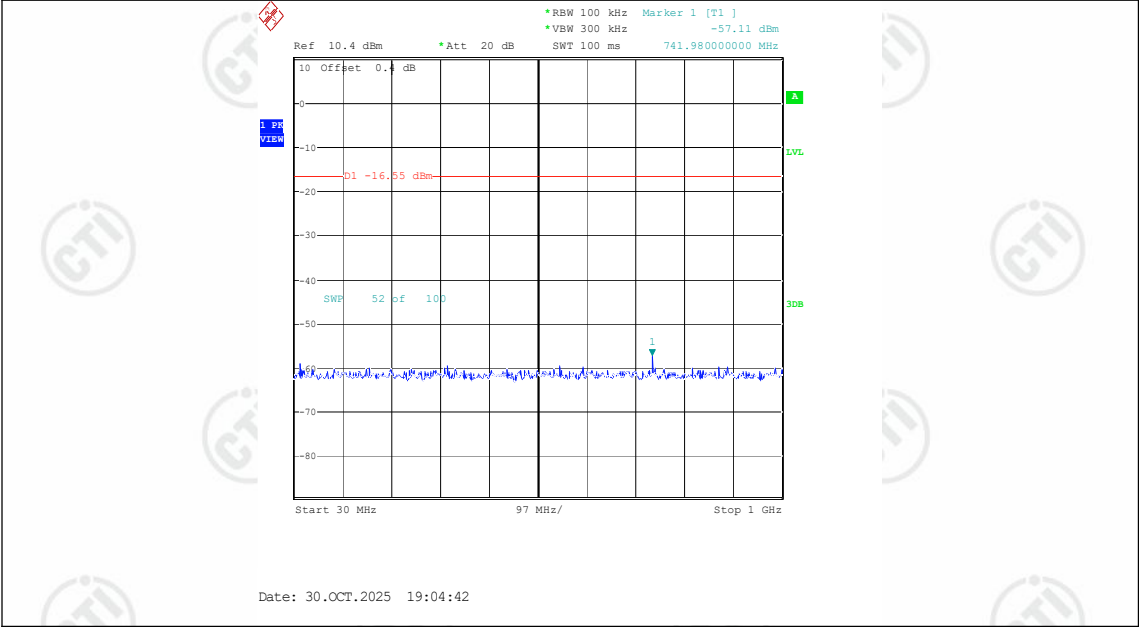
DH5-Ant1-2441-30~1000-PASS



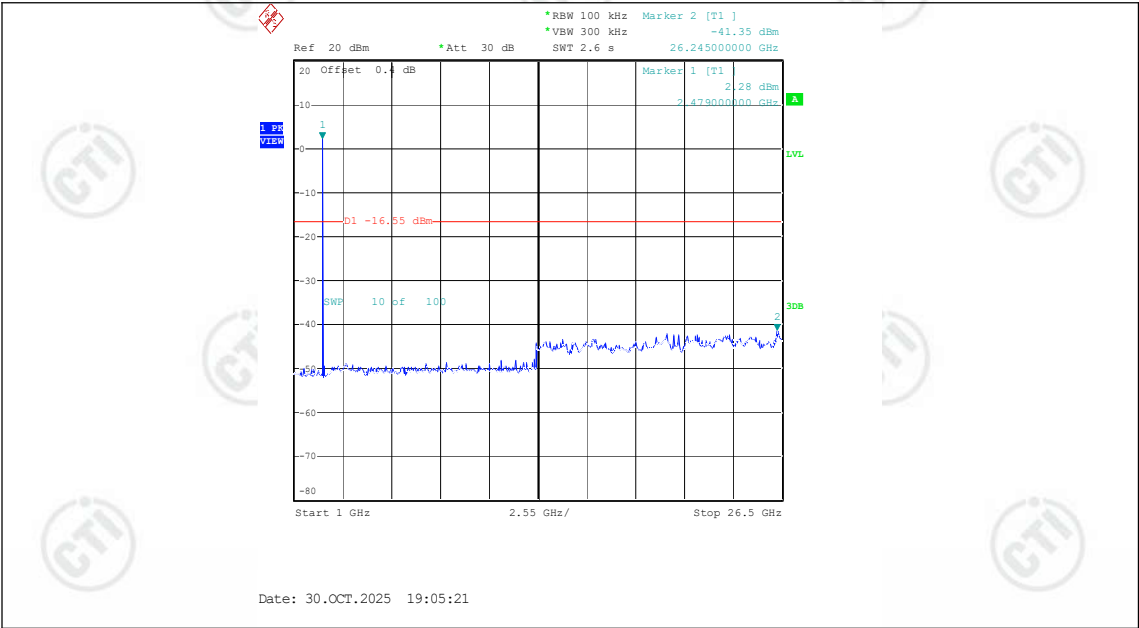
DH5-Ant1-2441-1000~26500-PASS



DH5-Ant1-2480-0~Reference-PASS



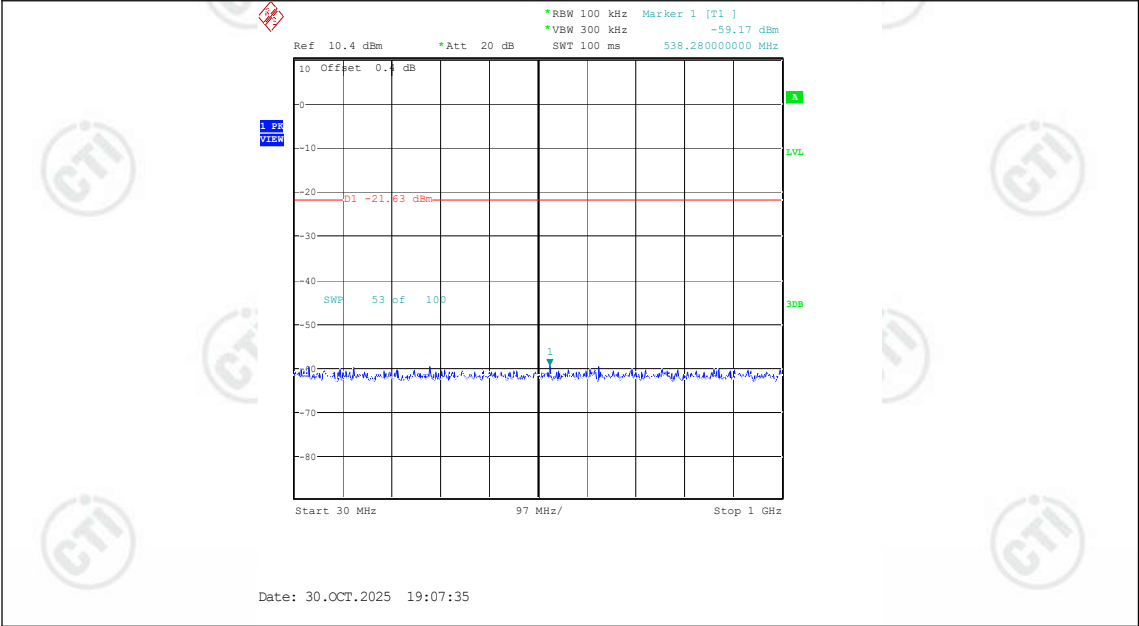
DH5-Ant1-2480-30~1000-PASS



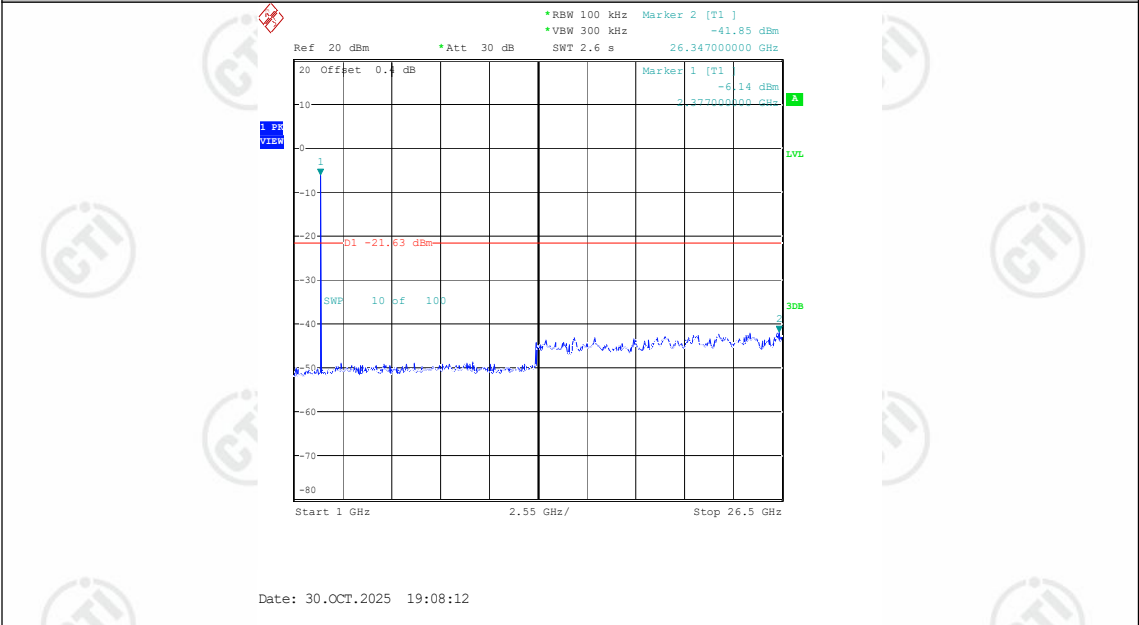
DH5-Ant1-2480-1000~26500-PASS



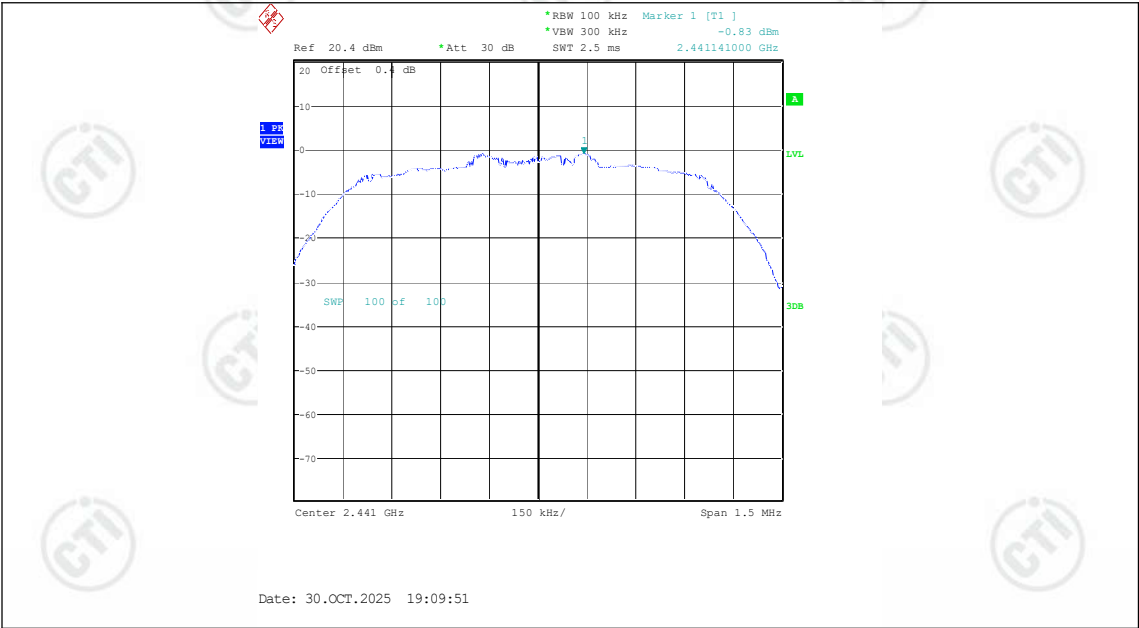
2DH5-Ant1-2402-0~Reference-PASS



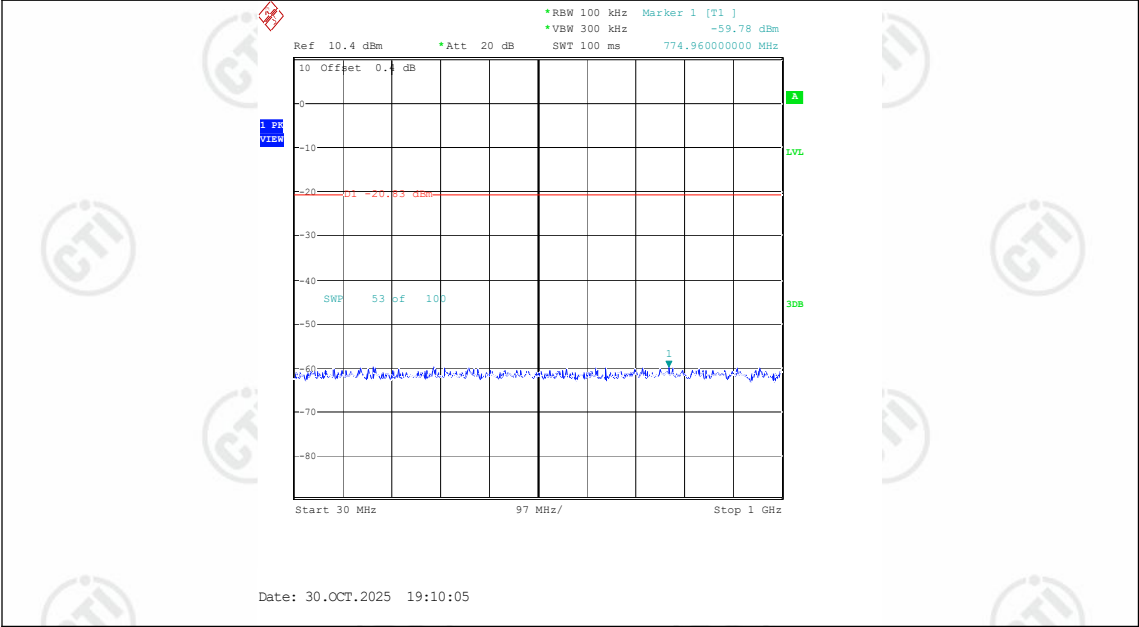
2DH5-Ant1-2402-30~1000-PASS



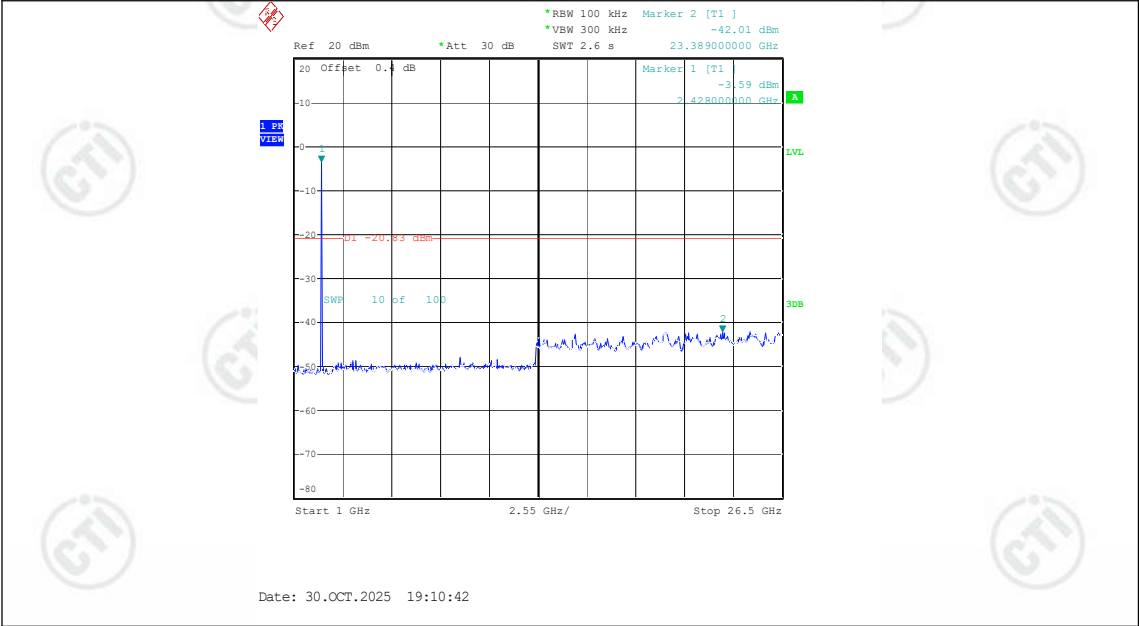
2DH5-Ant1-2402-1000~26500-PASS



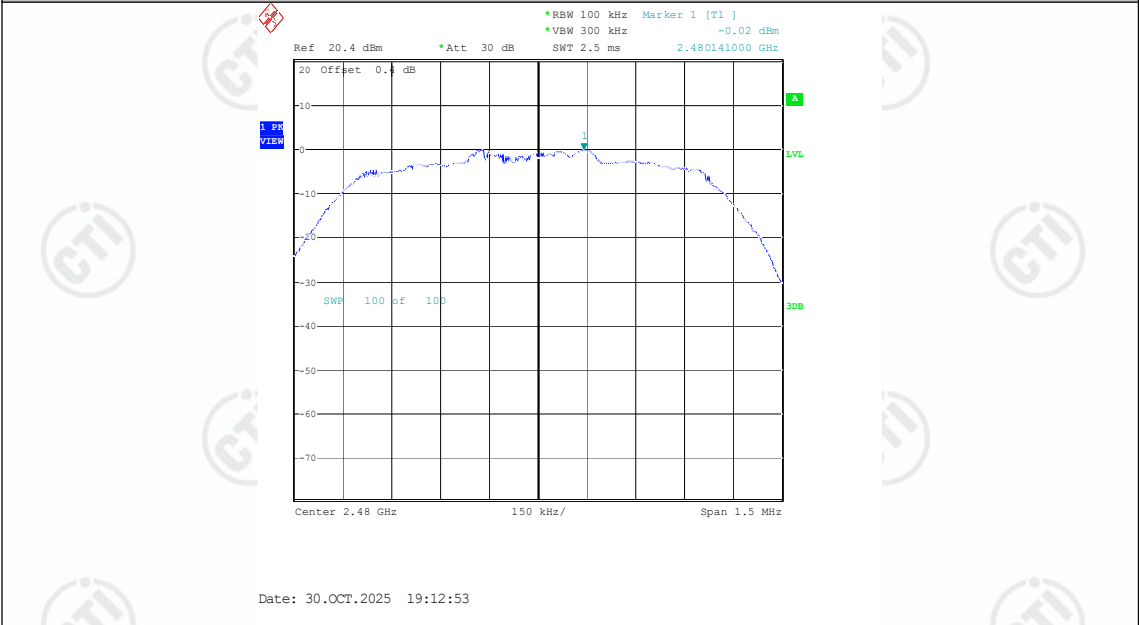
2DH5-Ant1-2441-0~Reference-PASS



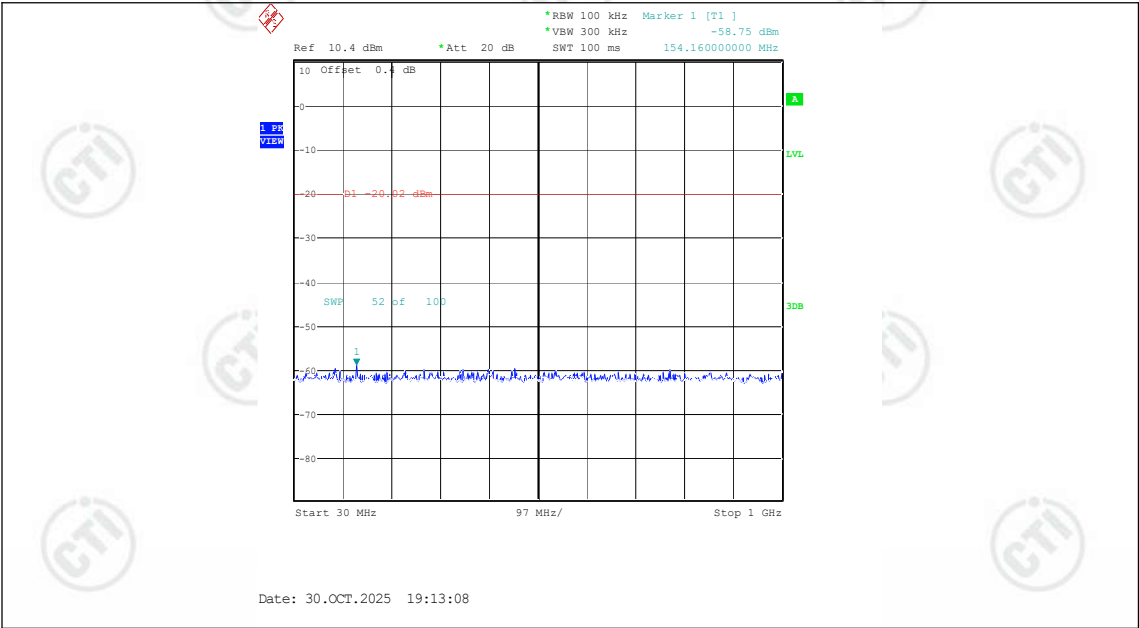
2DH5-Ant1-2441-30~1000-PASS



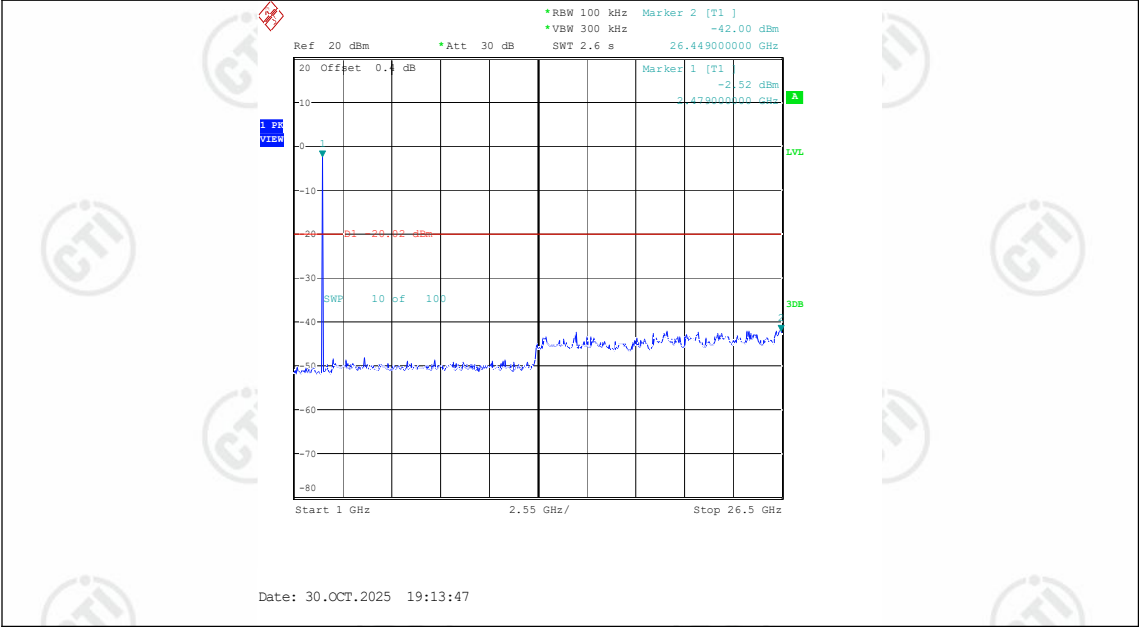
2DH5-Ant1-2441-1000~26500-PASS



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



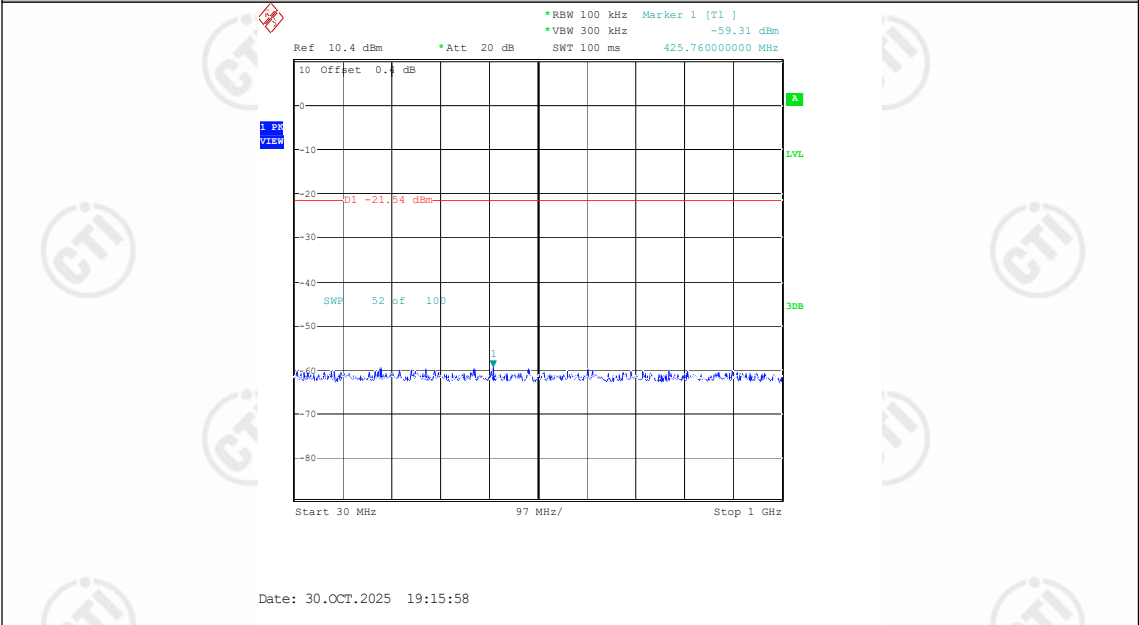
2DH5-Ant1-2480-30~1000-PASS



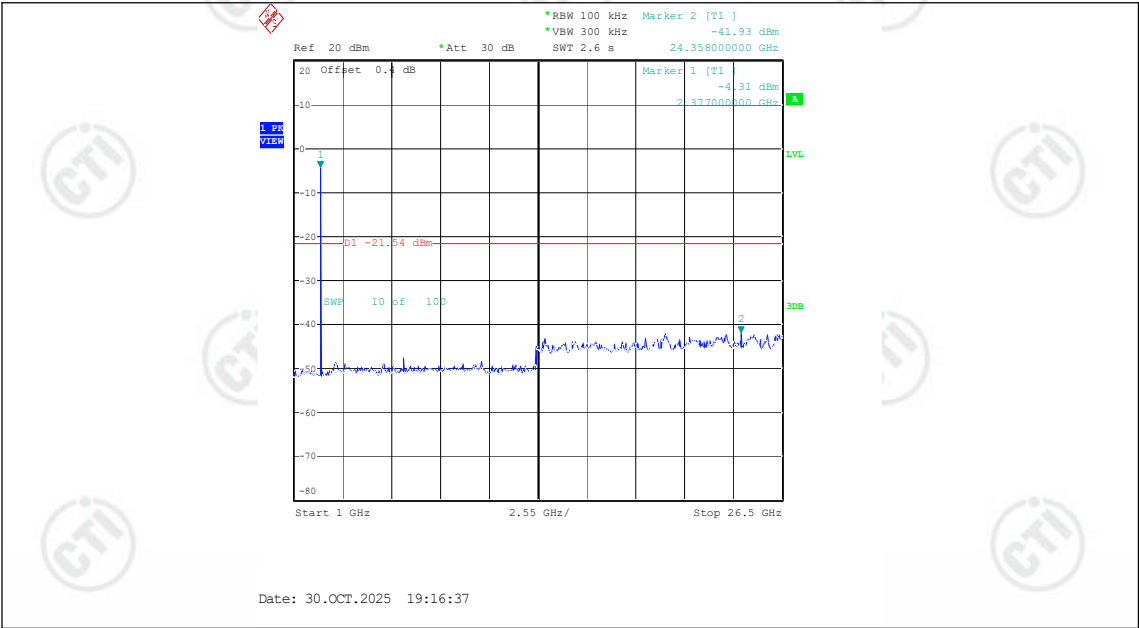
2DH5-Ant1-2480-1000~26500-PASS



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



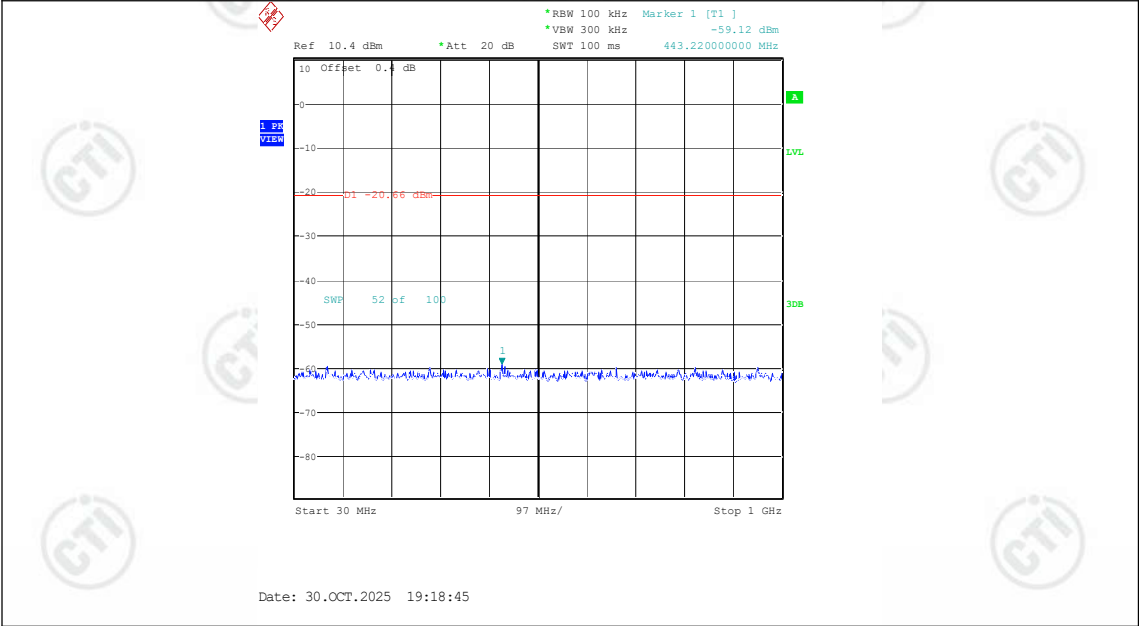
3DH5-Ant1-2402-30~1000-PASS



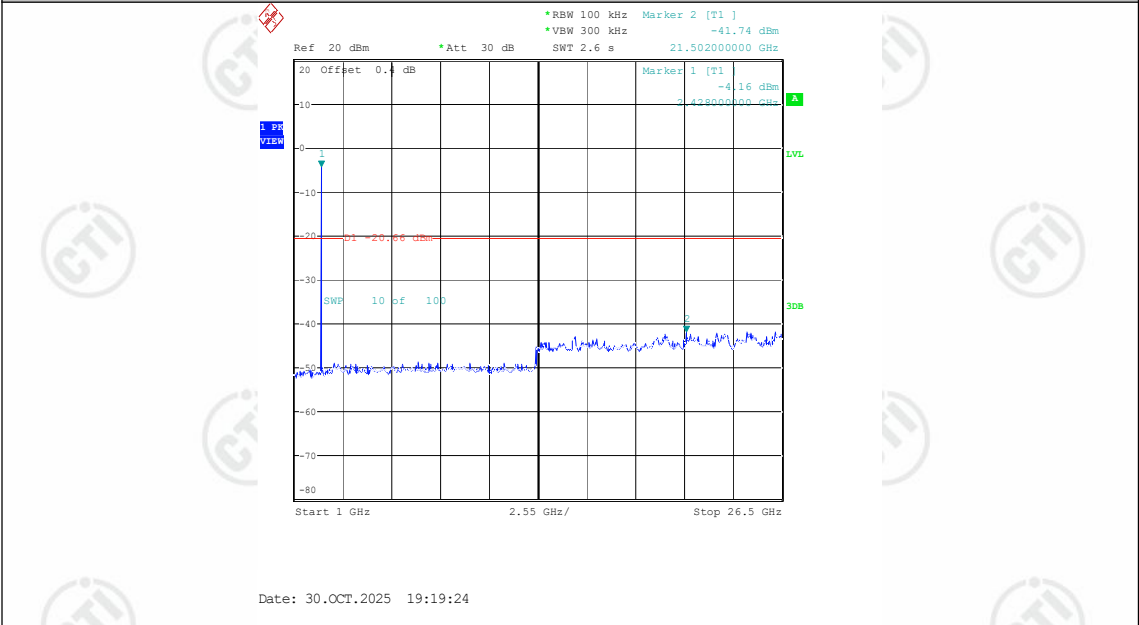
3DH5-Ant1-2402-1000~26500-PASS



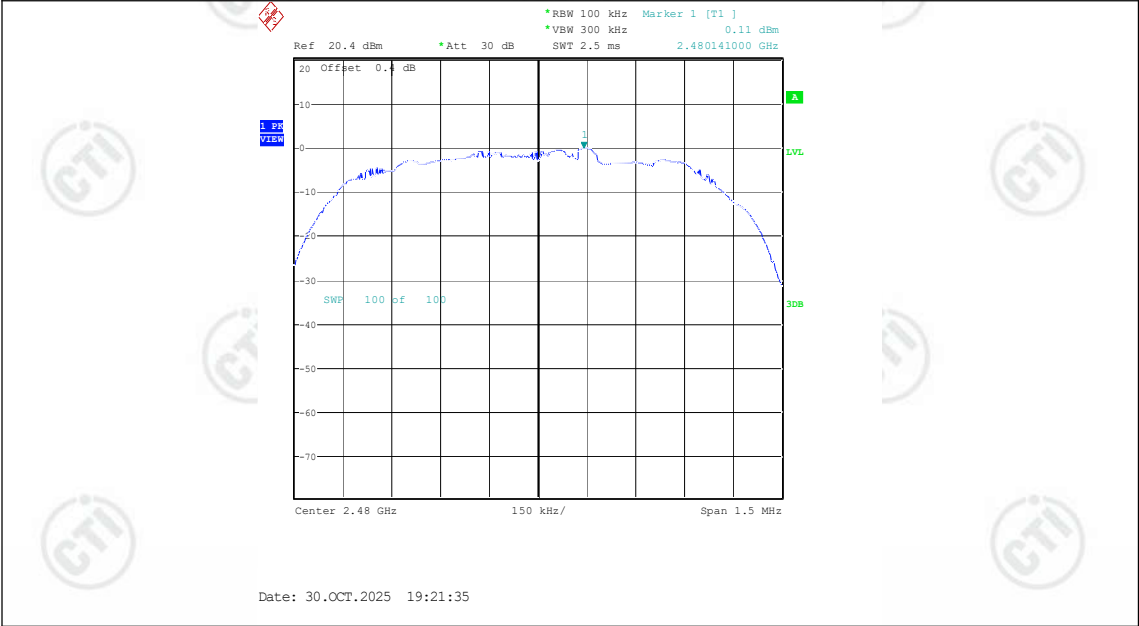
3DH5-Ant1-2441-0~Reference-PASS



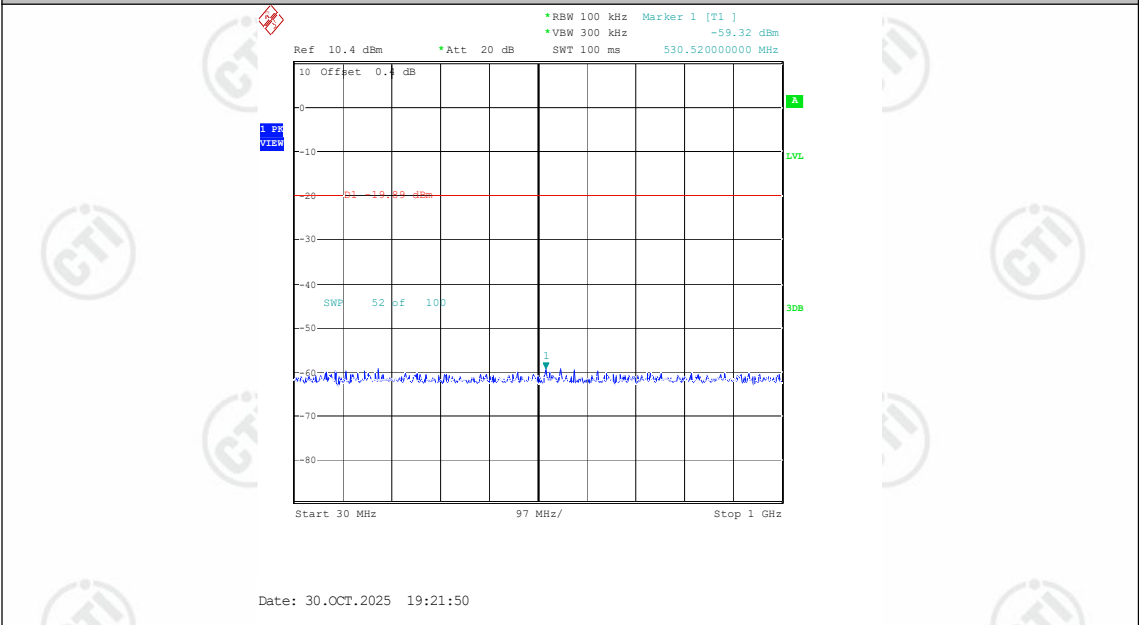
3DH5-Ant1-2441-30~1000-PASS



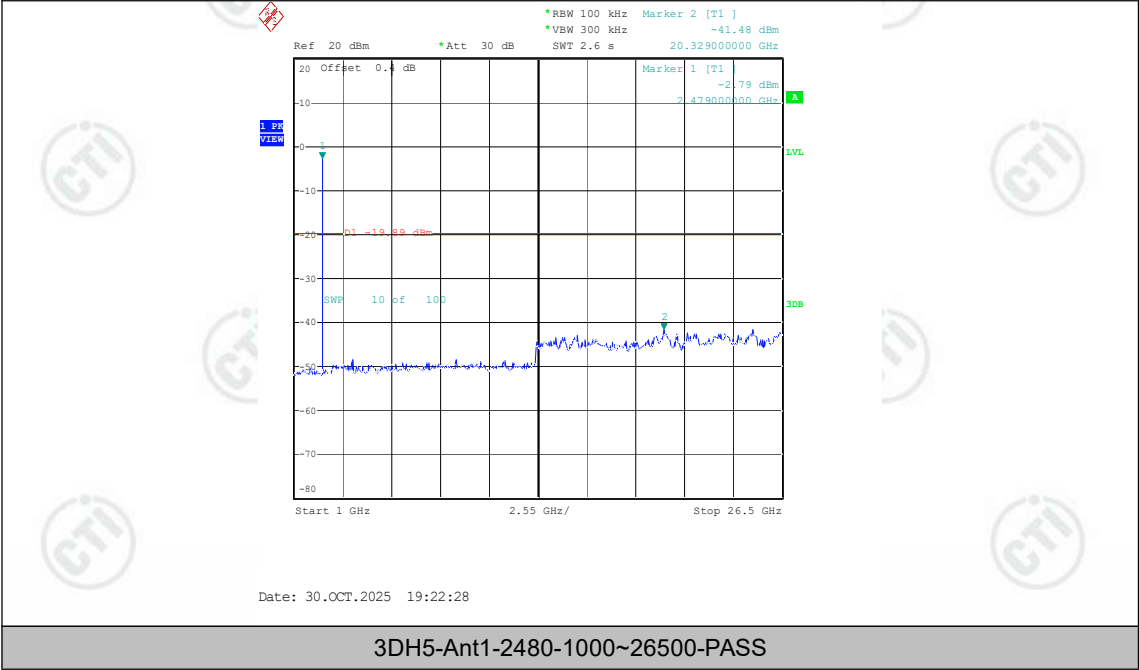
3DH5-Ant1-2441-1000~26500-PASS



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



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

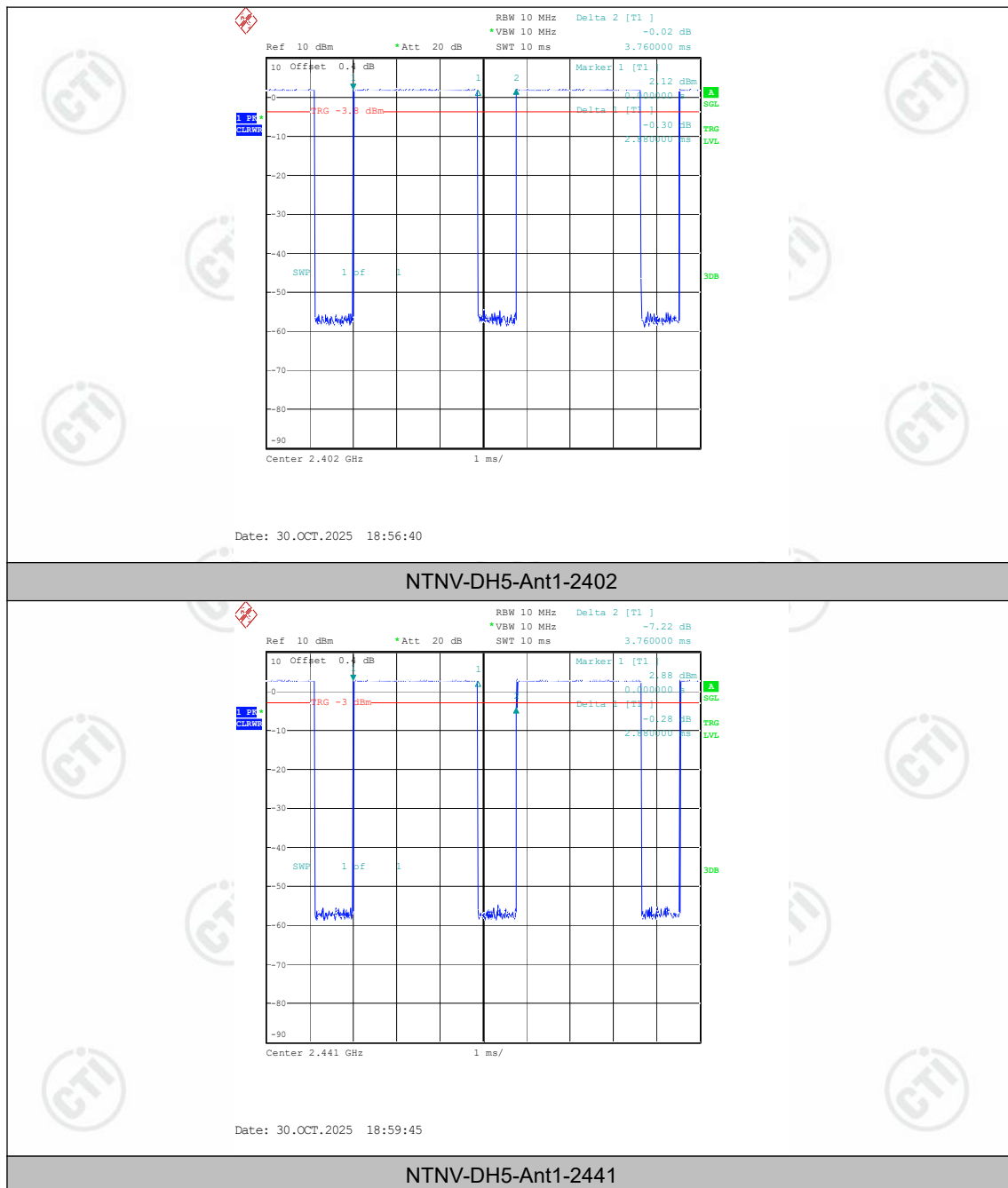


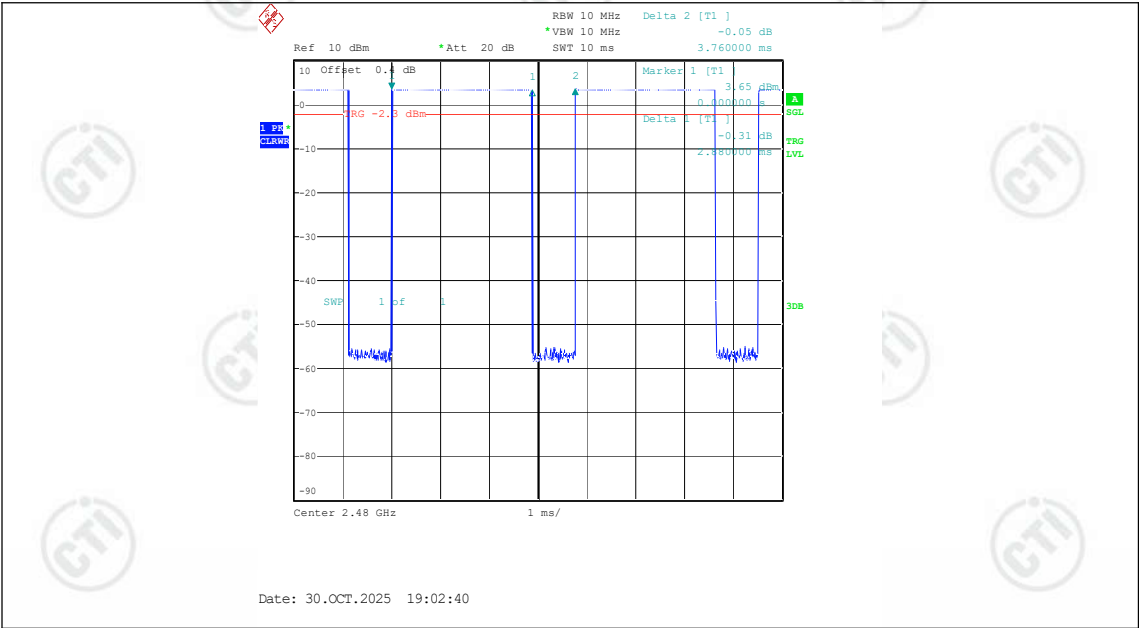
Appendix I: Duty Cycle

Test Result

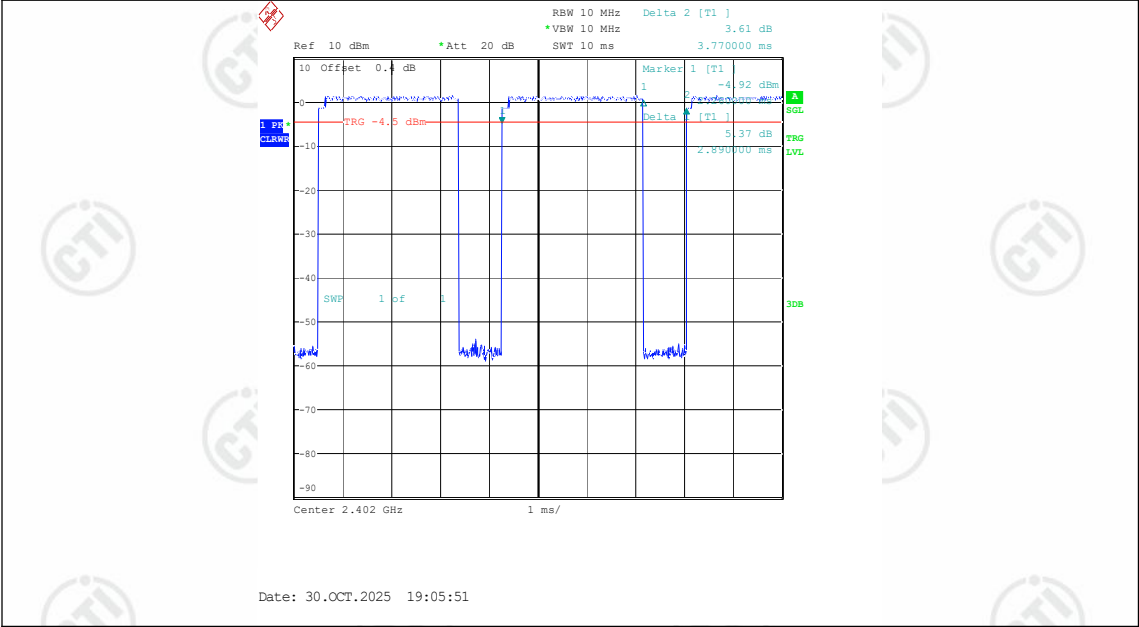
TestMode	Antenna	Frequency[MHz]	ON Time[ms]	Period[ms]	Duty Cycle[%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.88	3.76	76.60	1.16
DH5	Ant1	2441	2.88	3.76	76.60	1.16
DH5	Ant1	2480	2.88	3.76	76.60	1.16
2DH5	Ant1	2402	2.89	3.77	76.66	1.15
2DH5	Ant1	2441	2.88	3.76	76.60	1.16
2DH5	Ant1	2480	2.88	3.76	76.60	1.16
3DH5	Ant1	2402	2.89	3.76	76.86	1.14
3DH5	Ant1	2441	2.89	3.76	76.86	1.14
3DH5	Ant1	2480	2.89	3.76	76.86	1.14

Test Graphs

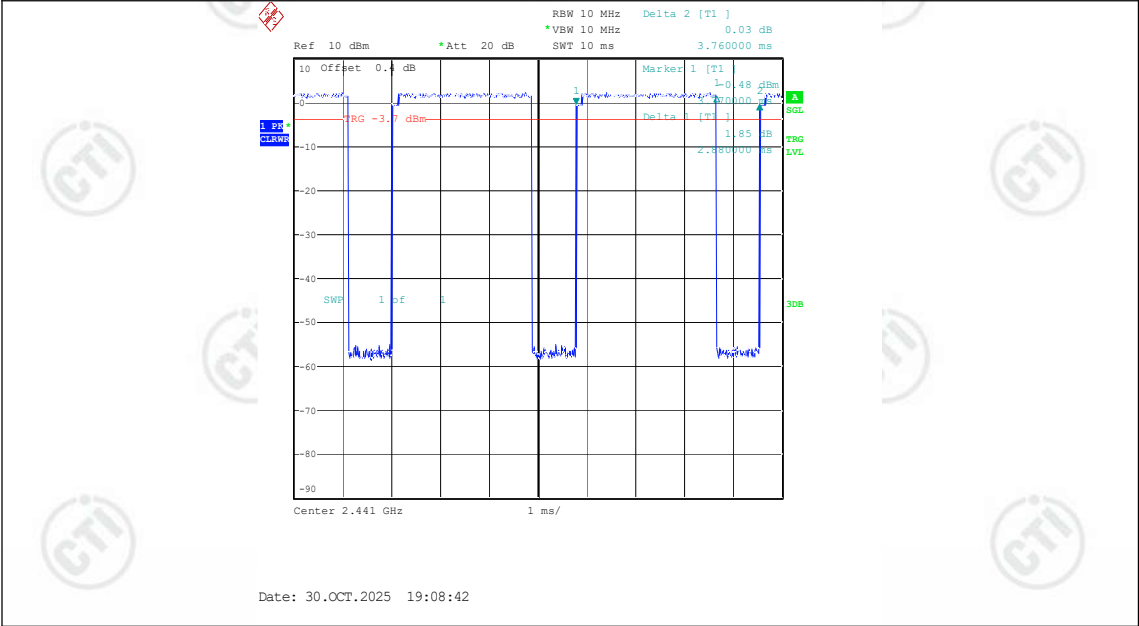




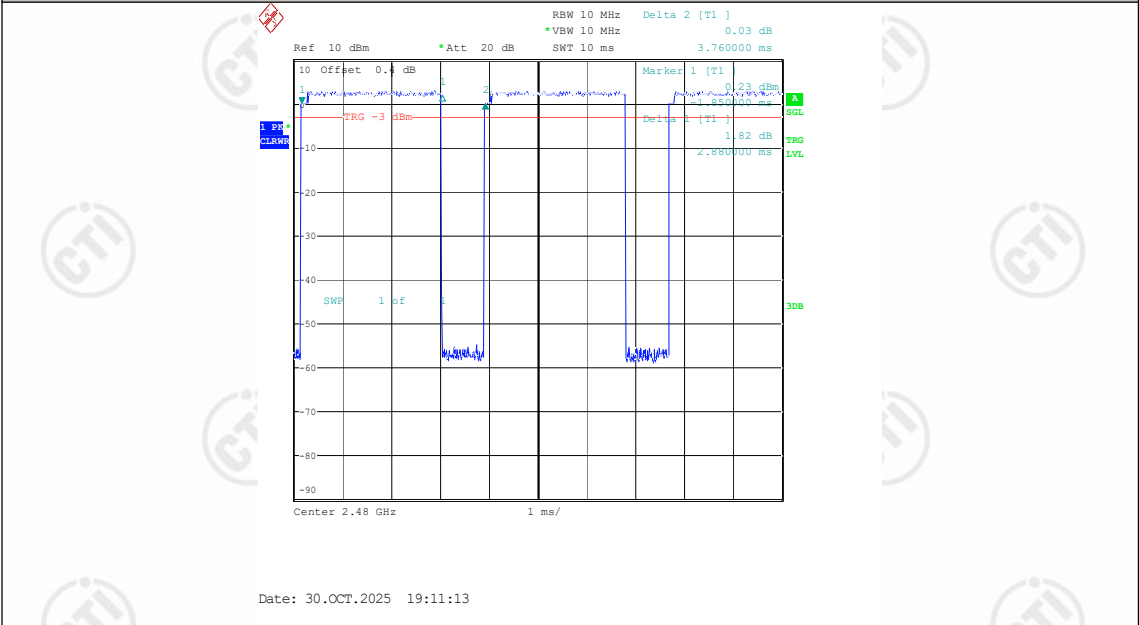
NTNV-DH5-Ant1-2480



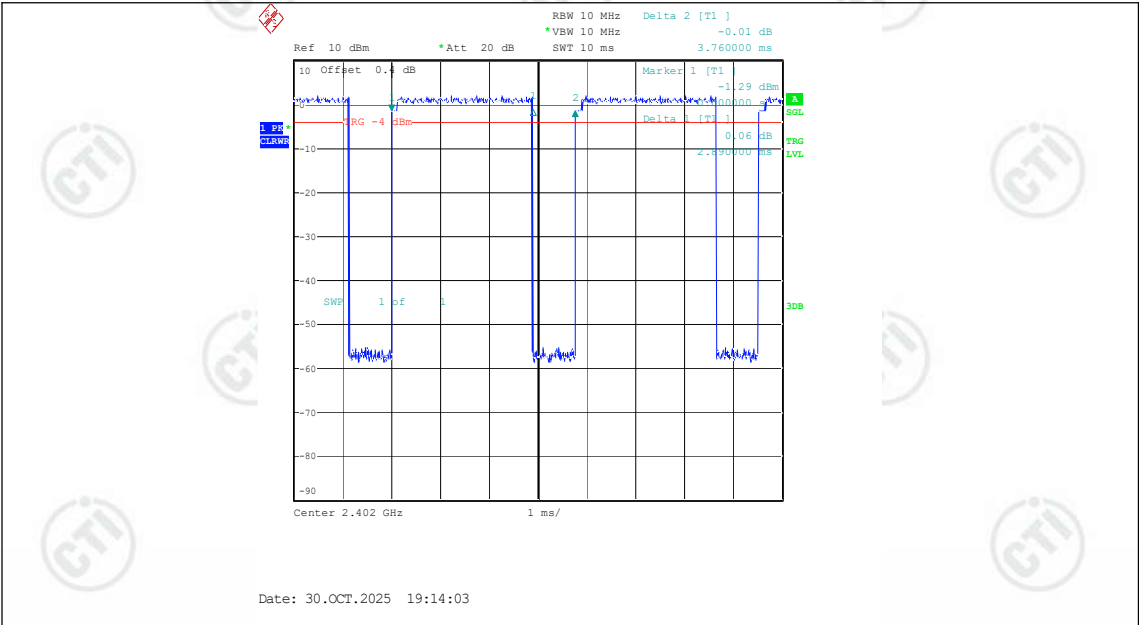
NTNV-2DH5-Ant1-2402



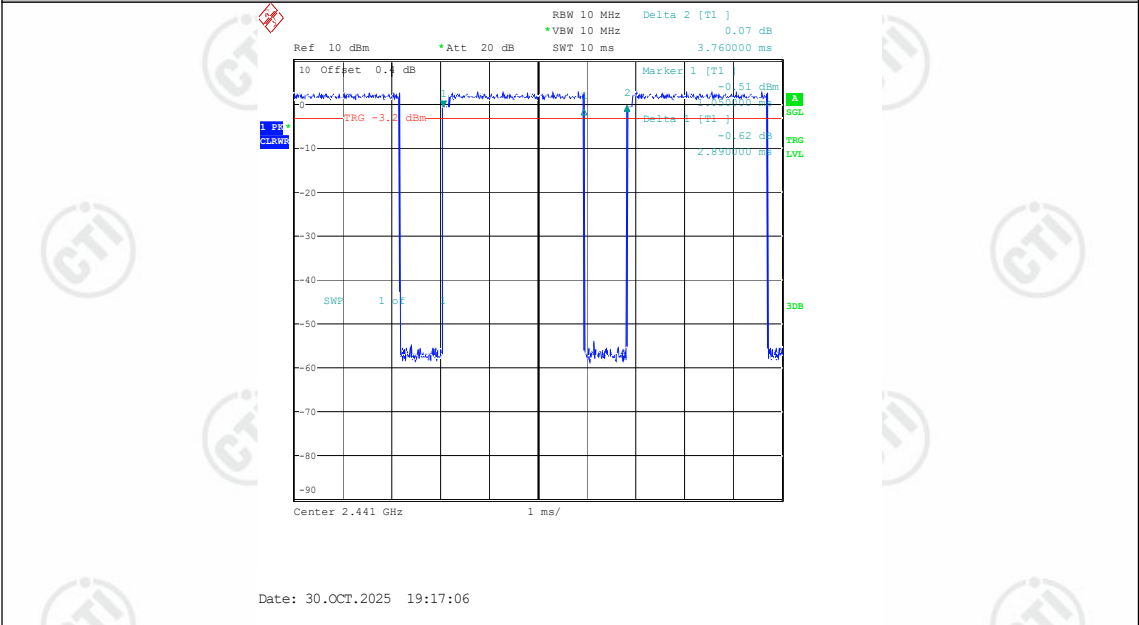
NTVN-2DH5-Ant1-2441



NTVN-2DH5-Ant1-2480



NTVN-3DH5-Ant1-2402



NTVN-3DH5-Ant1-2441

