

Appendix: Bluetooth Classic

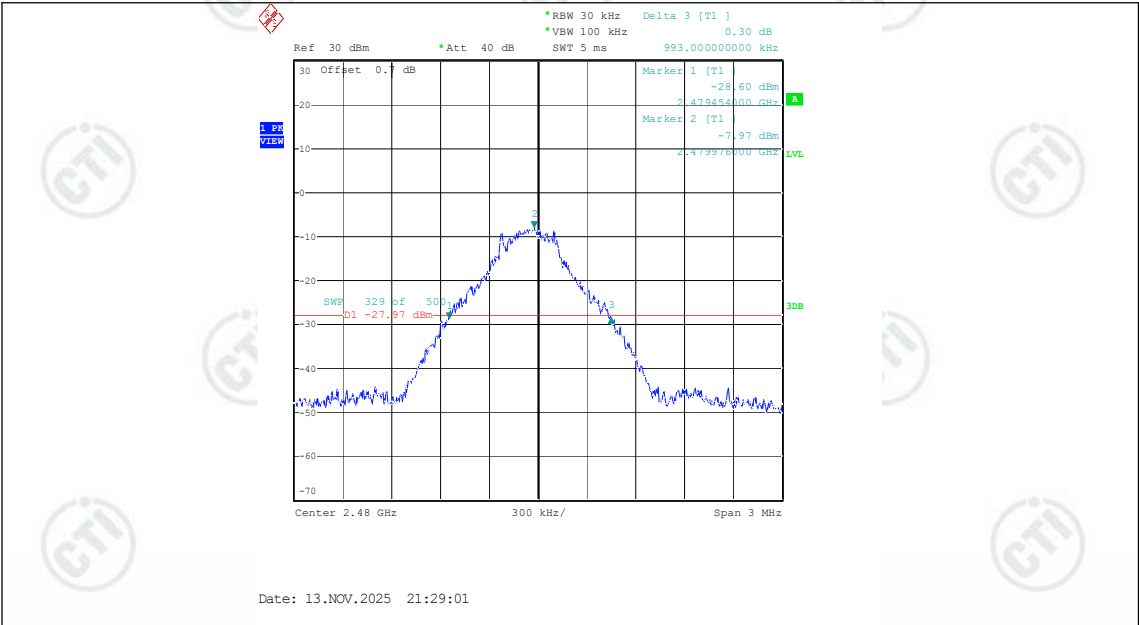
Contents

Appendix A: 20dB Emission Bandwidth	3
Test Result	3
Test Graphs	4
Appendix B: Occupied Channel Bandwidth	9
Test Result	9
Test Graphs	10
Appendix C: Maximum conducted output power	15
Test Result Peak	15
Test Graphs	16
Appendix D: Carrier frequency separation	21
Test Result	21
Test Graphs	22
Appendix E: Time of occupancy	24
Test Result	24
Test Graphs	25
Appendix F: Number of hopping channels	30
Test Result	30
Test Graphs	31
Appendix G: Band edge measurements	33
Test Result	33
Test Graphs	34
Appendix H: Conducted Spurious Emission	40
Test Result	40
Test Graphs	41
Appendix I: Duty Cycle	55
Test Result	55
Test Graphs	56

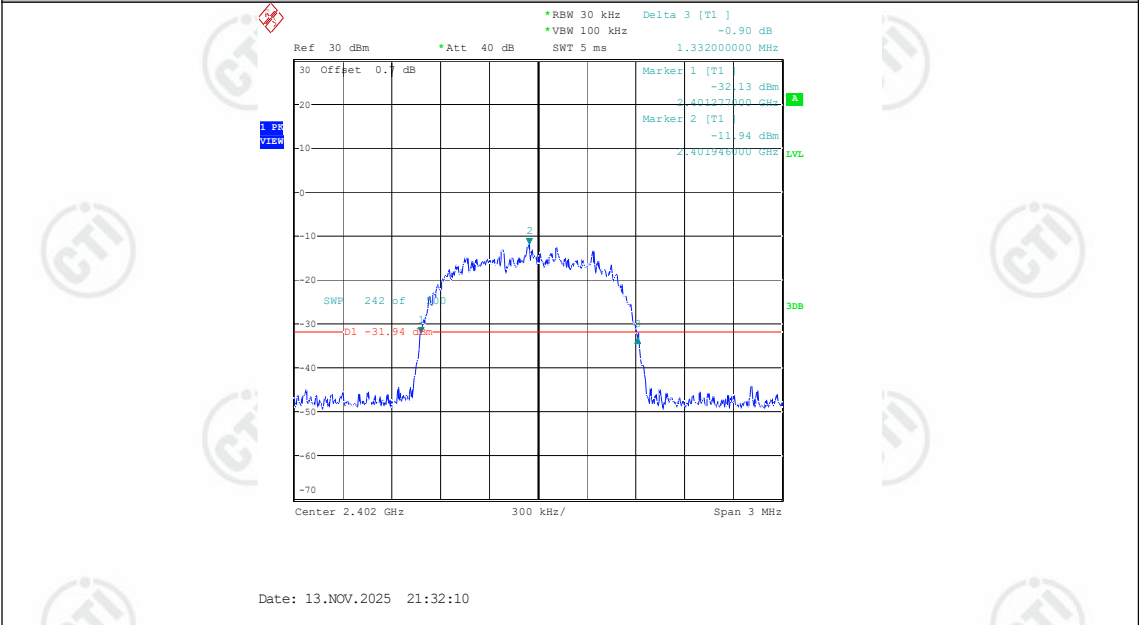
Appendix A: 20dB Emission Bandwidth

Test Result

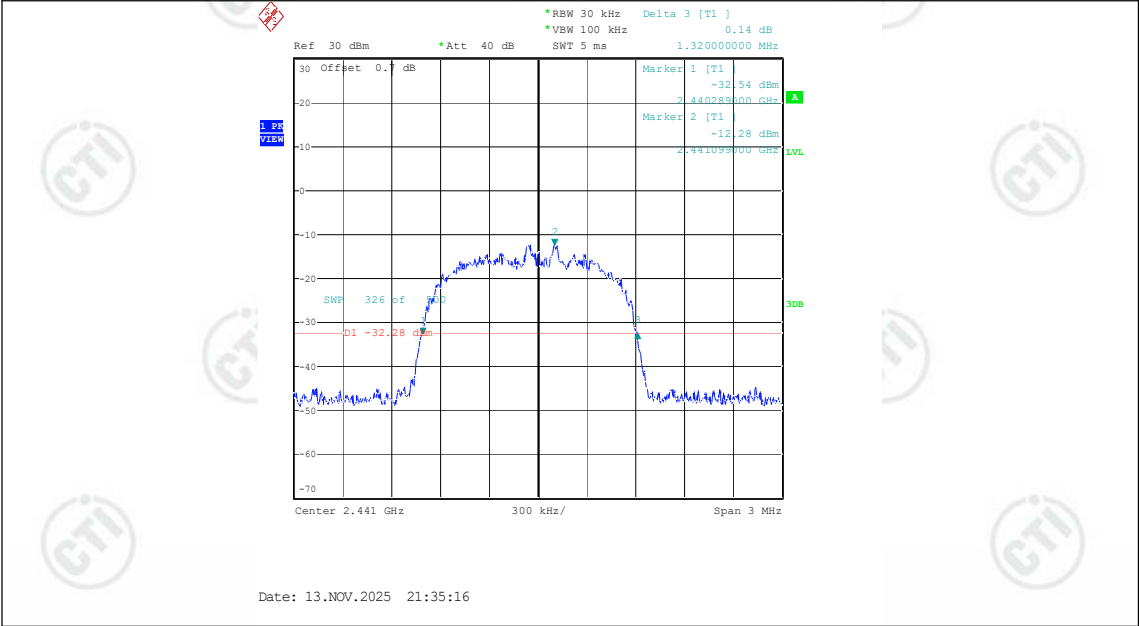
TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.96	2401.47	2402.43	---	---
DH5	Ant1	2441	0.96	2440.47	2441.43	---	---
DH5	Ant1	2480	0.99	2479.45	2480.45	---	---
2DH5	Ant1	2402	1.33	2401.28	2402.61	---	---
2DH5	Ant1	2441	1.32	2440.29	2441.61	---	---
2DH5	Ant1	2480	1.32	2479.29	2480.61	---	---
3DH5	Ant1	2402	1.31	2401.30	2402.61	---	---
3DH5	Ant1	2441	1.34	2440.28	2441.62	---	---
3DH5	Ant1	2480	1.32	2479.29	2480.61	---	---



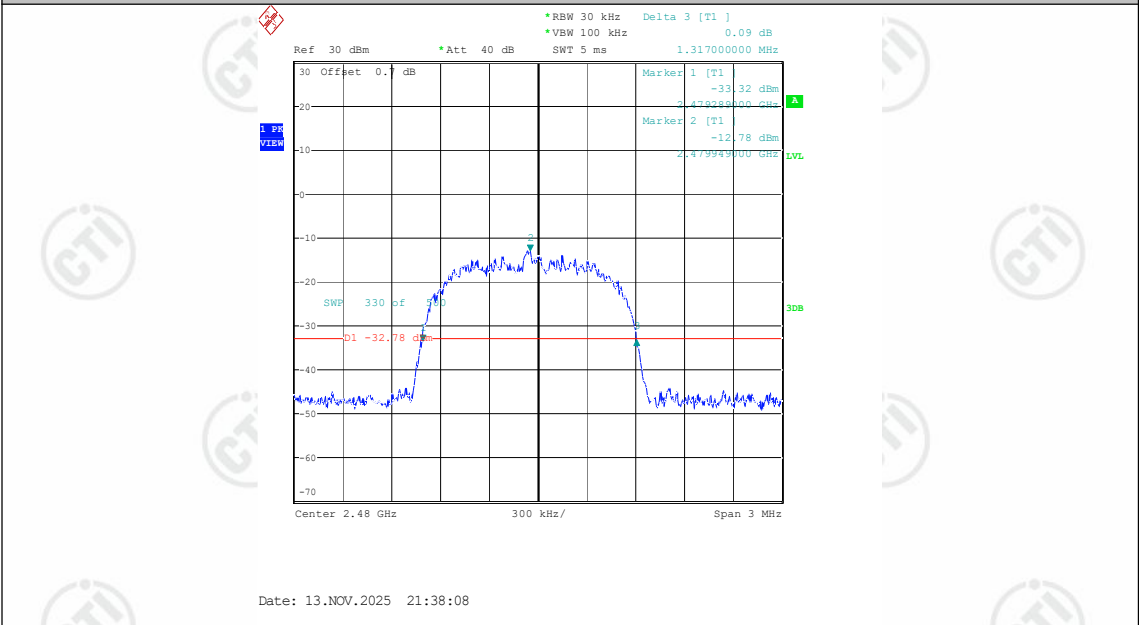
DH5-Ant1-2480



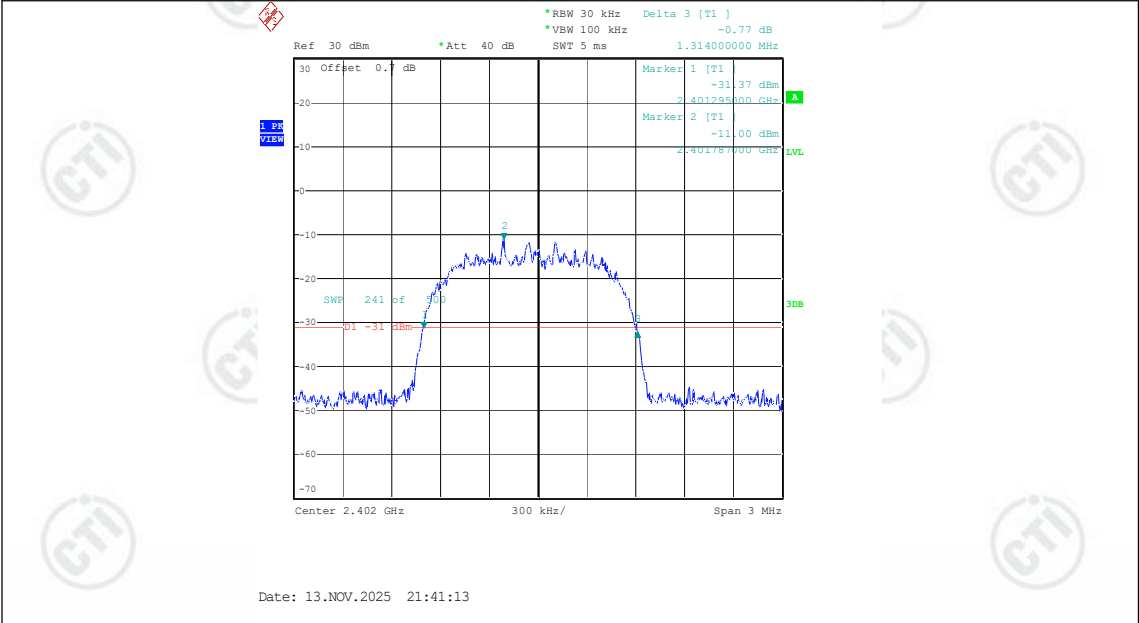
2DH5-Ant1-2402



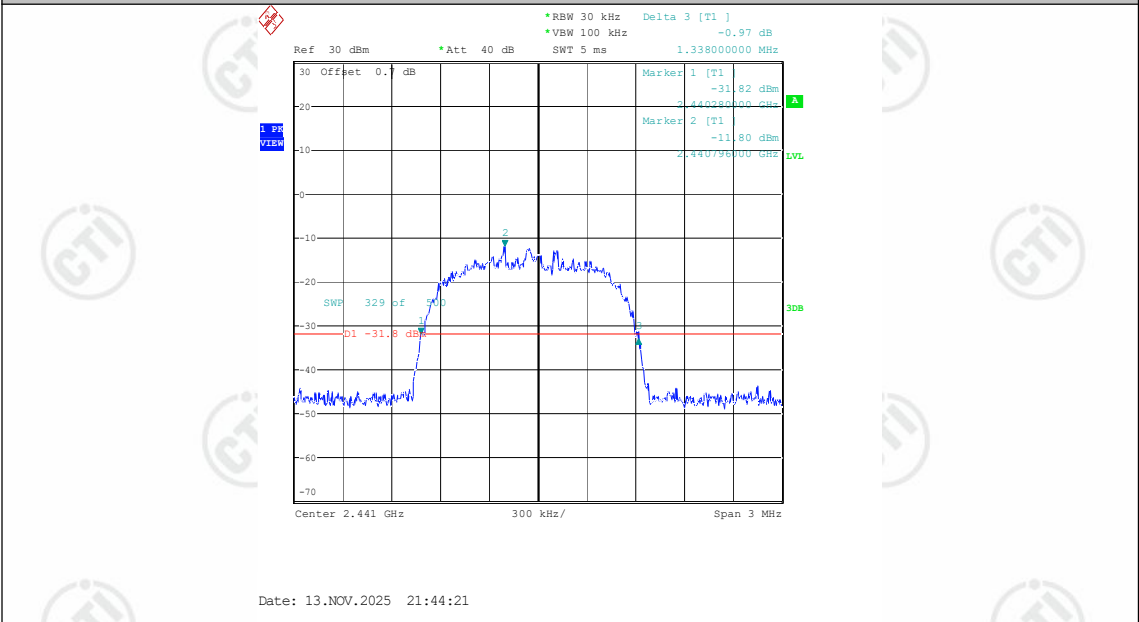
2DH5-Ant1-2441



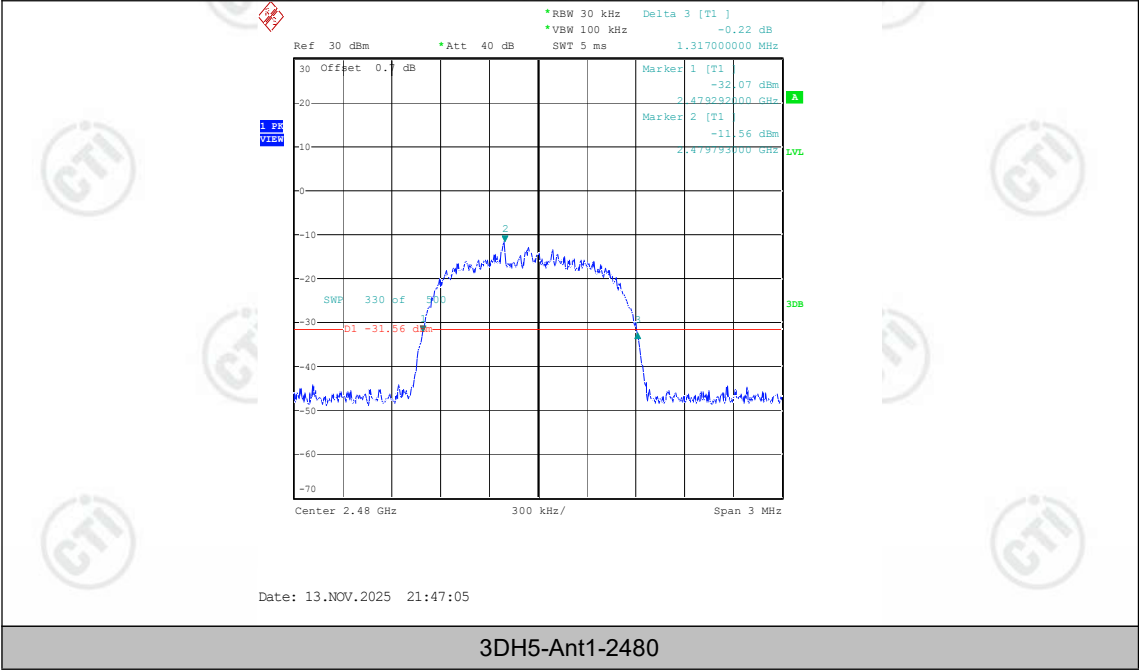
2DH5-Ant1-2480



3DH5-Ant1-2402



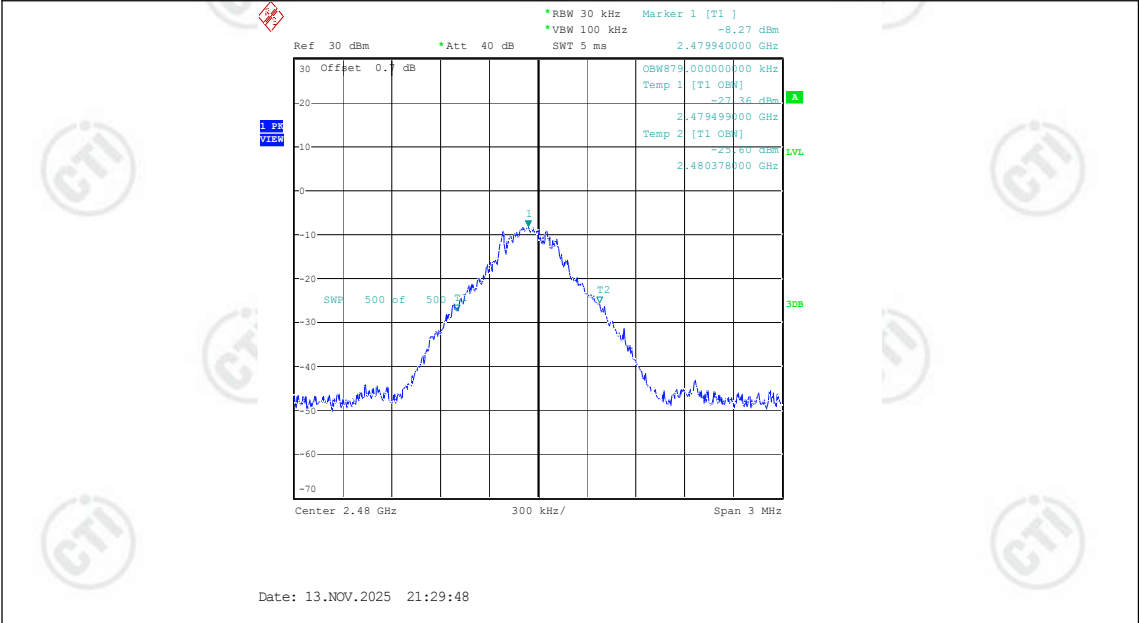
3DH5-Ant1-2441



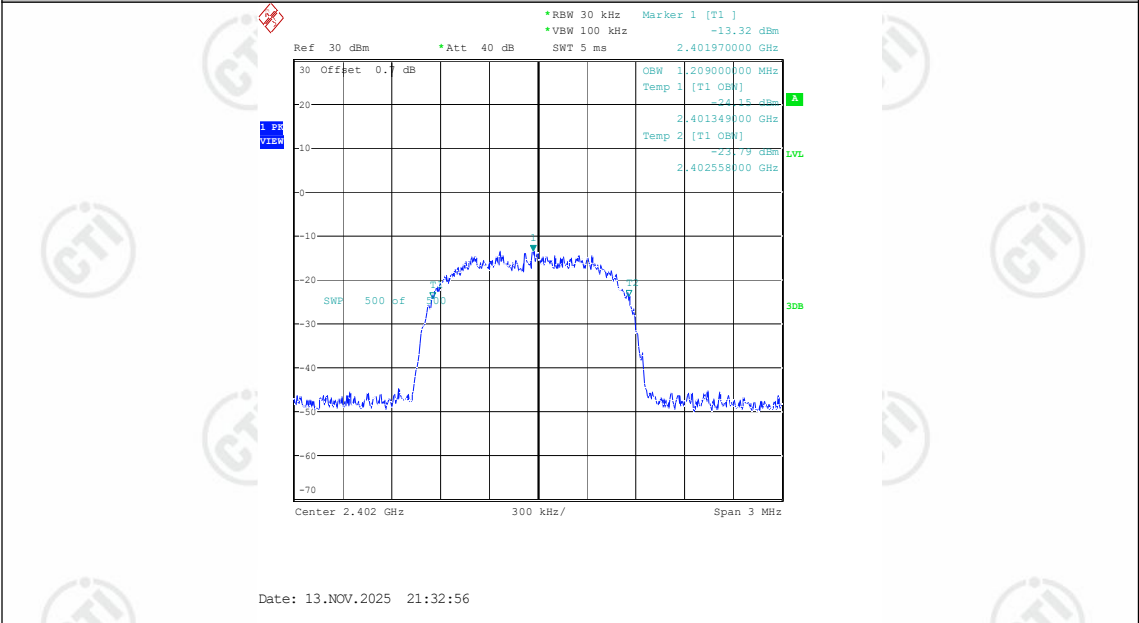
Appendix B: Occupied Channel Bandwidth

Test Result

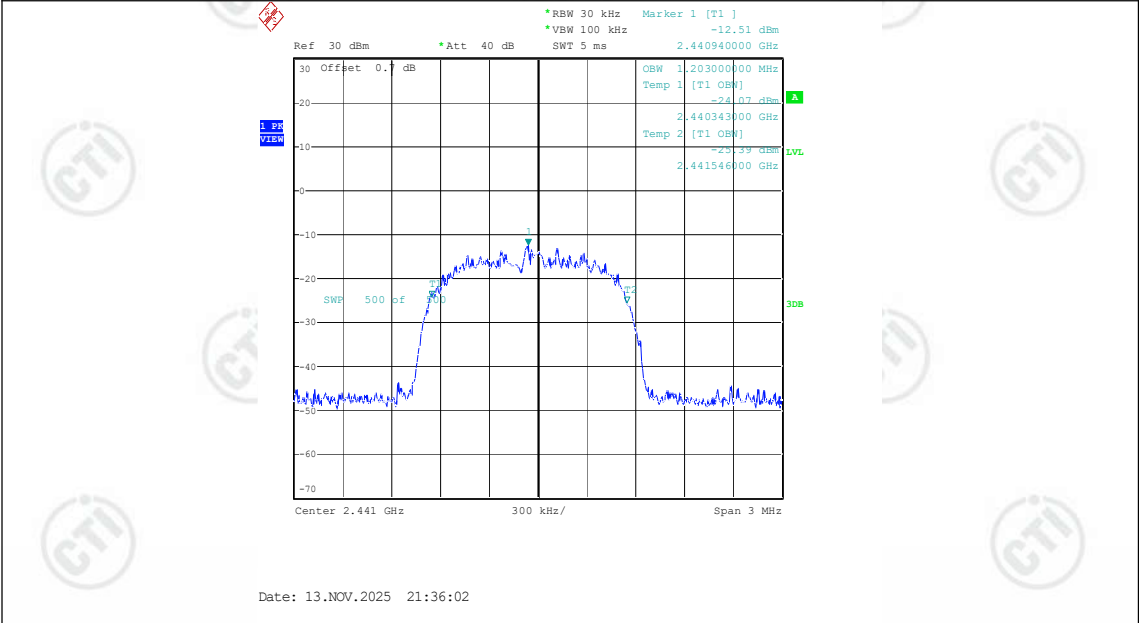
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87600	---	---
DH5	Ant1	2441	0.88500	---	---
DH5	Ant1	2480	0.87900	---	---
2DH5	Ant1	2402	1.2090	---	---
2DH5	Ant1	2441	1.2030	---	---
2DH5	Ant1	2480	1.2120	---	---
3DH5	Ant1	2402	1.2030	---	---
3DH5	Ant1	2441	1.2000	---	---
3DH5	Ant1	2480	1.2000	---	---



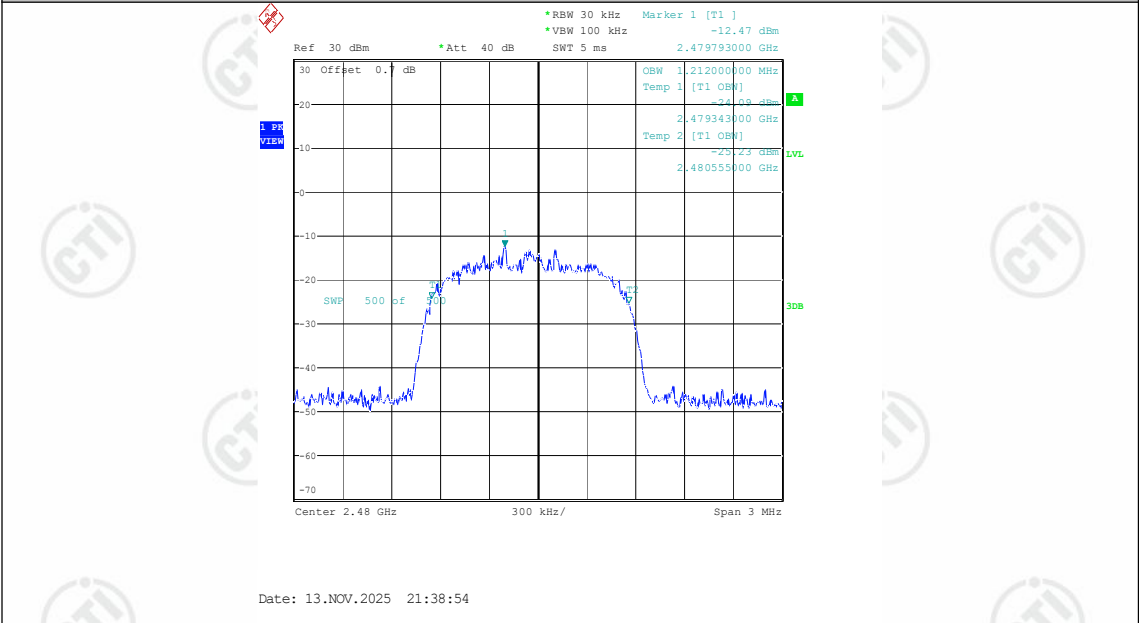
DH5-Ant1-2480



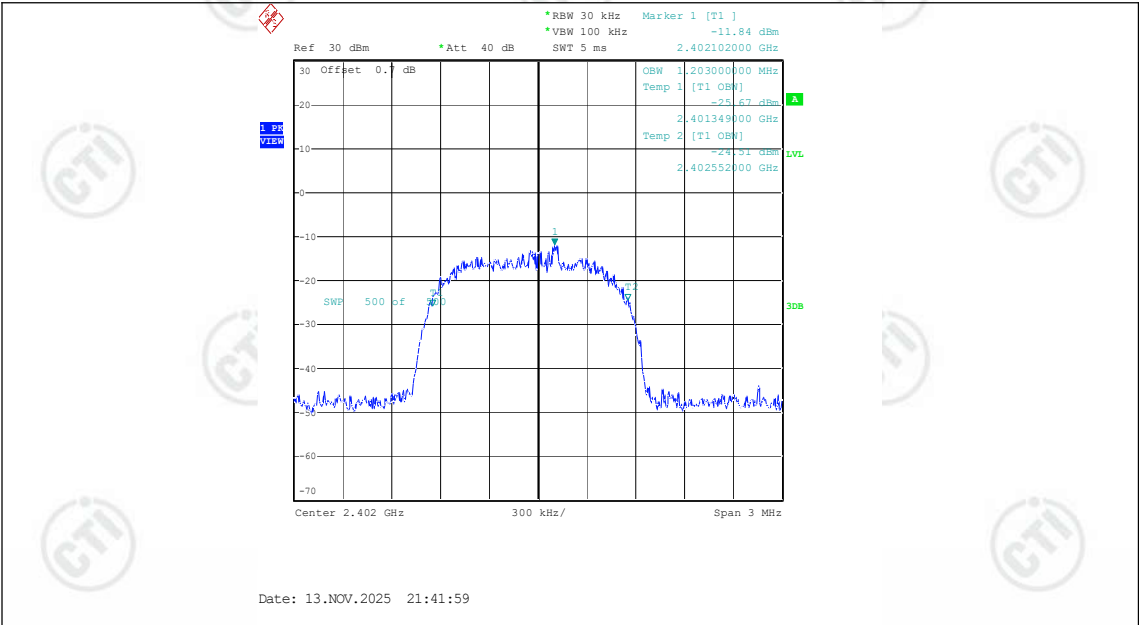
2DH5-Ant1-2402



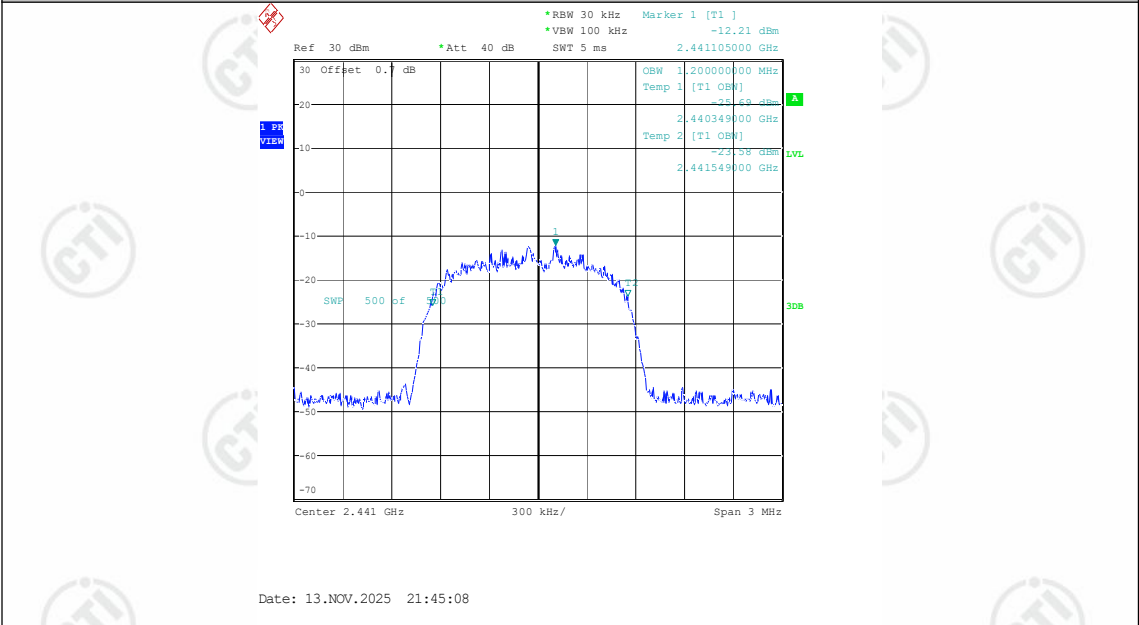
2DH5-Ant1-2441



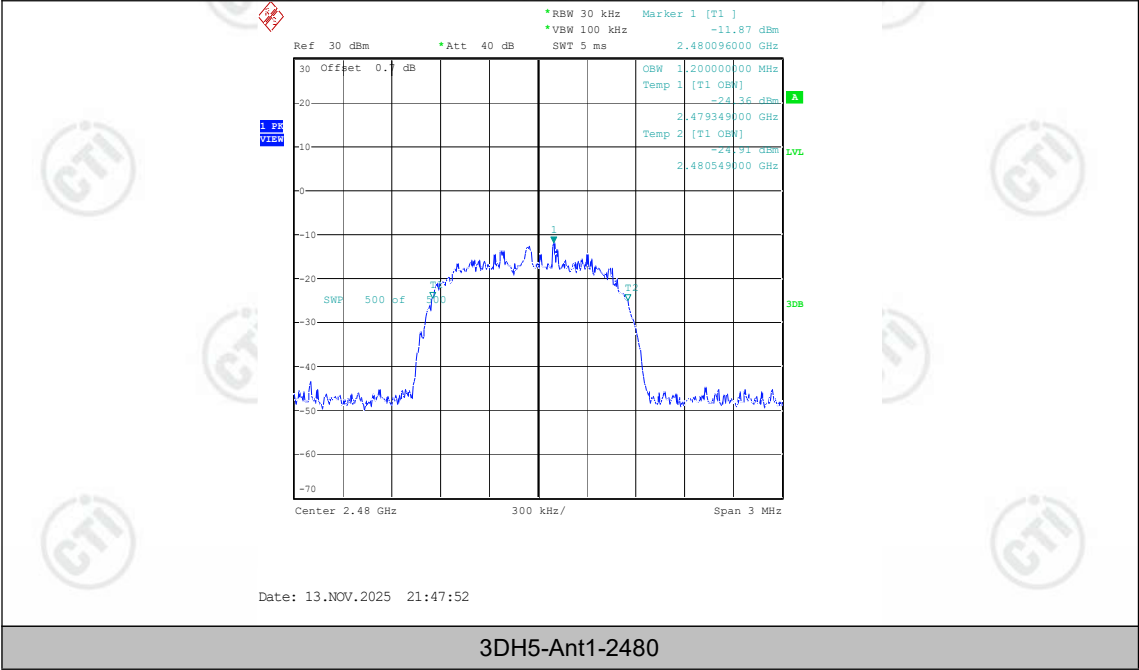
2DH5-Ant1-2480



3DH5-Ant1-2402



3DH5-Ant1-2441



Appendix C: Maximum conducted output power

Test Result Peak

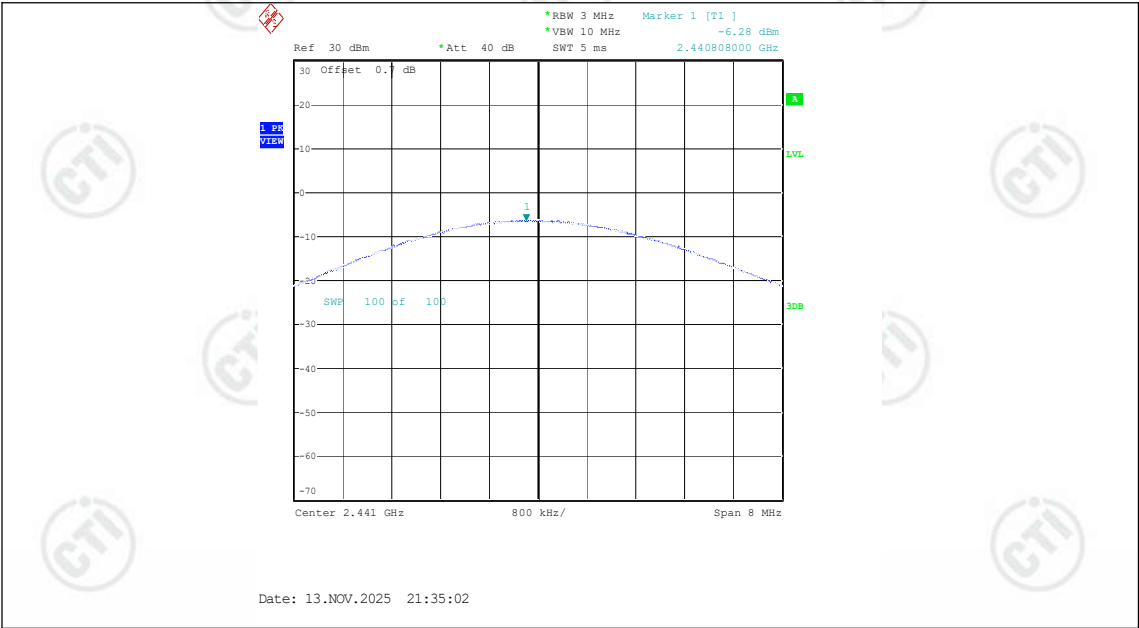
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-5.18	≤20.97	PASS
DH5	Ant1	2441	-5.69	≤20.97	PASS
DH5	Ant1	2480	-6.10	≤20.97	PASS
2DH5	Ant1	2402	-5.78	≤20.97	PASS
2DH5	Ant1	2441	-6.28	≤20.97	PASS
2DH5	Ant1	2480	-6.67	≤20.97	PASS
3DH5	Ant1	2402	-5.33	≤20.97	PASS
3DH5	Ant1	2441	-5.76	≤20.97	PASS
3DH5	Ant1	2480	-6.20	≤20.97	PASS



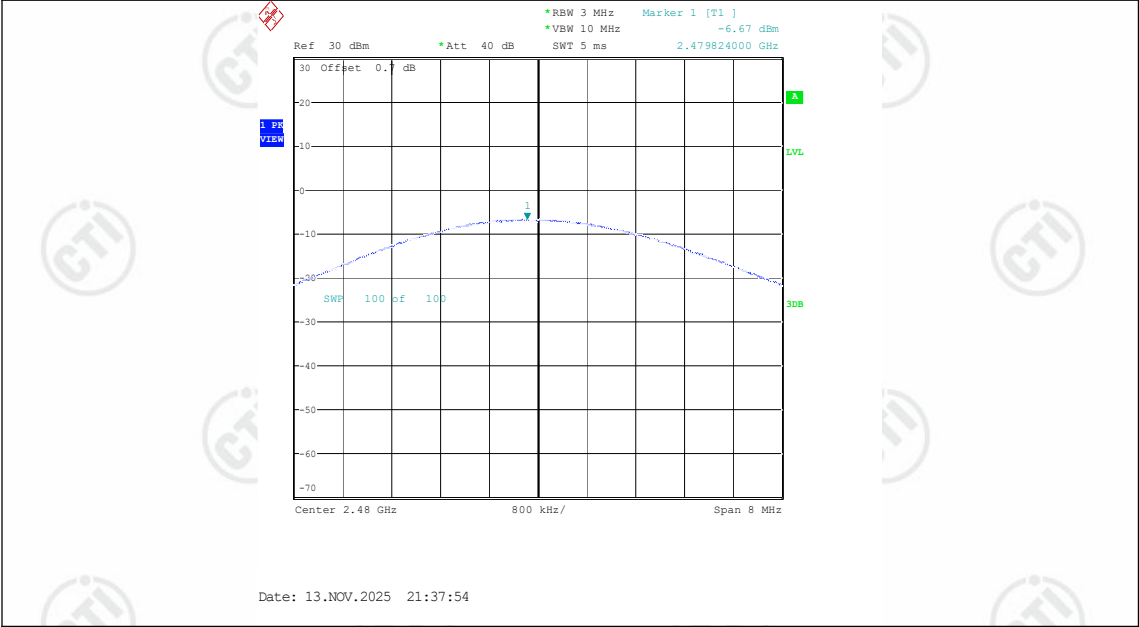
DH5-Ant1-2480-PASS



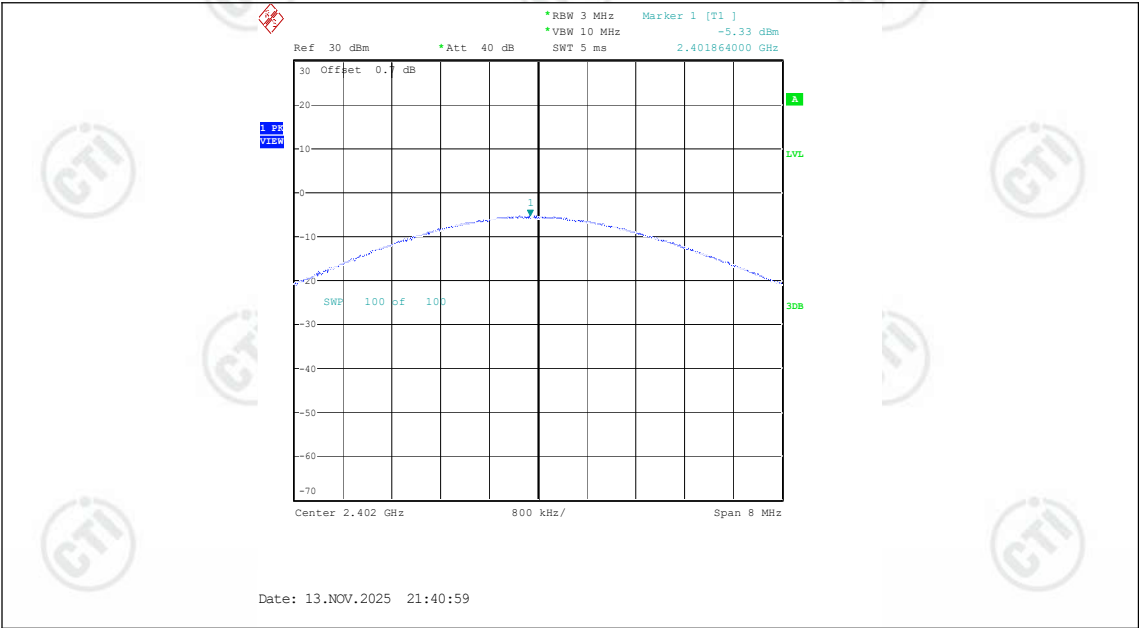
2DH5-Ant1-2402-PASS



2DH5-Ant1-2441-PASS



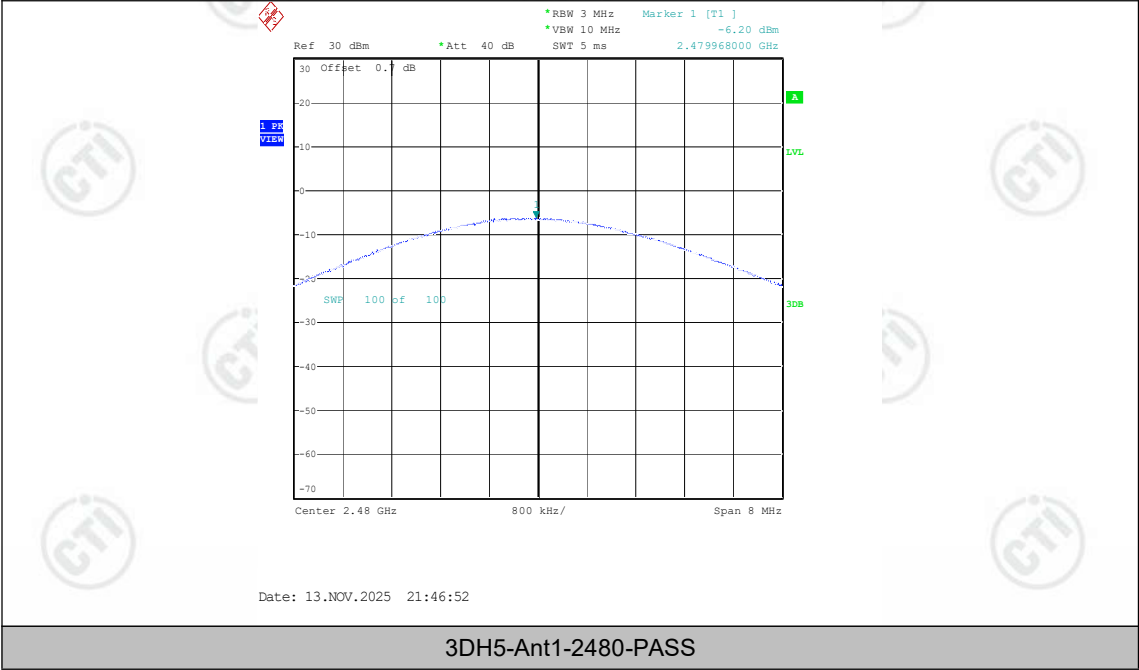
2DH5-Ant1-2480-PASS



3DH5-Ant1-2402-PASS



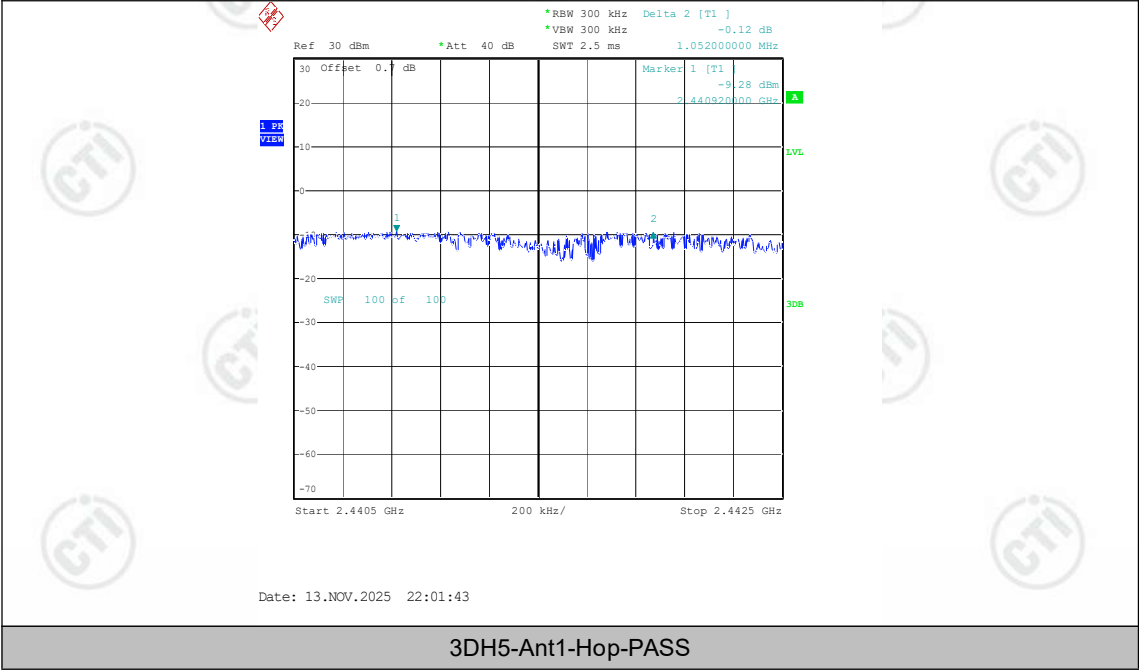
3DH5-Ant1-2441-PASS



Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.996	≥0.990	PASS
2DH5	Ant1	Hop	1.024	≥0.887	PASS
3DH5	Ant1	Hop	1.052	≥0.893	PASS

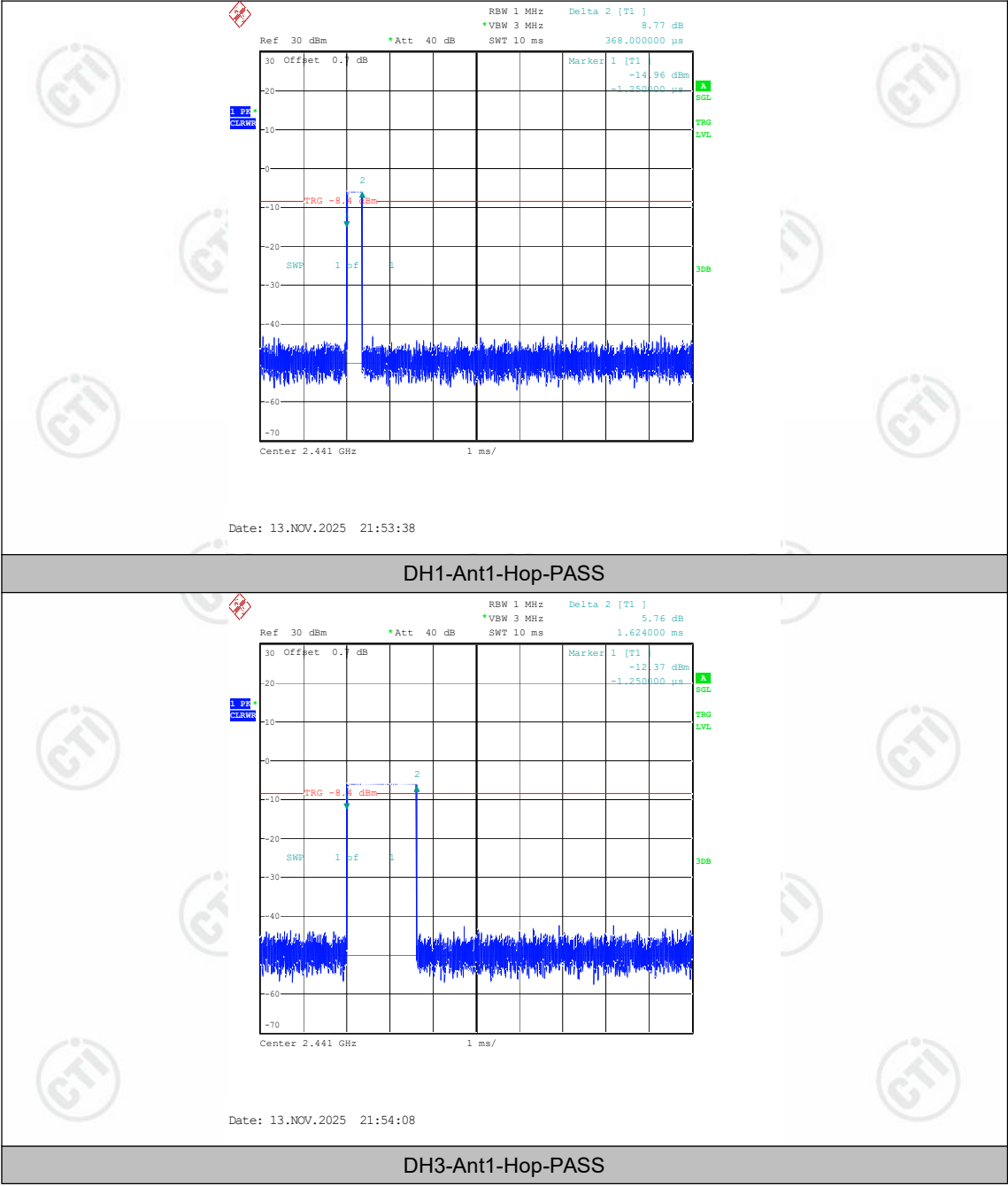


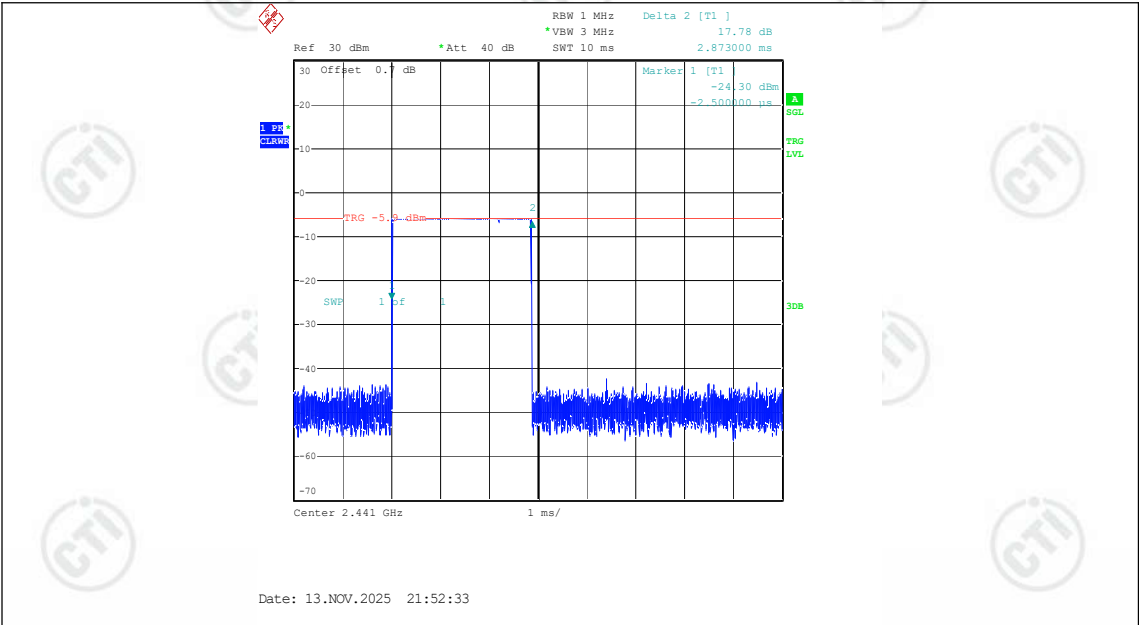
Appendix E: Time of occupancy

Test Result

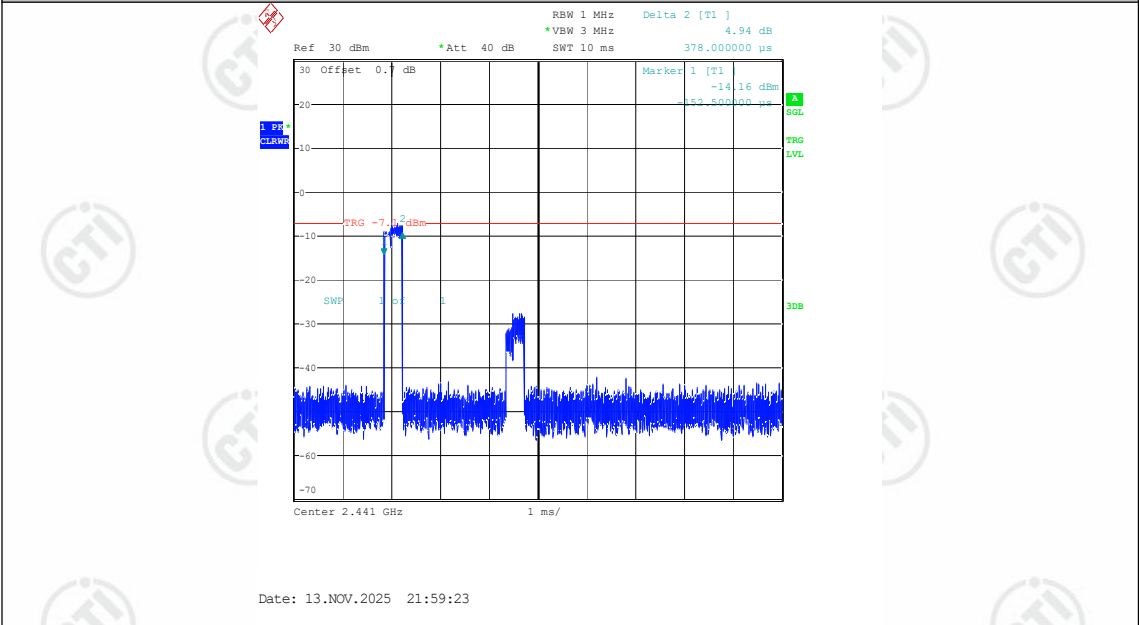
TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.368	320	0.118	≤0.4	PASS
DH3	Ant1	Hop	1.624	160	0.26	≤0.4	PASS
DH5	Ant1	Hop	2.873	106.67	0.306	≤0.4	PASS
2DH1	Ant1	Hop	0.378	320	0.121	≤0.4	PASS
2DH3	Ant1	Hop	1.629	160	0.261	≤0.4	PASS
2DH5	Ant1	Hop	2.878	106.67	0.307	≤0.4	PASS
3DH1	Ant1	Hop	0.378	320	0.121	≤0.4	PASS
3DH3	Ant1	Hop	1.629	160	0.261	≤0.4	PASS
3DH5	Ant1	Hop	2.880	106.67	0.307	≤0.4	PASS

Test Graphs

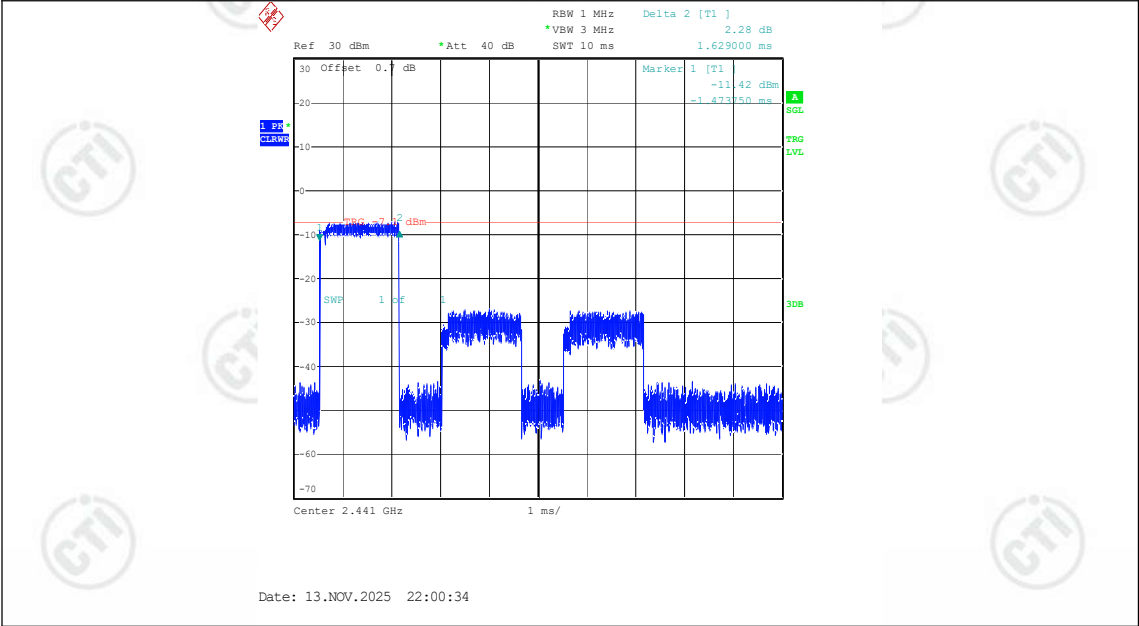




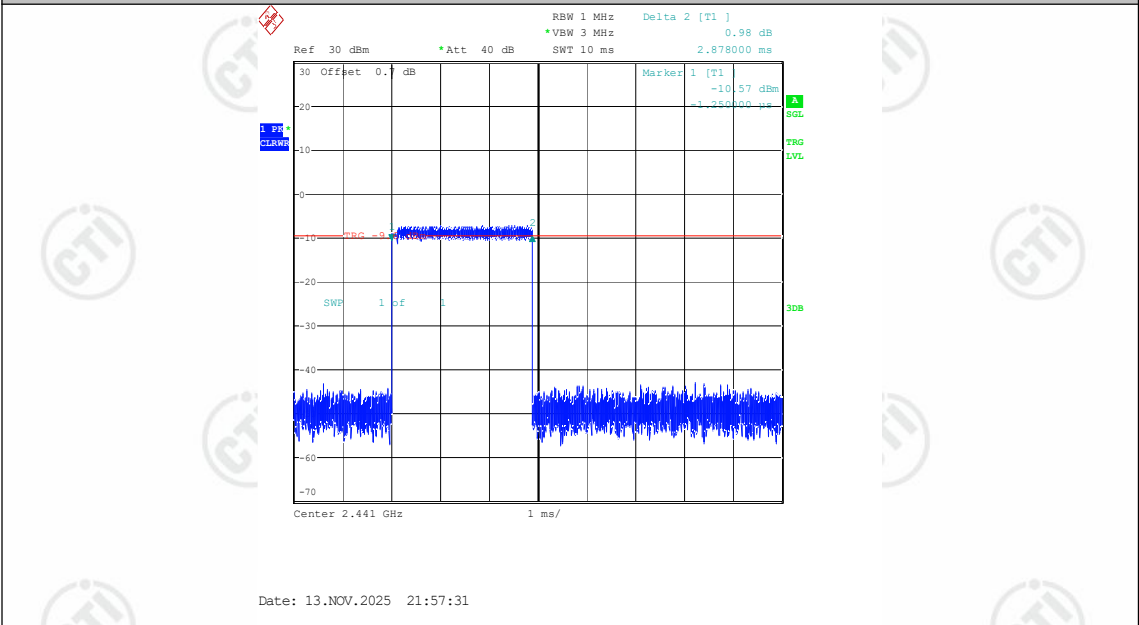
DH5-Ant1-Hop-PASS



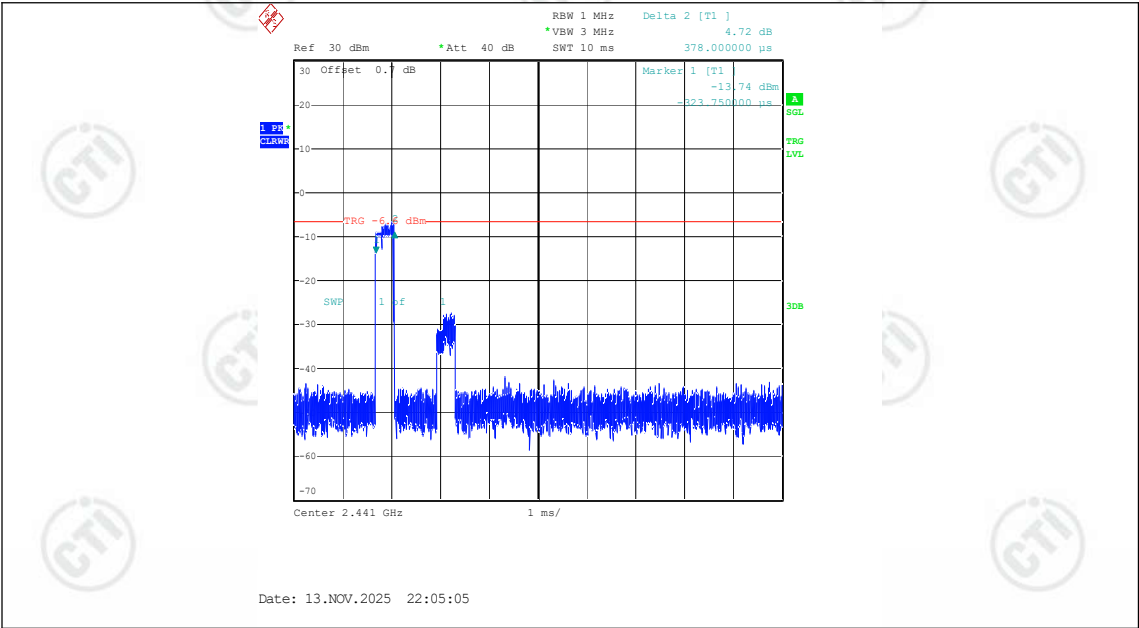
2DH1-Ant1-Hop-PASS



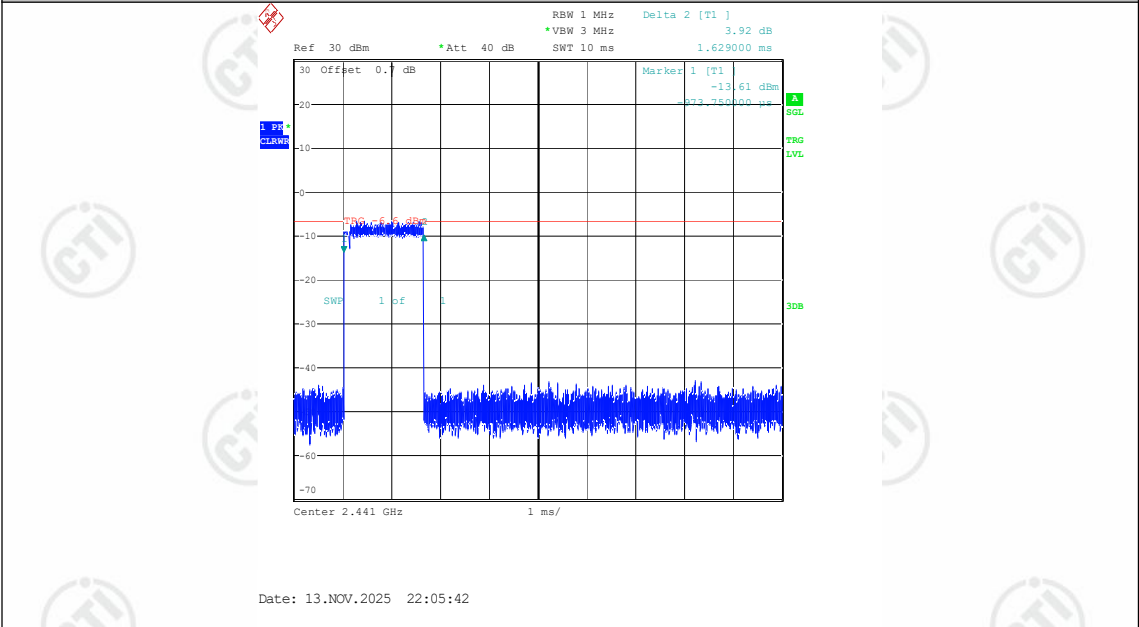
2DH3-Ant1-Hop-PASS



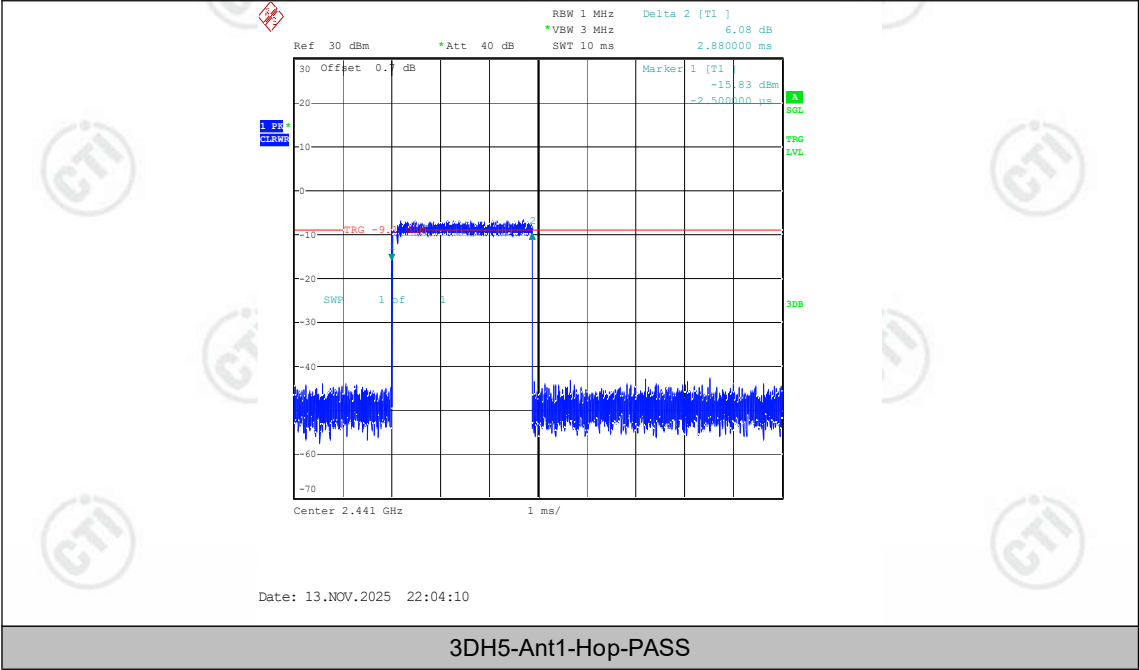
2DH5-Ant1-Hop-PASS



3DH1-Ant1-Hop-PASS



3DH3-Ant1-Hop-PASS



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	-5.28	-49.53	≤-25.28	PASS
DH5	Ant1	High	2480	-6.24	-49.52	≤-26.24	PASS
DH5	Ant1	Low	Hop_2402	-5.49	-48.19	≤-25.49	PASS
DH5	Ant1	High	Hop_2480	-6.49	-49.6	≤-26.49	PASS
2DH5	Ant1	Low	2402	-8.58	-49.45	≤-28.58	PASS
2DH5	Ant1	High	2480	-10.20	-49.05	≤-30.2	PASS
2DH5	Ant1	Low	Hop_2402	-8.67	-49.03	≤-28.67	PASS
2DH5	Ant1	High	Hop_2480	-9.84	-49.58	≤-29.84	PASS
3DH5	Ant1	Low	2402	-8.62	-49.55	≤-28.62	PASS
3DH5	Ant1	High	2480	-10.29	-48.73	≤-30.29	PASS
3DH5	Ant1	Low	Hop_2402	-10.02	-49.46	≤-30.02	PASS
3DH5	Ant1	High	Hop_2480	-9.56	-49.03	≤-29.56	PASS

Test Graphs

