

Appendix: Bluetooth Classic

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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	0.96	2401.52	2402.48	---	---
DH5	Ant1	2441	0.96	2440.52	2441.48	---	---
DH5	Ant1	2480	0.96	2479.52	2480.48	---	---
2DH5	Ant1	2402	1.28	2401.36	2402.64	---	---
2DH5	Ant1	2441	1.29	2440.36	2441.65	---	---
2DH5	Ant1	2480	1.28	2479.36	2480.64	---	---
3DH5	Ant1	2402	1.29	2401.34	2402.64	---	---
3DH5	Ant1	2441	1.29	2440.34	2441.63	---	---
3DH5	Ant1	2480	1.29	2479.34	2480.63	---	---



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

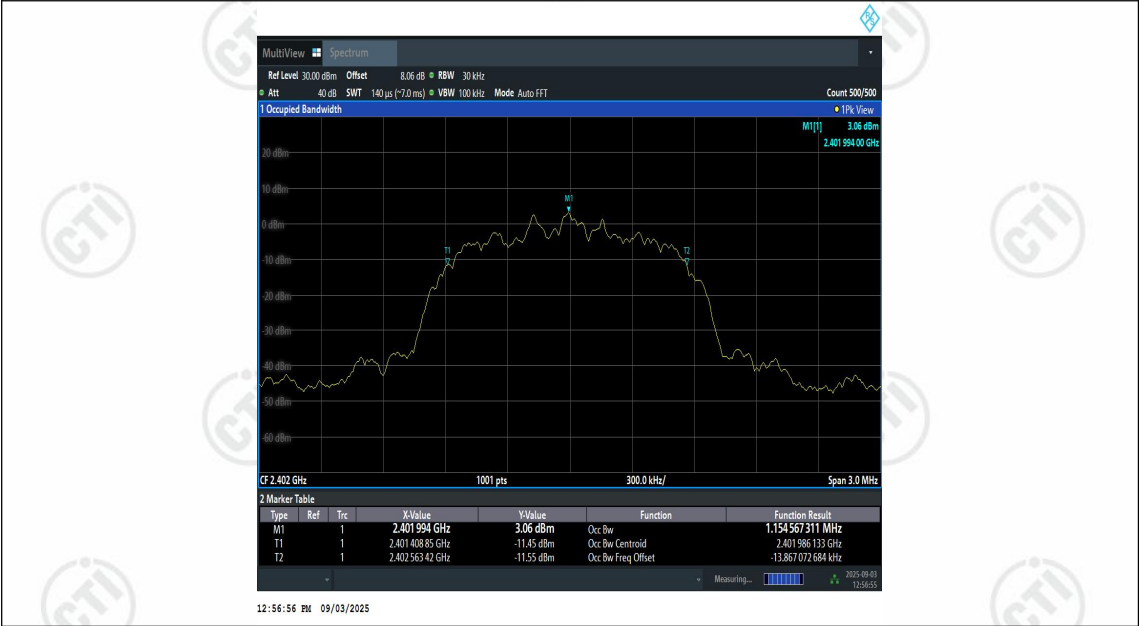
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.88889	2401.5453	2402.4342	---	---
DH5	Ant1	2441	0.88405	2440.5468	2441.4308	---	---
DH5	Ant1	2480	0.88253	2479.5467	2480.4293	---	---
2DH5	Ant1	2402	1.1546	2401.4088	2402.5634	---	---
2DH5	Ant1	2441	1.1507	2440.4103	2441.5610	---	---
2DH5	Ant1	2480	1.1506	2479.4102	2480.5608	---	---
3DH5	Ant1	2402	1.1535	2401.4149	2402.5684	---	---
3DH5	Ant1	2441	1.1525	2440.4152	2441.5676	---	---
3DH5	Ant1	2480	1.1550	2479.4135	2480.5686	---	---

Test Graphs

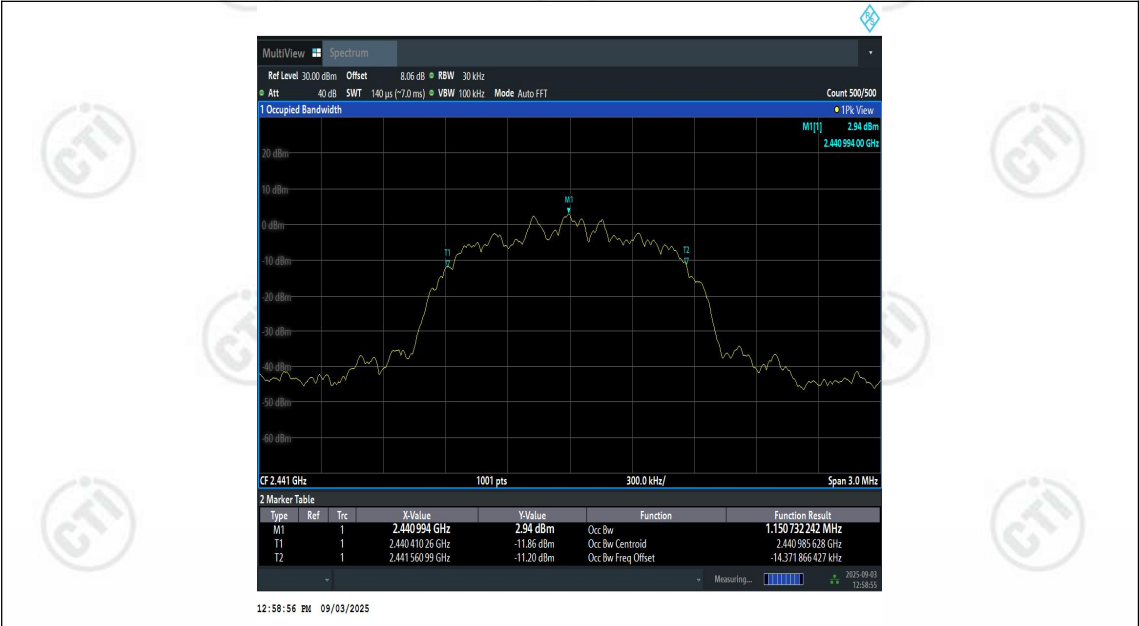




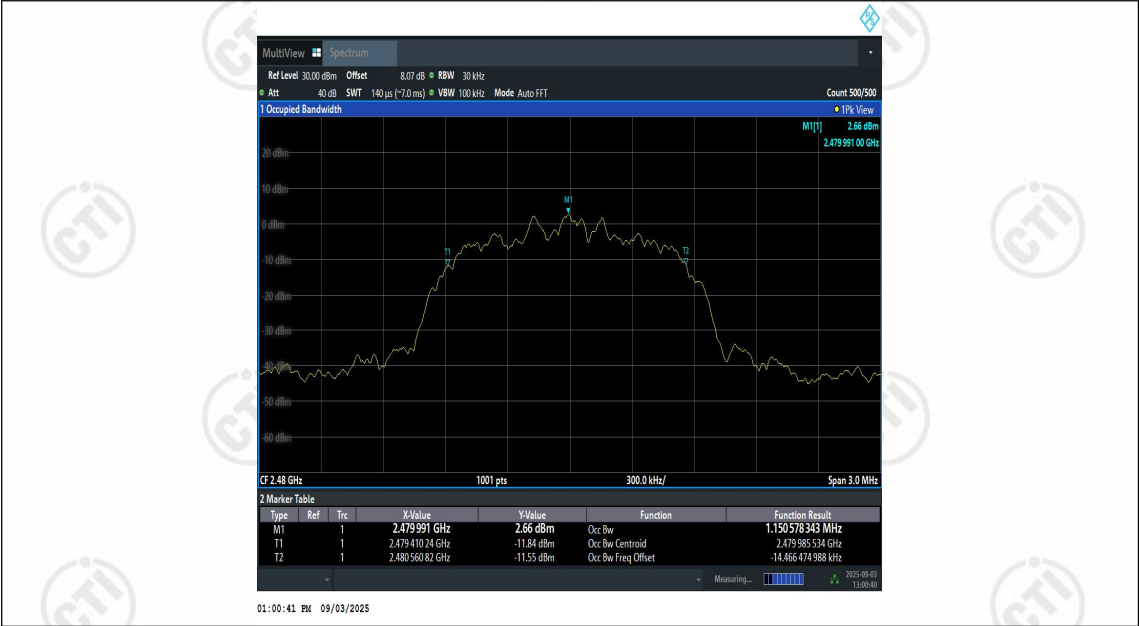
DH5-Ant1-2480



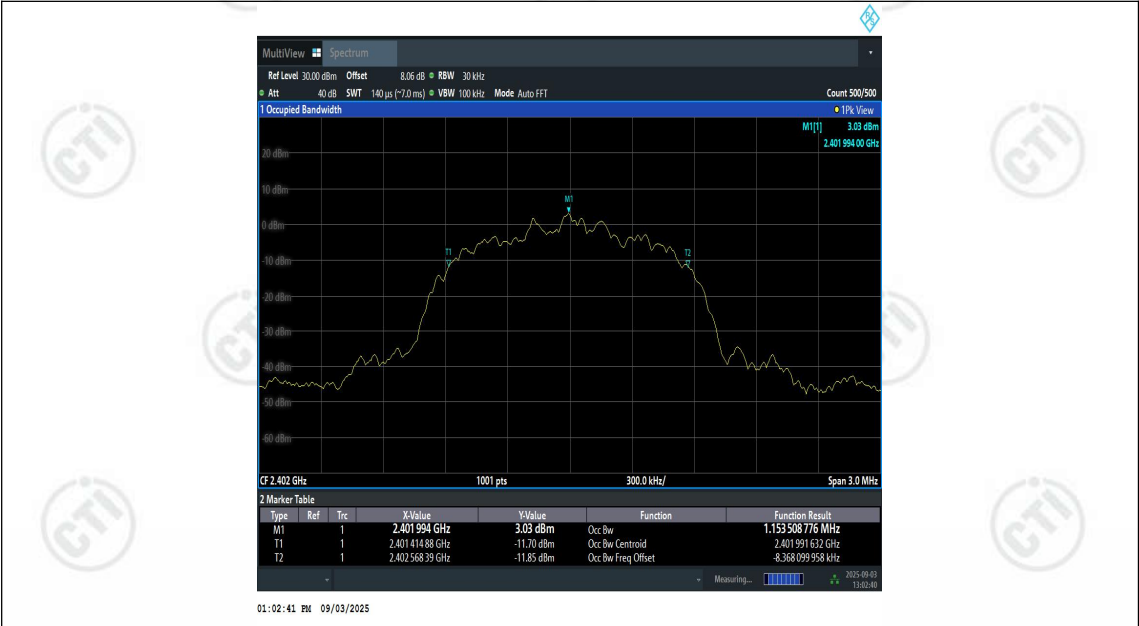
2DH5-Ant1-2402



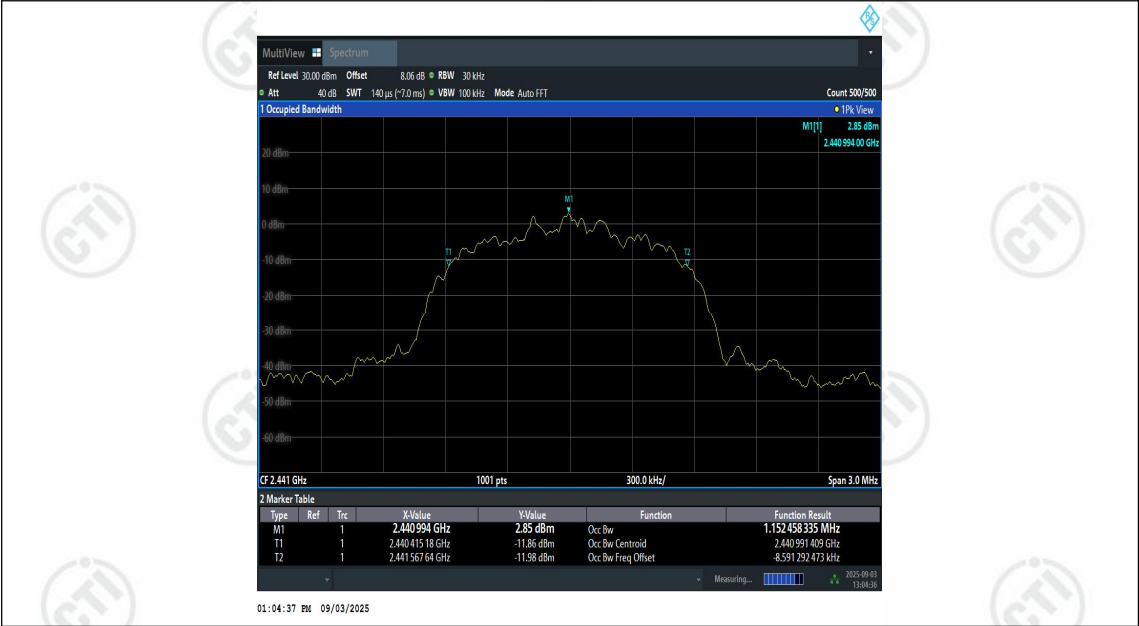
2DH5-Ant1-2441



2DH5-Ant1-2480



3DH5-Ant1-2402



3DH5-Ant1-2441

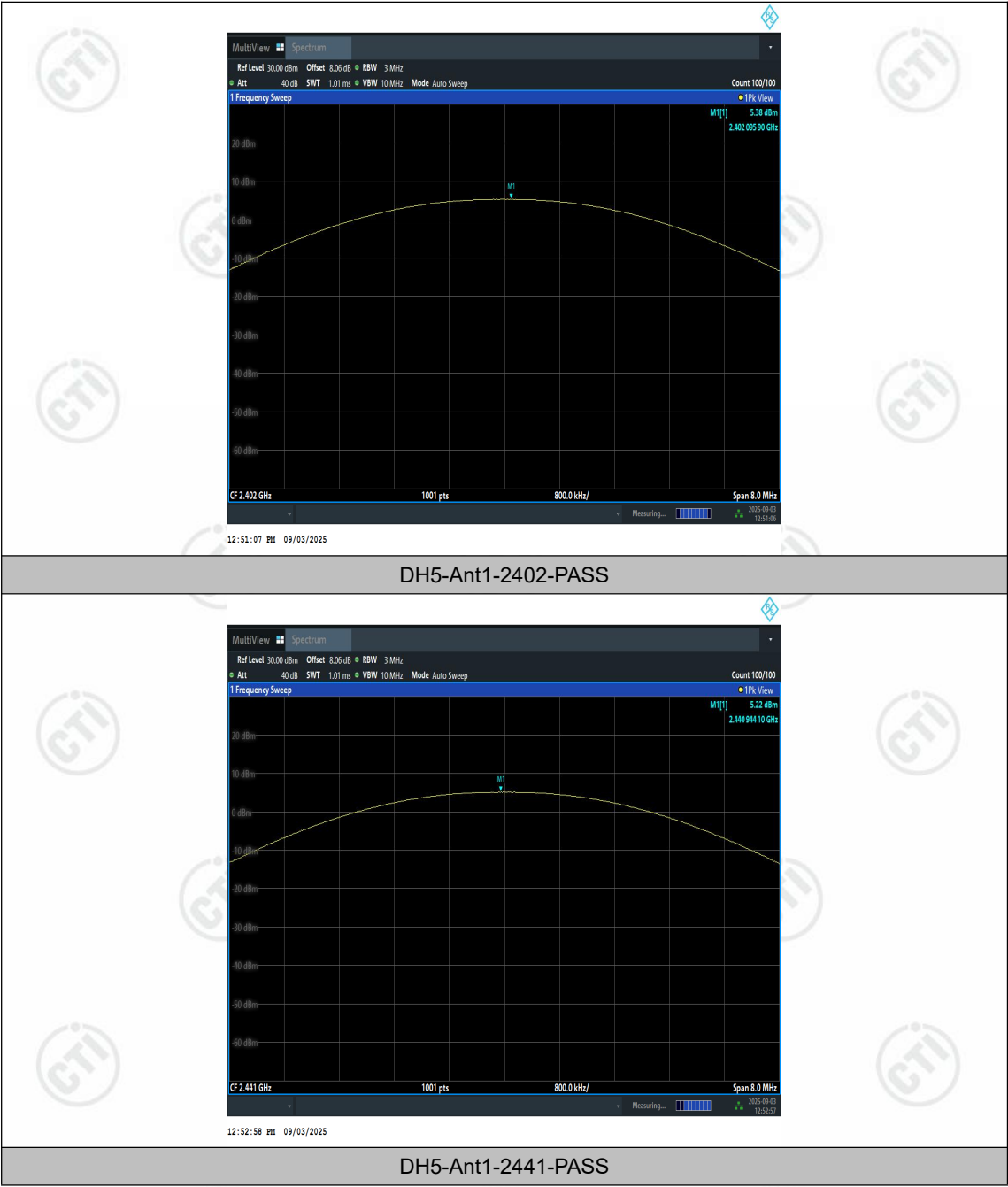


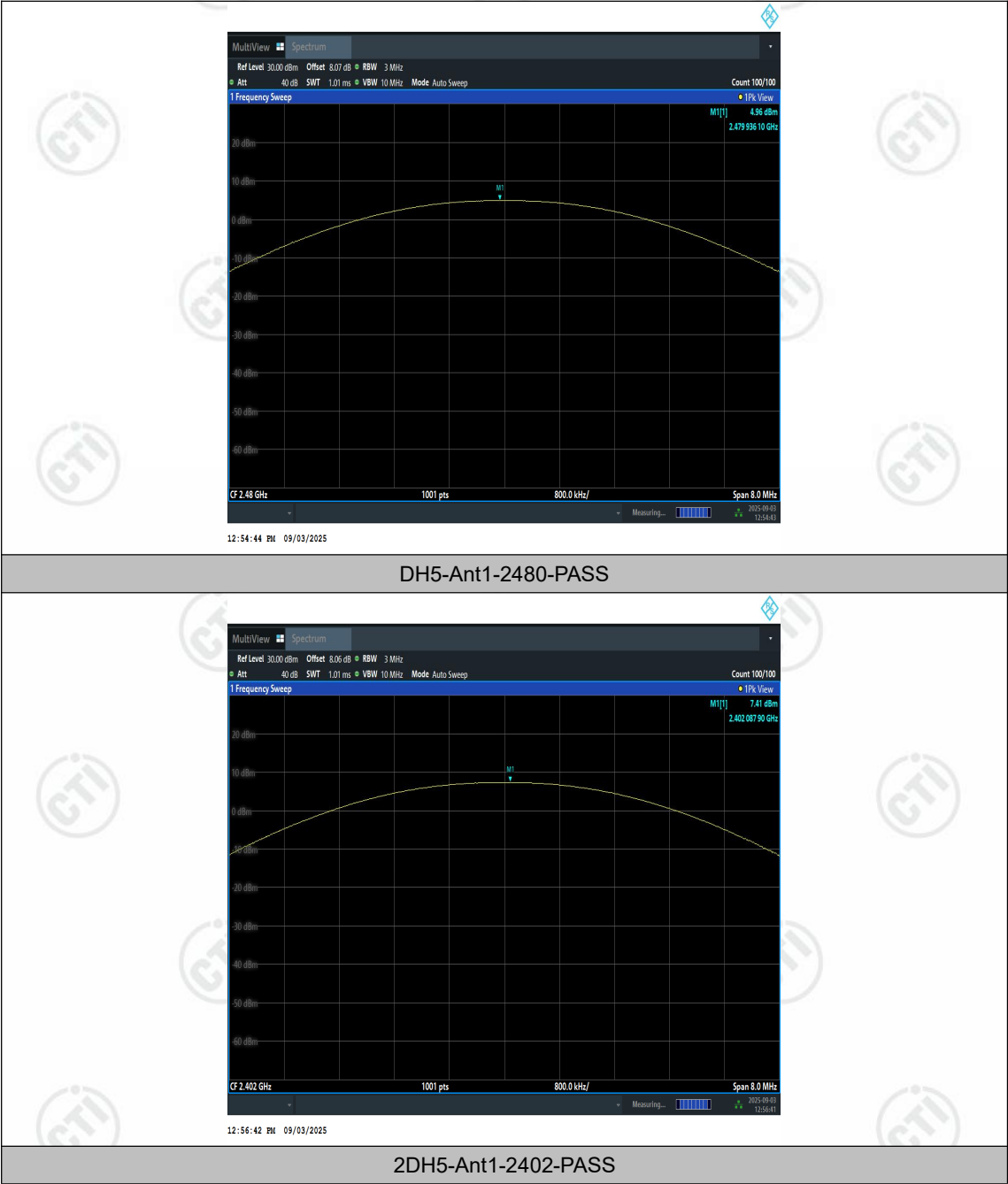
Appendix C: Maximum conducted output power

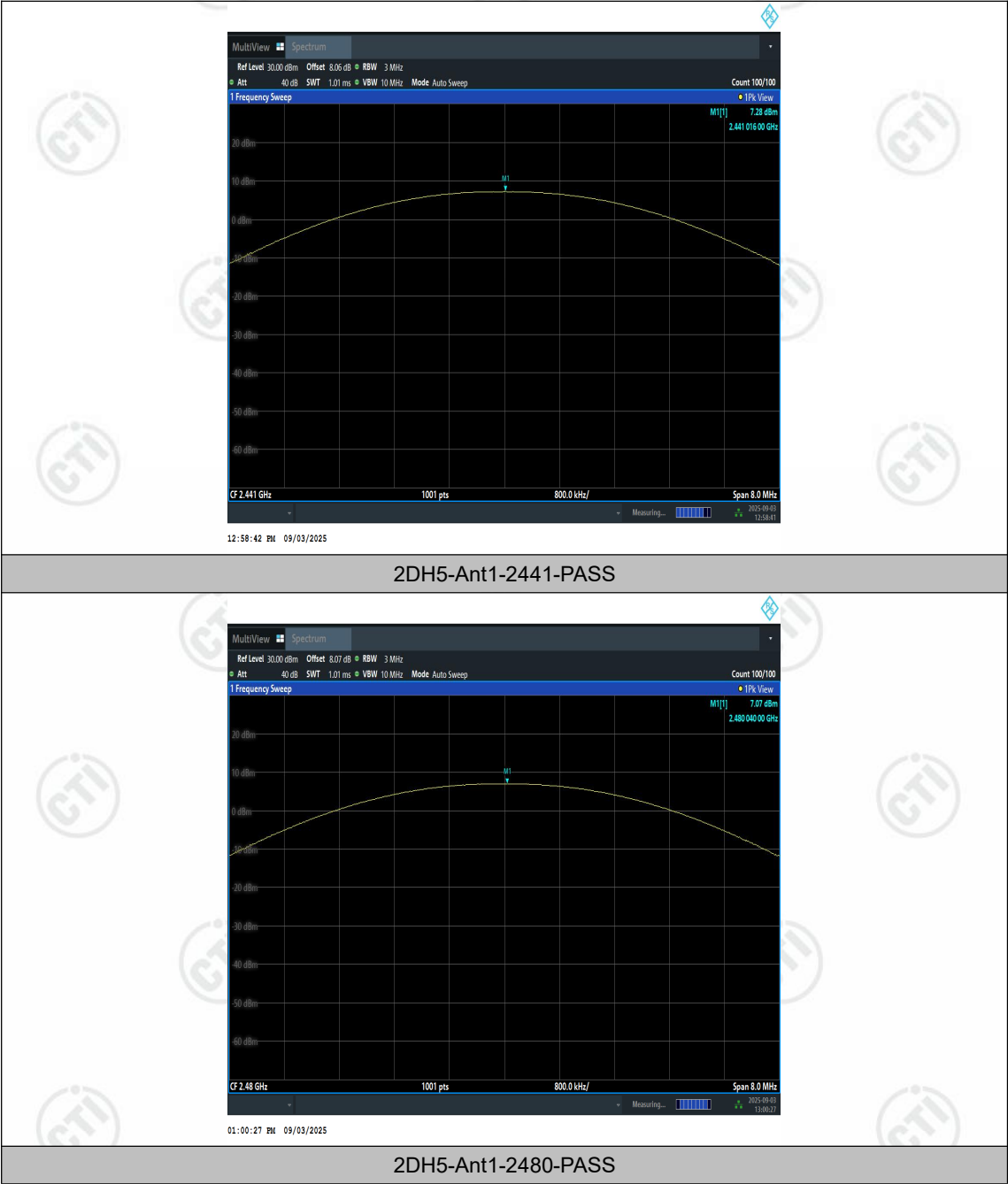
Test Result Peak

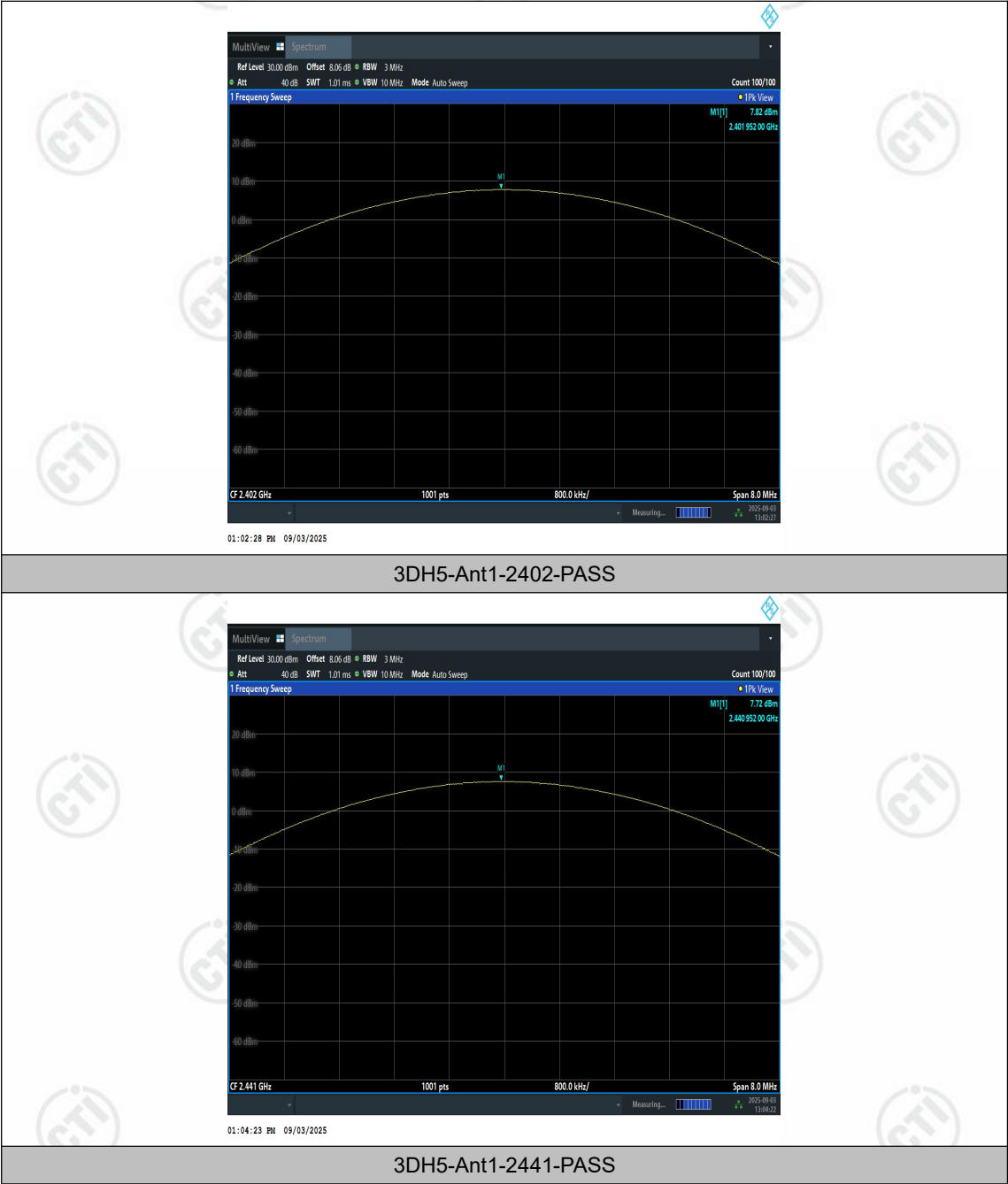
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	5.38	≤20.97	PASS
DH5	Ant1	2441	5.22	≤20.97	PASS
DH5	Ant1	2480	4.96	≤20.97	PASS
2DH5	Ant1	2402	7.41	≤20.97	PASS
2DH5	Ant1	2441	7.28	≤20.97	PASS
2DH5	Ant1	2480	7.07	≤20.97	PASS
3DH5	Ant1	2402	7.82	≤20.97	PASS
3DH5	Ant1	2441	7.72	≤20.97	PASS
3DH5	Ant1	2480	7.53	≤20.97	PASS

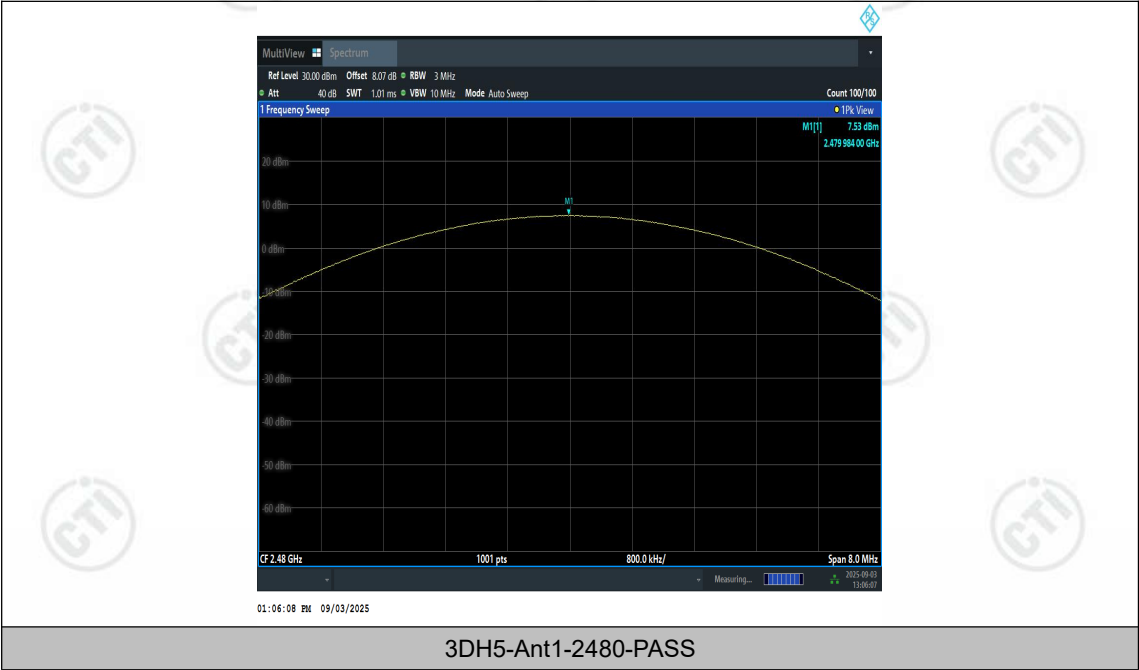
Test Graphs









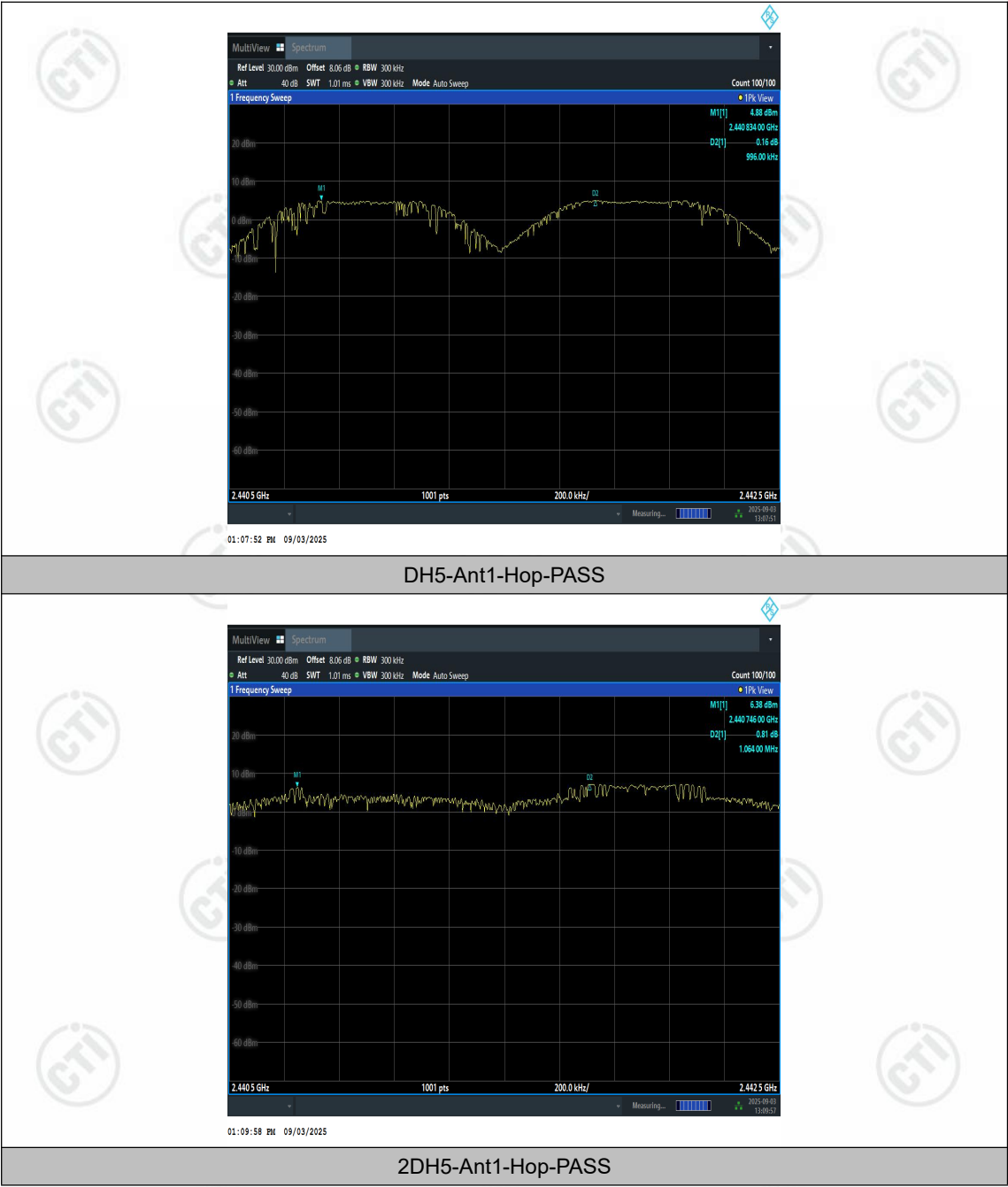


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.996	≥0.960	PASS
2DH5	Ant1	Hop	1.064	≥0.860	PASS
3DH5	Ant1	Hop	1.008	≥0.860	PASS

Test Graphs



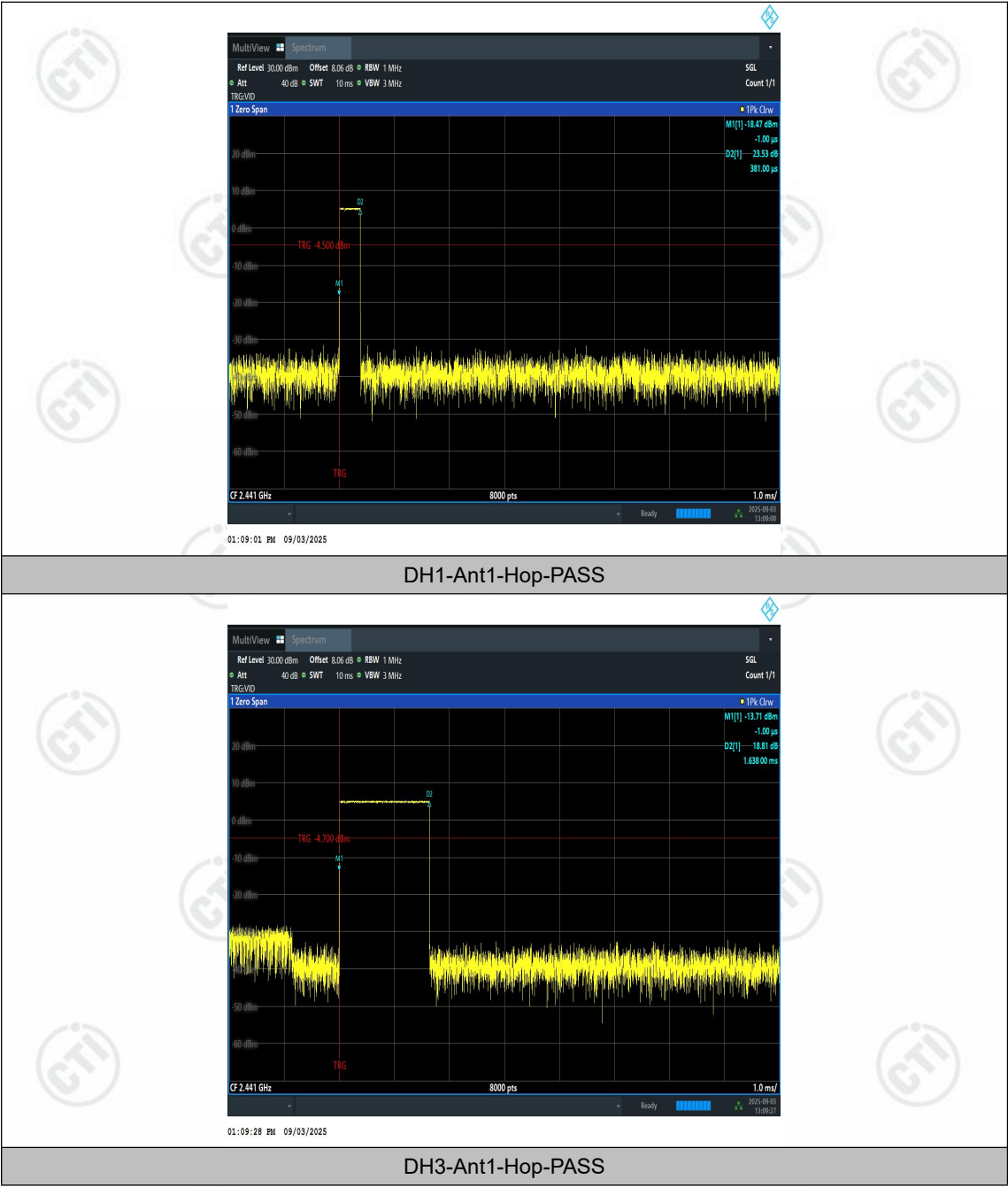


Appendix E: Time of occupancy

Test Result

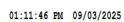
TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.381	320	0.122	≤0.4	PASS
DH3	Ant1	Hop	1.638	160	0.262	≤0.4	PASS
DH5	Ant1	Hop	2.885	106.67	0.308	≤0.4	PASS
2DH1	Ant1	Hop	0.390	320	0.125	≤0.4	PASS
2DH3	Ant1	Hop	1.641	160	0.263	≤0.4	PASS
2DH5	Ant1	Hop	2.890	106.67	0.308	≤0.4	PASS
3DH1	Ant1	Hop	0.390	320	0.125	≤0.4	PASS
3DH3	Ant1	Hop	1.641	160	0.263	≤0.4	PASS
3DH5	Ant1	Hop	2.893	106.67	0.309	≤0.4	PASS

Test Graphs





2DH1-Ant1-Hop-PASS

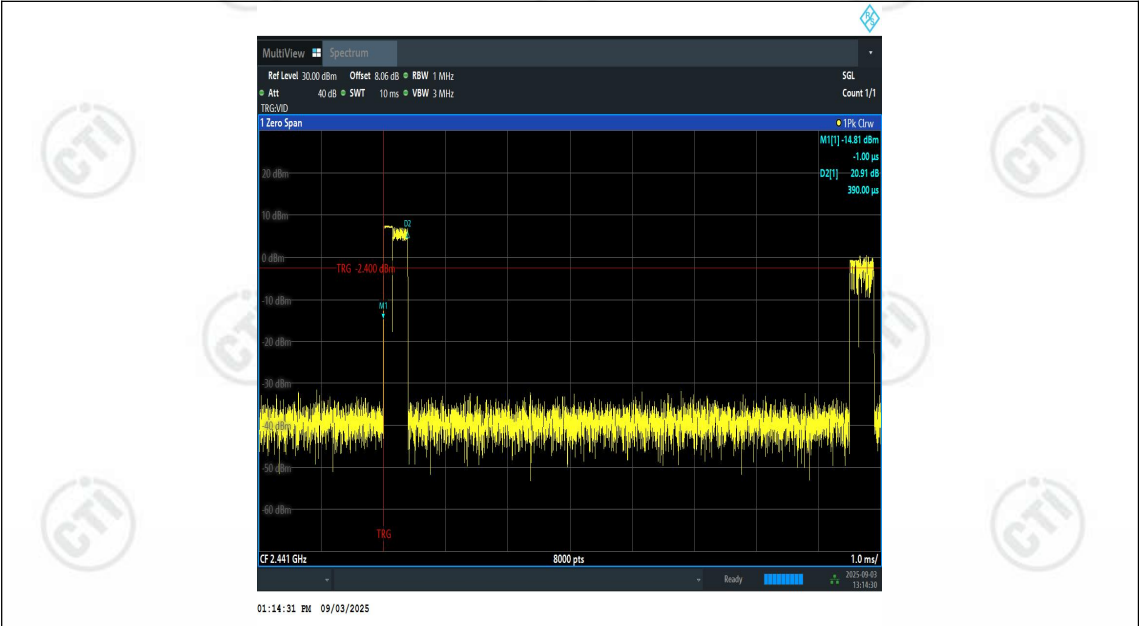




2DH3-Ant1-Hop-PASS



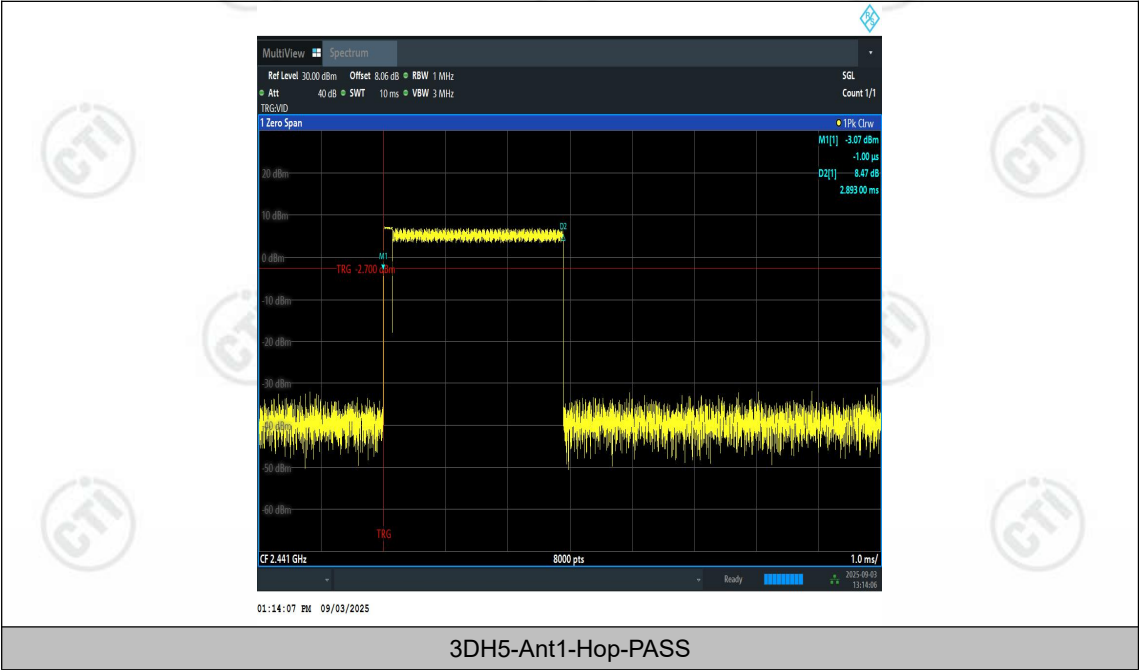
2DH5-Ant1-Hop-PASS



3DH1-Ant1-Hop-PASS



3DH3-Ant1-Hop-PASS



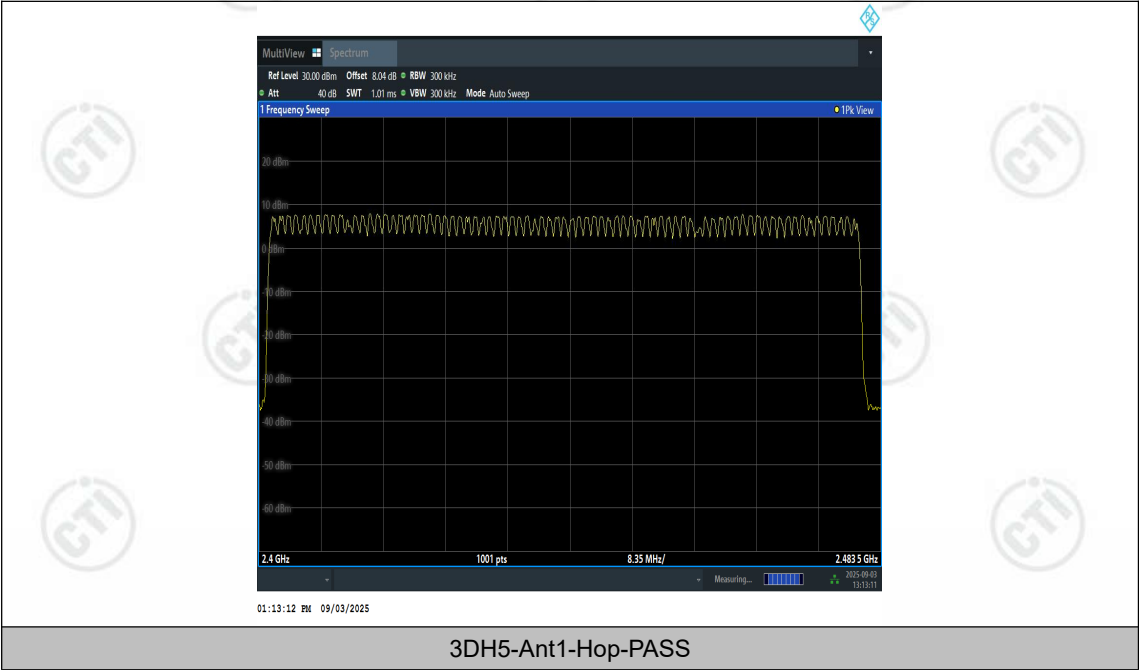
Appendix F: Number of hopping channels

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

Test Graphs





3DH5-Ant1-Hop-PASS

Appendix G: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	5.00	-47.21	≤-15	PASS
DH5	Ant1	High	2480	4.37	-50.16	≤-15.63	PASS
DH5	Ant1	Low	Hop_2402	4.29	-49.34	≤-15.71	PASS
DH5	Ant1	High	Hop_2480	3.98	-50.16	≤-16.02	PASS
2DH5	Ant1	Low	2402	7.06	-46.94	≤-12.94	PASS
2DH5	Ant1	High	2480	6.69	-49.67	≤-13.31	PASS
2DH5	Ant1	Low	Hop_2402	7.28	-48.2	≤-12.72	PASS
2DH5	Ant1	High	Hop_2480	6.93	-49.62	≤-13.07	PASS
3DH5	Ant1	Low	2402	7.05	-45.51	≤-12.95	PASS
3DH5	Ant1	High	2480	6.63	-49.95	≤-13.37	PASS
3DH5	Ant1	Low	Hop_2402	6.37	-46.72	≤-13.63	PASS
3DH5	Ant1	High	Hop_2480	6.97	-49.39	≤-13.03	PASS