

FCC Appendix RF Test Data for BT

FCC ID : 2BOHY-TR6R851P2C

Company : TRULY ELECTRONICS MFG., LTD

EUT : WIFI/BT Module+5G

Model Number : TR6R851P2-C

Report No. : CTA26070102802

Reviewed By : Eric Wang

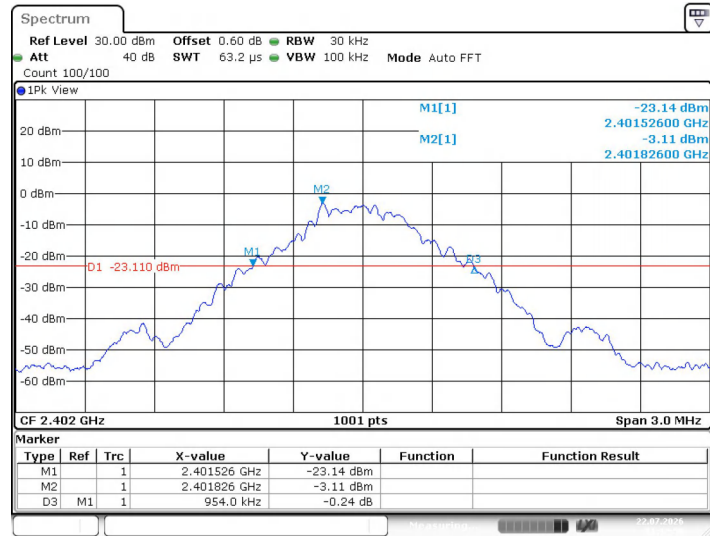
Appendix A: 20dB Emission Bandwidth

Test Result

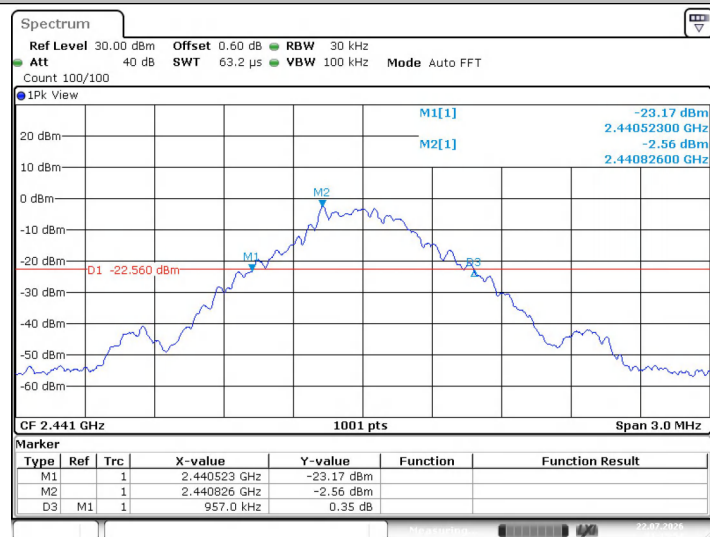
TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.95	2401.53	2402.48	---	---
		2441	0.96	2440.52	2441.48	---	---
		2480	0.96	2479.52	2480.48	---	---
2DH5	Ant1	2402	1.28	2401.36	2402.65	---	---
		2441	1.28	2440.36	2441.65	---	---
		2480	1.28	2479.36	2480.65	---	---
3DH5	Ant1	2402	1.29	2401.35	2402.64	---	---
		2441	1.29	2440.35	2441.63	---	---
		2480	1.29	2479.35	2480.64	---	---

Test Graphs

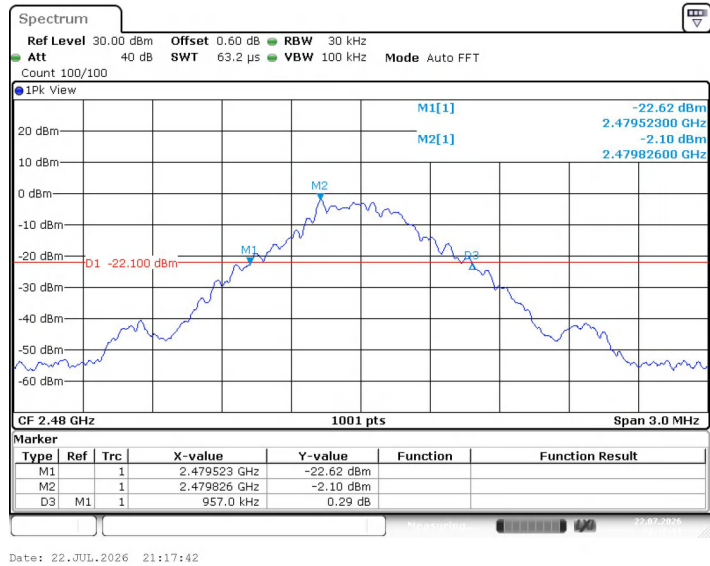
DH5_Ant1_2402



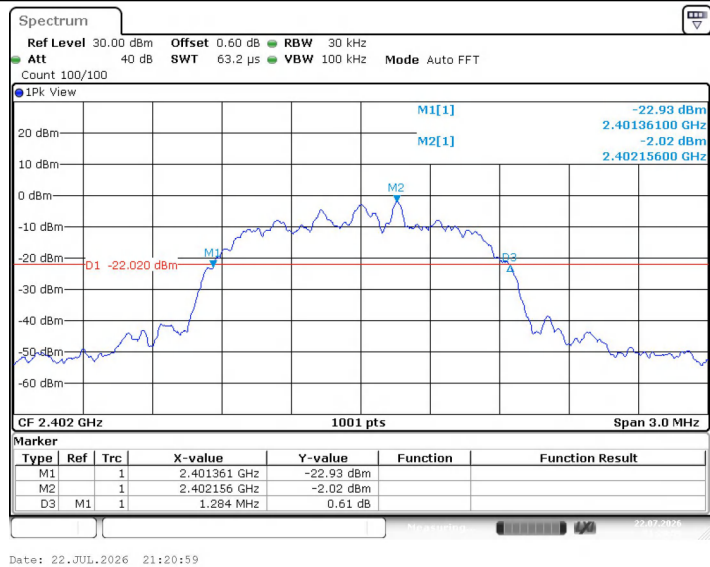
DH5_Ant1_2441



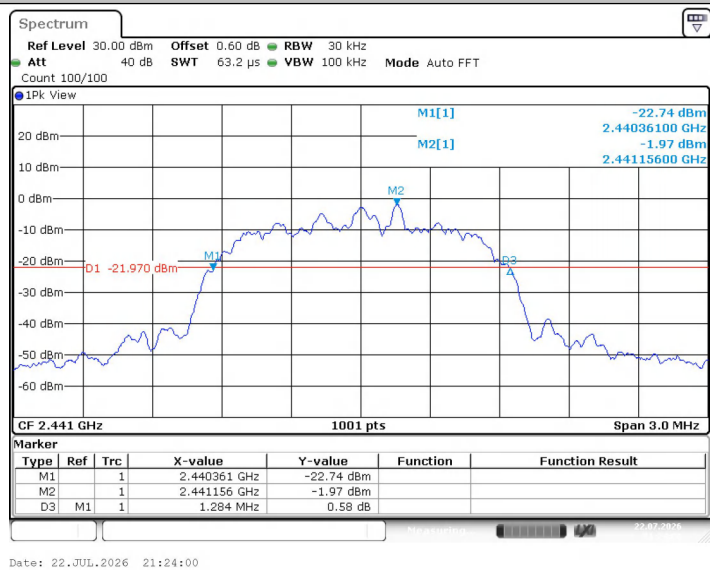
DH5_Ant1_2480



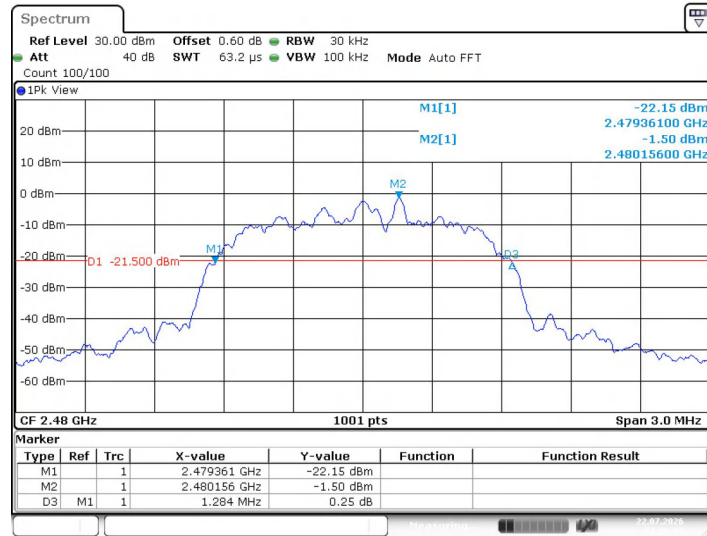
2DH5_Ant1_2402



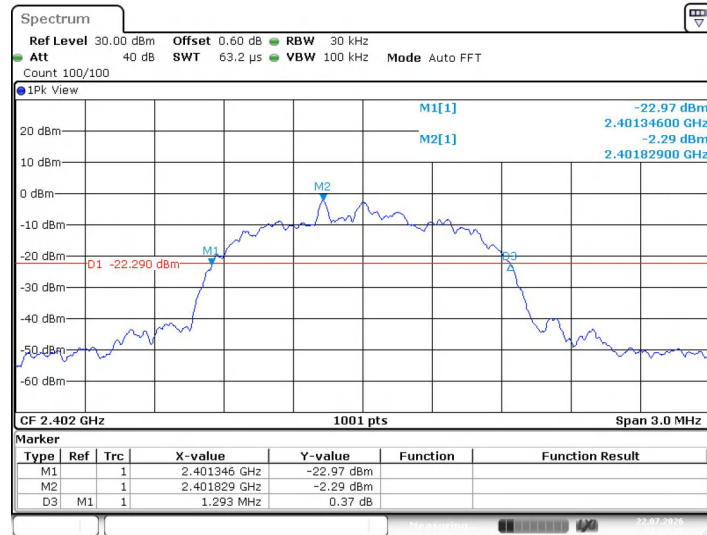
2DH5_Ant1_2441



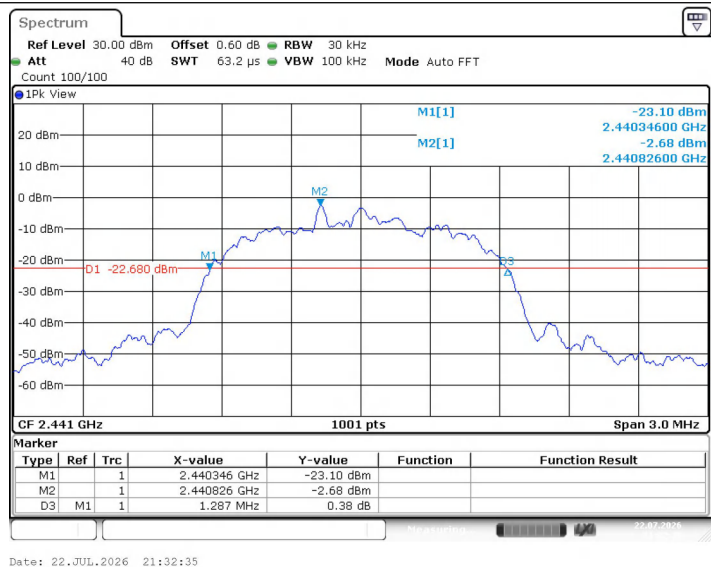
2DH5_Ant1_2480



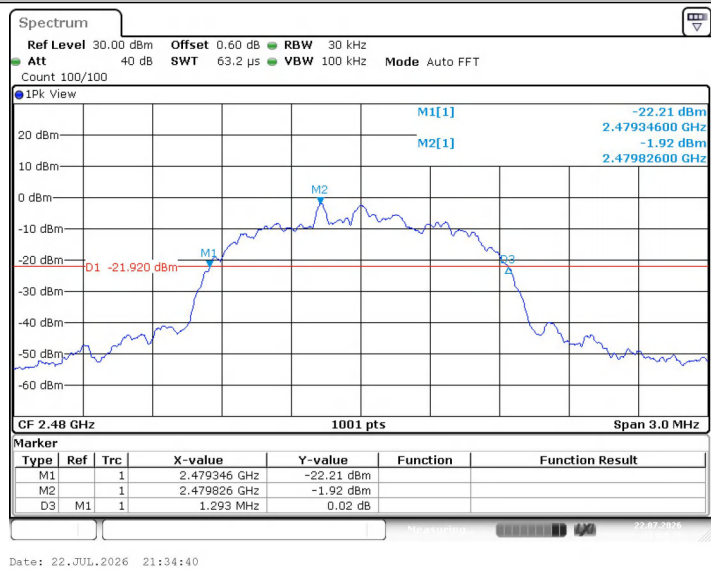
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



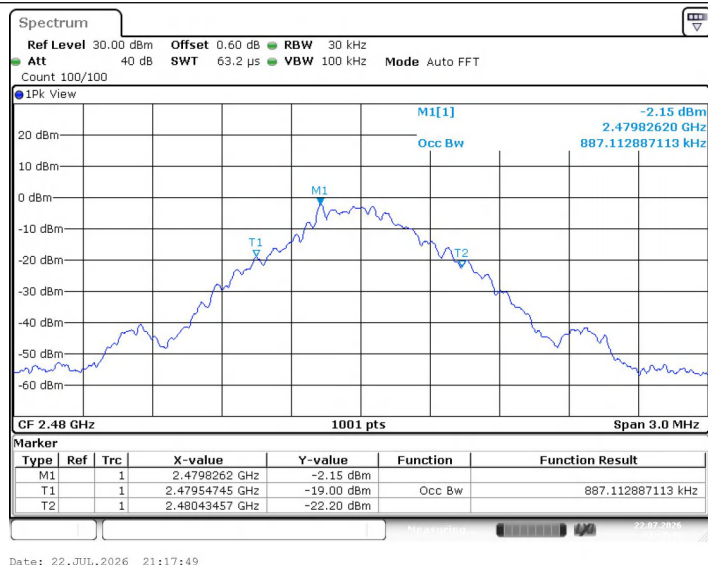
Appendix B: Occupied Channel Bandwidth

Test Result

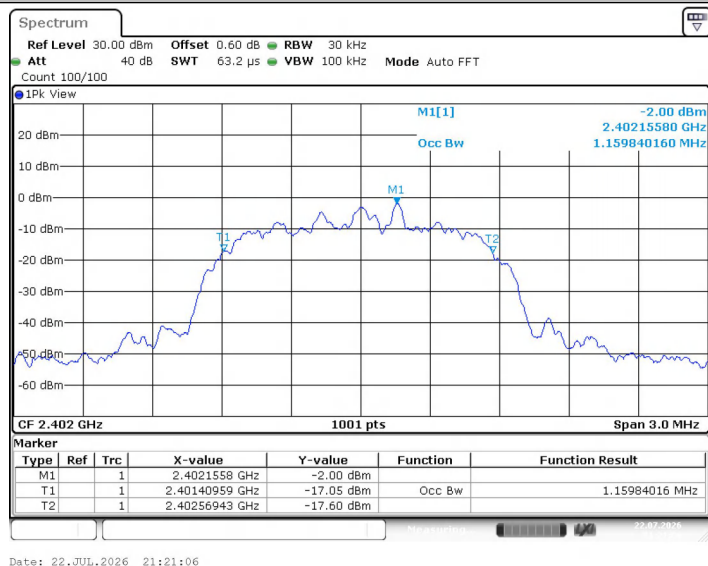
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87812	2401.5534	2402.4316	---	---
		2441	0.88112	2440.5504	2441.4316	---	---
		2480	0.88711	2479.5475	2480.4346	---	---
2DH5	Ant1	2402	1.1598	2401.4096	2402.5694	---	---
		2441	1.1598	2440.4096	2441.5694	---	---
		2480	1.1658	2479.4066	2480.5724	---	---
3DH5	Ant1	2402	1.1748	2401.4066	2402.5814	---	---
		2441	1.1658	2440.4096	2441.5754	---	---
		2480	1.1628	2479.4126	2480.5754	---	---

Test Graphs

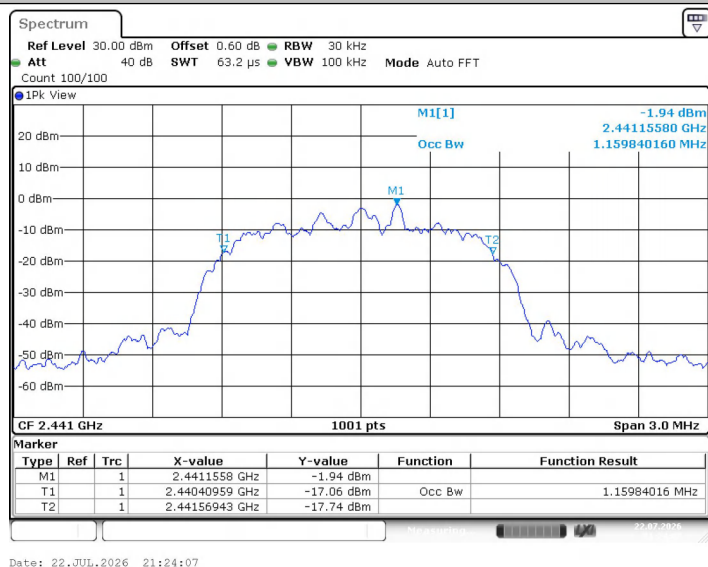




2DH5_Ant1_2402



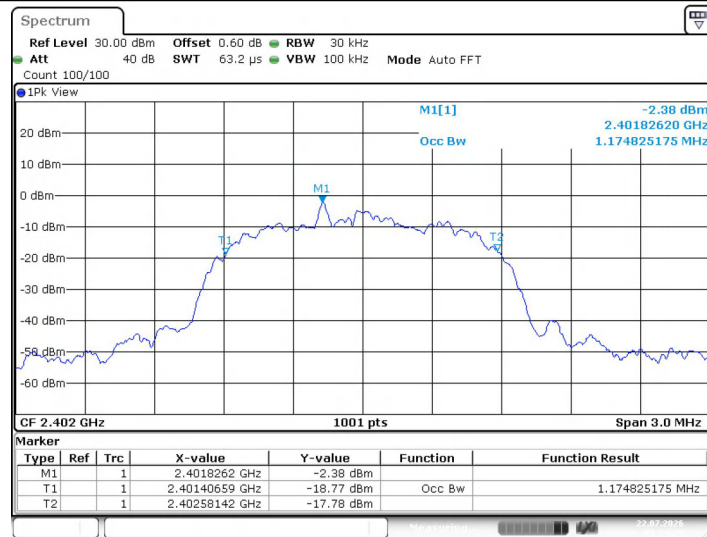
2DH5_Ant1_2441



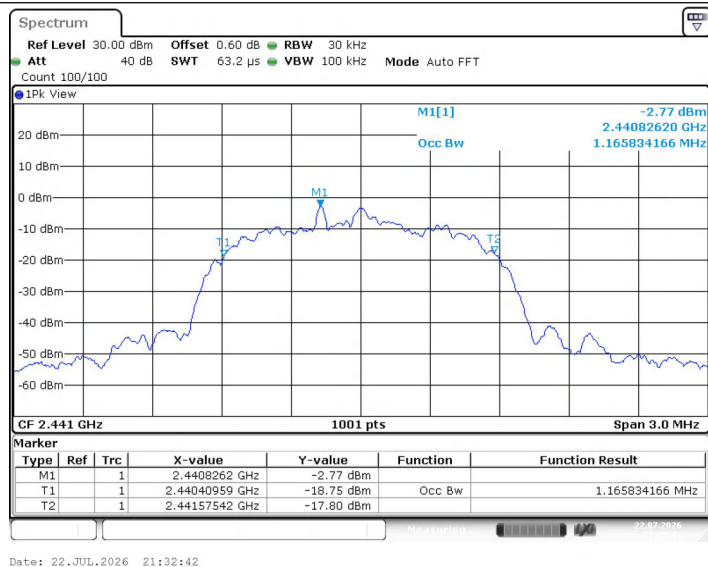
2DH5_Ant1_2480



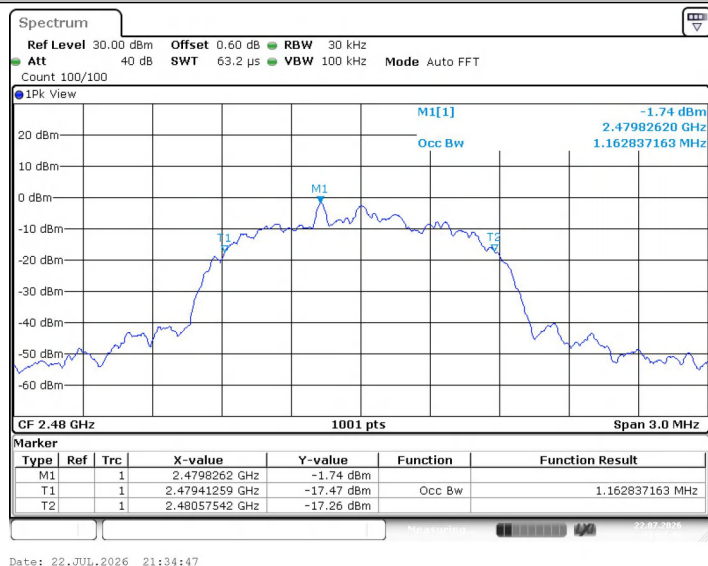
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



Appendix C: Maximum conducted output power

Test Result Peak

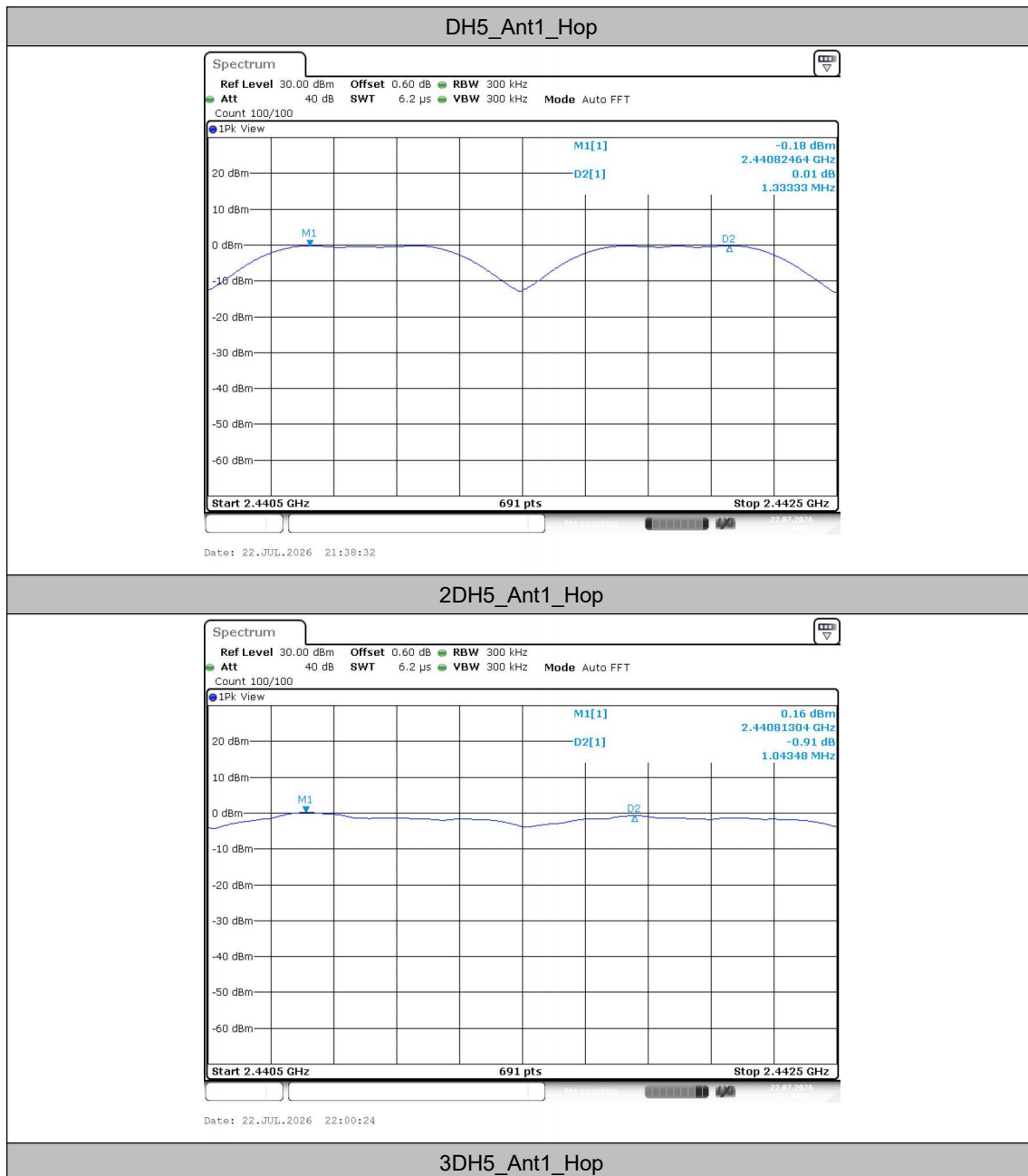
Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-0.67	≤20.97	PASS
		2441	-0.11	≤20.97	PASS
		2480	0.33	≤20.97	PASS
2DH5	Ant1	2402	1.40	≤20.97	PASS
		2441	1.55	≤20.97	PASS
		2480	2.07	≤20.97	PASS
3DH5	Ant1	2402	2.09	≤20.97	PASS
		2441	1.67	≤20.97	PASS
		2480	2.45	≤20.97	PASS

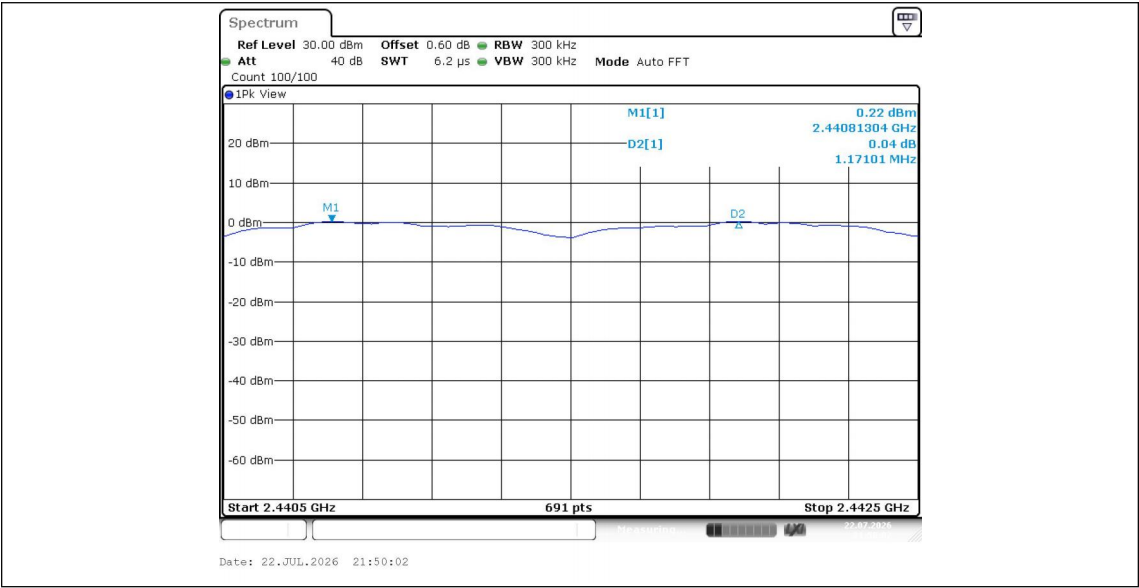
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.333	≥ 0.960	PASS
2DH5	Ant1	Hop	1.043	≥ 0.853	PASS
3DH5	Ant1	Hop	1.171	≥ 0.860	PASS

Test Graphs



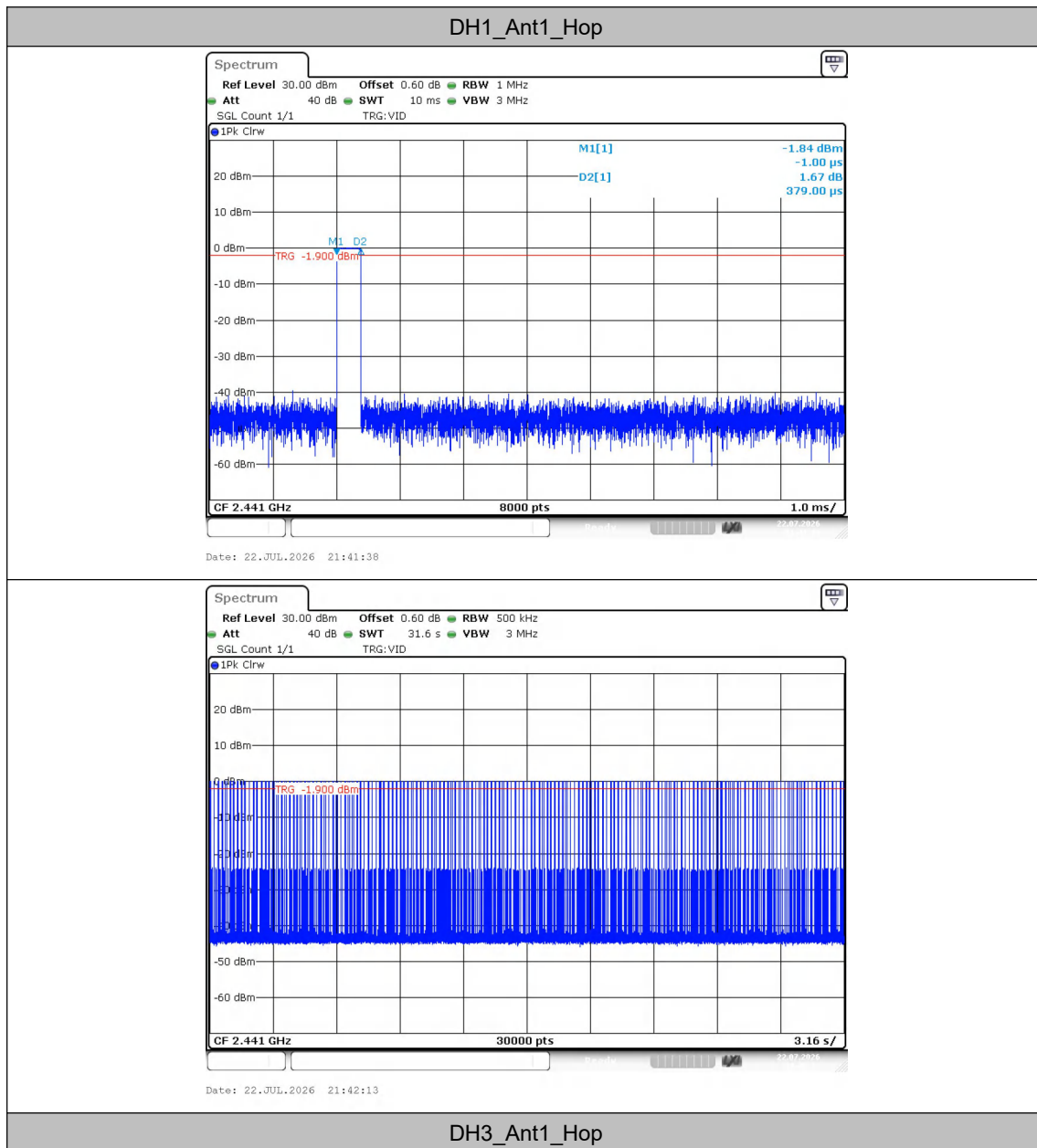


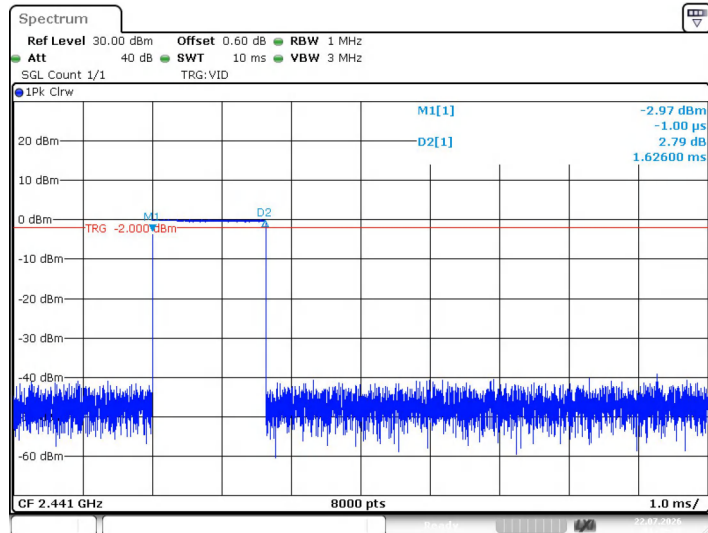
Appendix E: Time of occupancy

Test Result

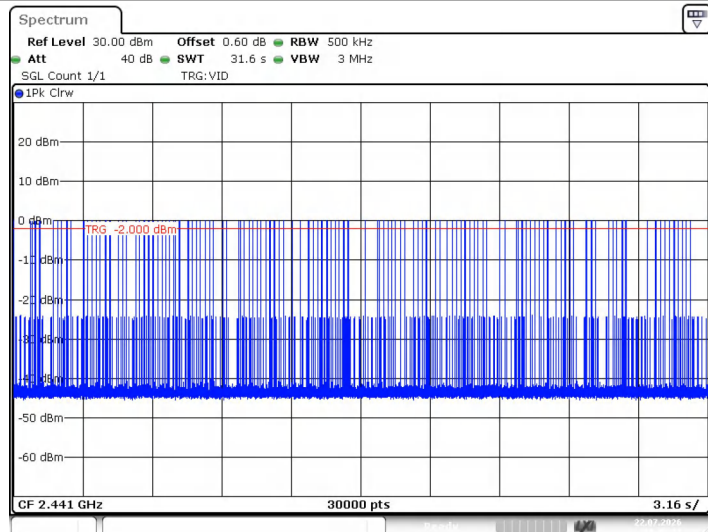
TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.379	319	0.121	≤0.4	PASS
DH3	Ant1	Hop	1.626	164	0.267	≤0.4	PASS
DH5	Ant1	Hop	2.868	111	0.318	≤0.4	PASS
2DH1	Ant1	Hop	0.388	318	0.123	≤0.4	PASS
2DH3	Ant1	Hop	1.633	154	0.251	≤0.4	PASS
2DH5	Ant1	Hop	2.873	110	0.316	≤0.4	PASS
3DH1	Ant1	Hop	0.388	318	0.123	≤0.4	PASS
3DH3	Ant1	Hop	1.631	164	0.267	≤0.4	PASS
3DH5	Ant1	Hop	2.875	110	0.316	≤0.4	PASS

Test Graphs



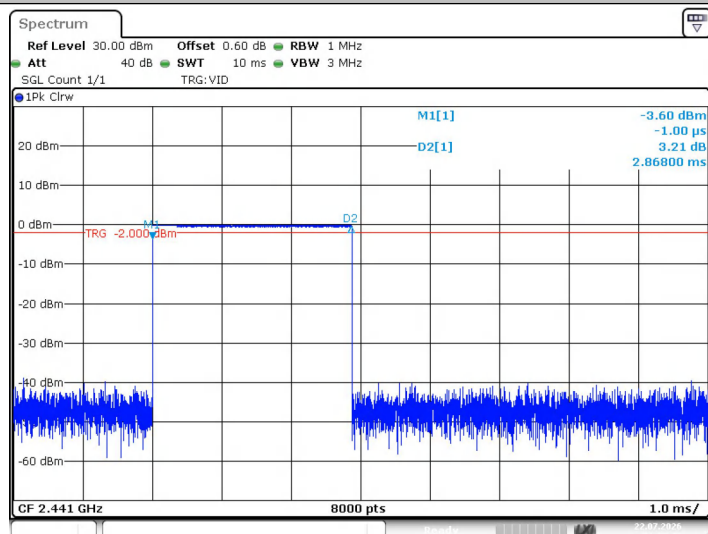


Date: 22.JUL.2026 21:42:37

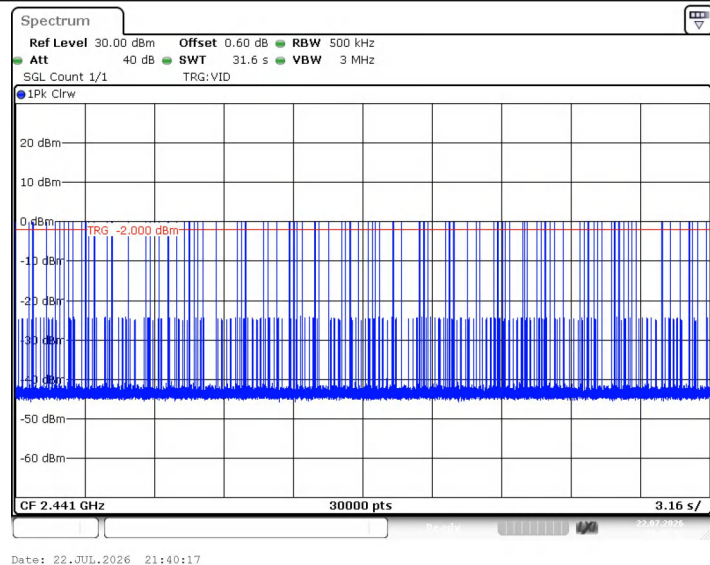


Date: 22.JUL.2026 21:43:11

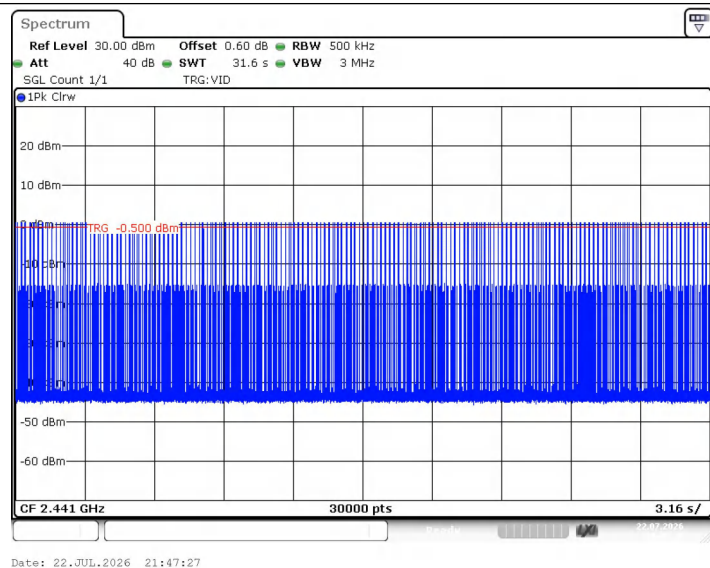
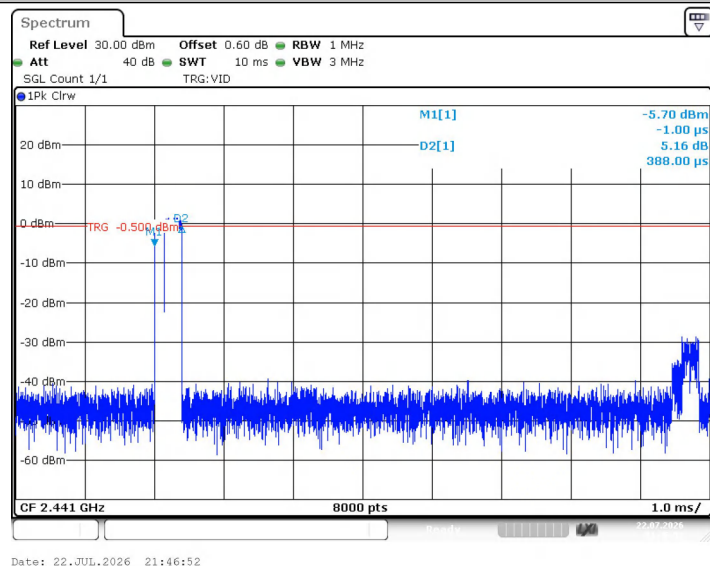
DH5_Ant1_Hop



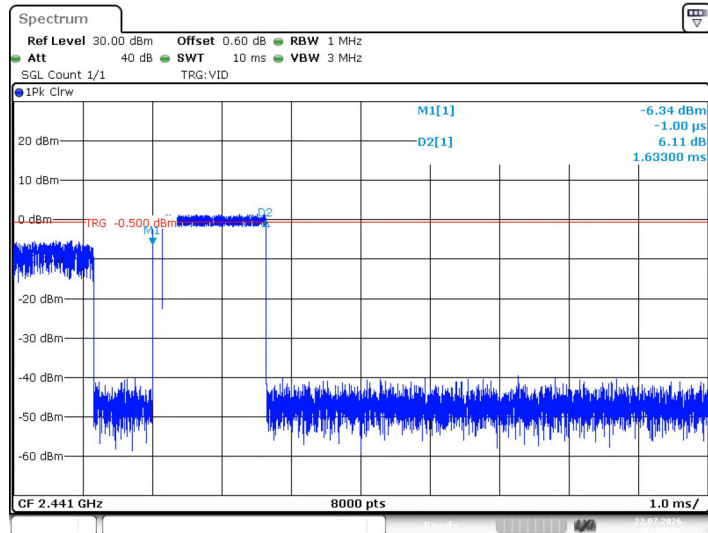
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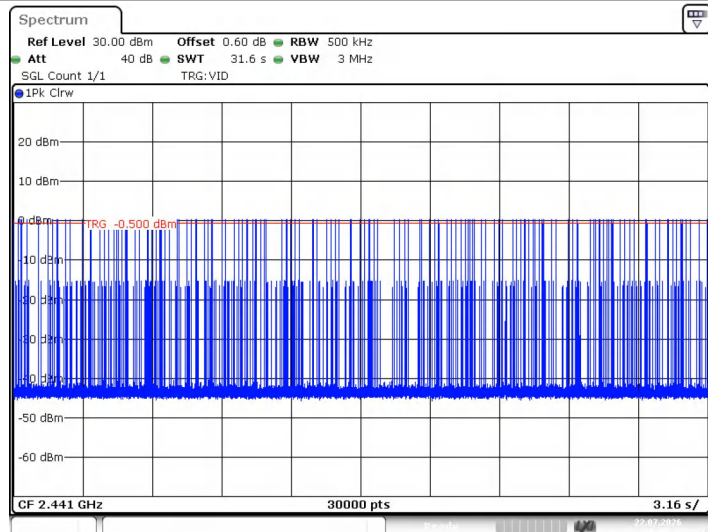
2DH1_Ant1_Hop



2DH3_Ant1_Hop

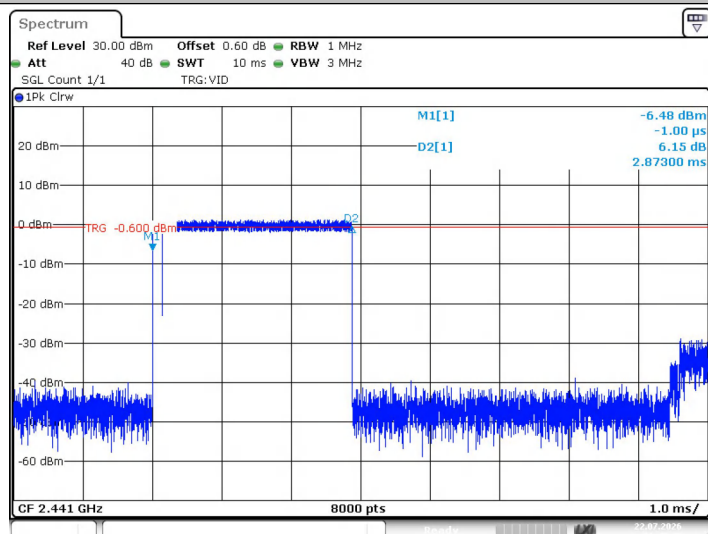


Date: 22.JUL.2026 21:47:54

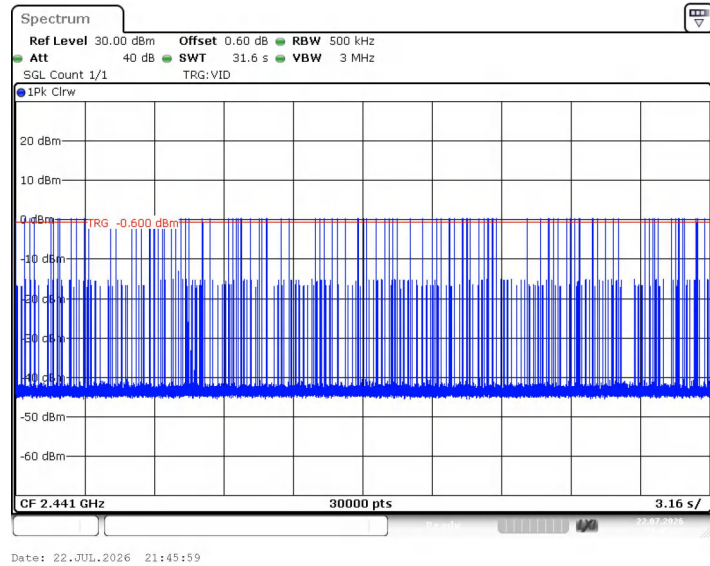


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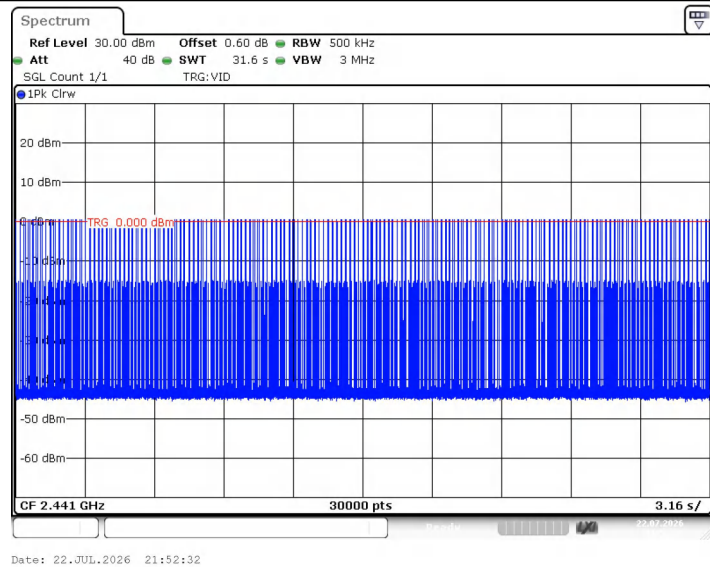
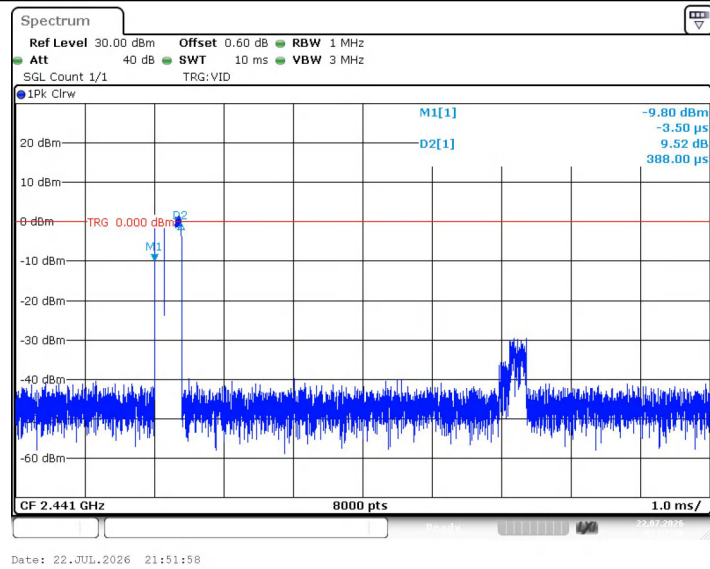
2DH5_Ant1_Hop



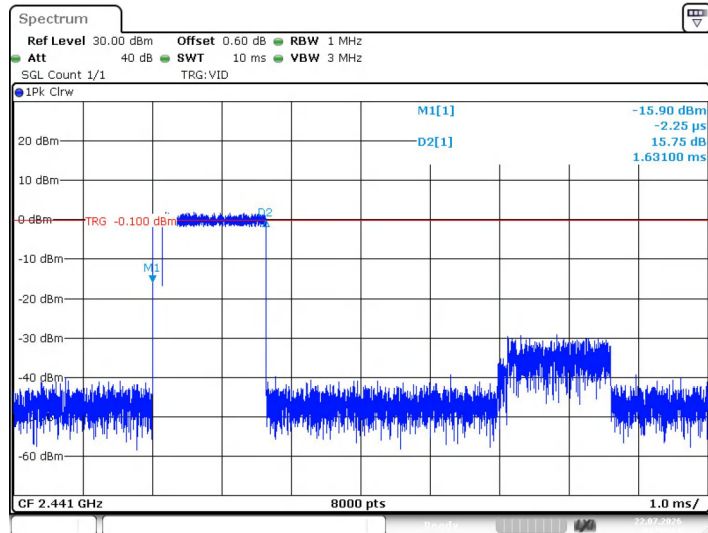
Date: 22.JUL.2026 21:45:25



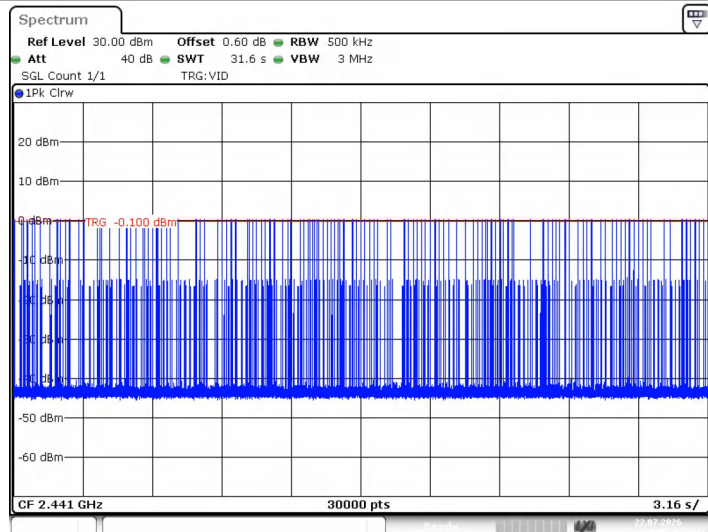
3DH1_Ant1_Hop



3DH3_Ant1_Hop

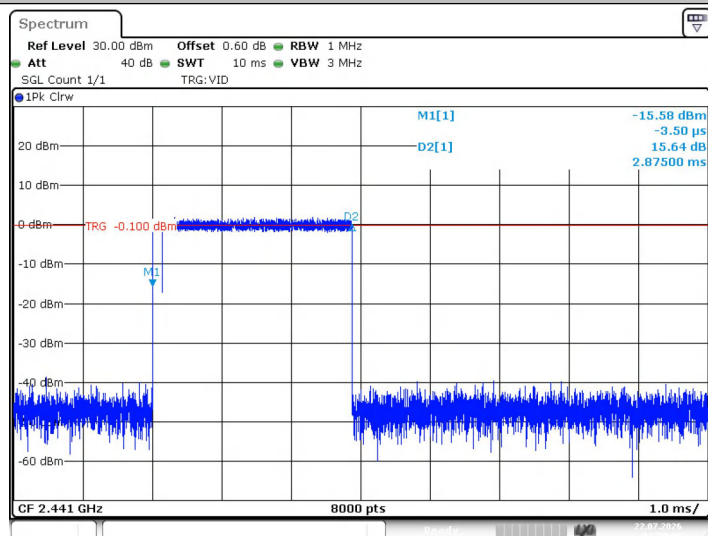


Date: 22.JUL.2026 21:53:04

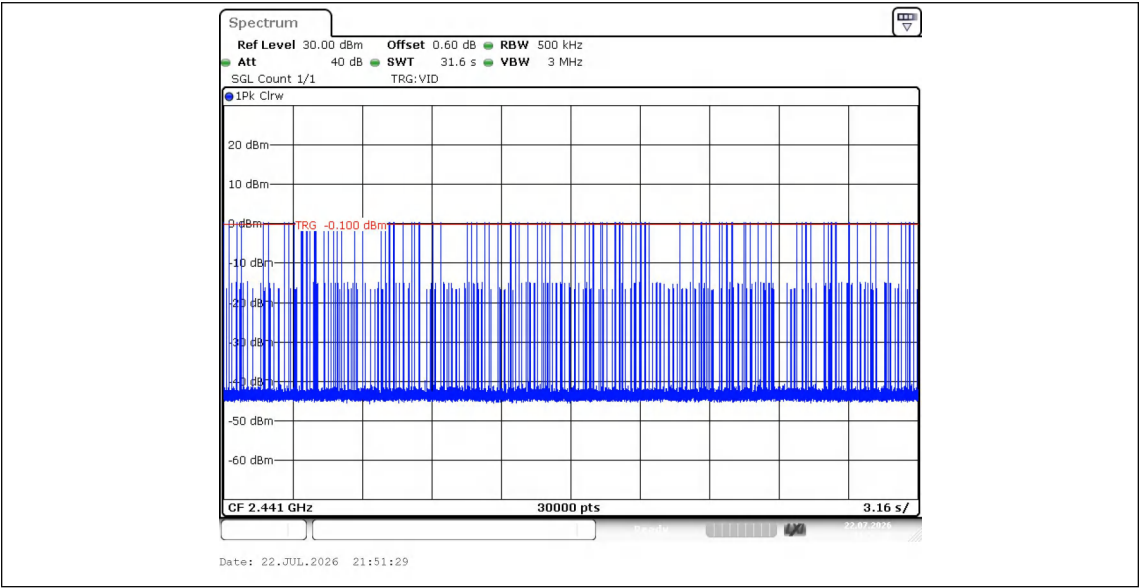


Date: 22.JUL.2026 21:53:38

3DH5_Ant1_Hop



Date: 22.JUL.2026 21:50:54

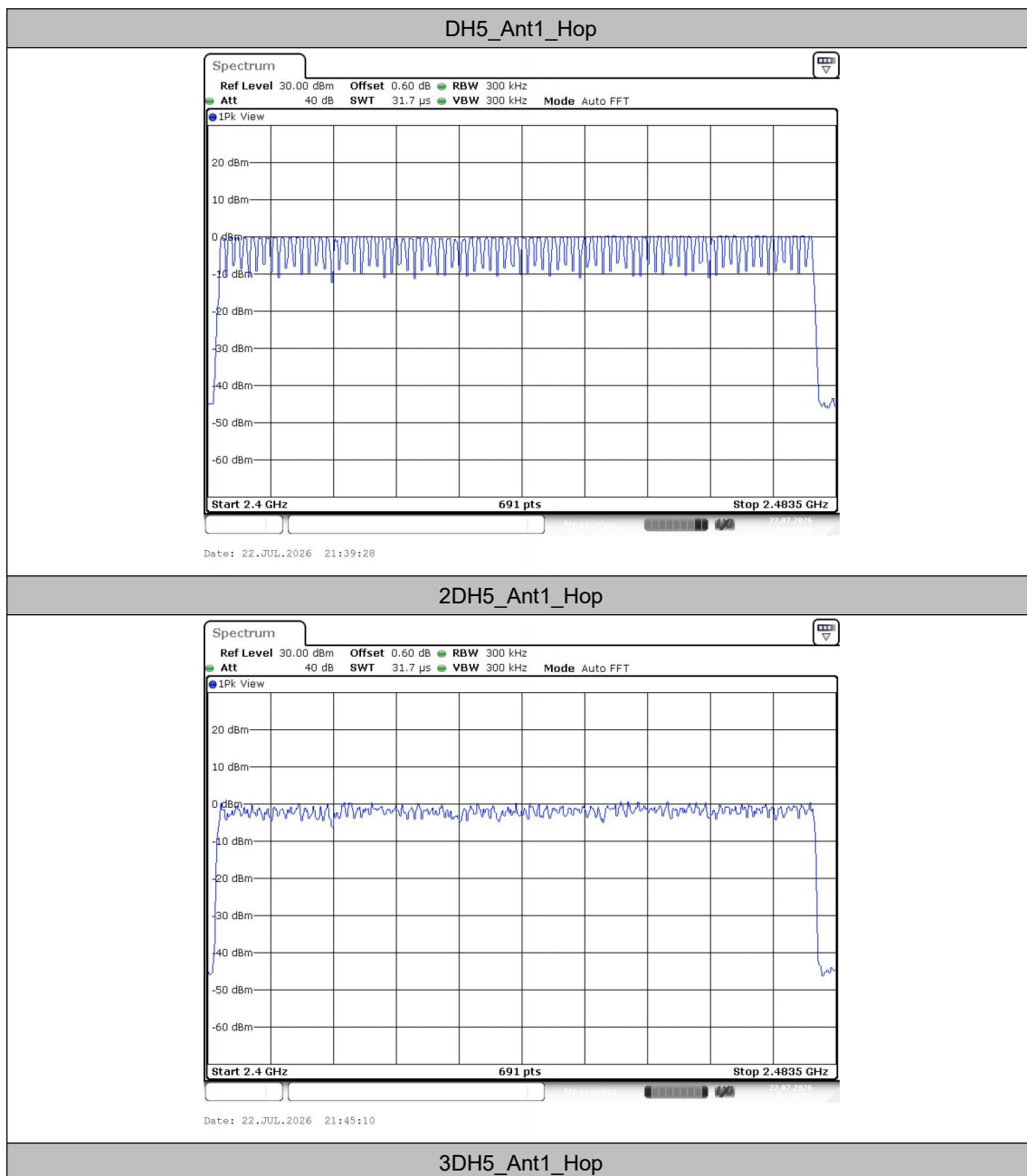


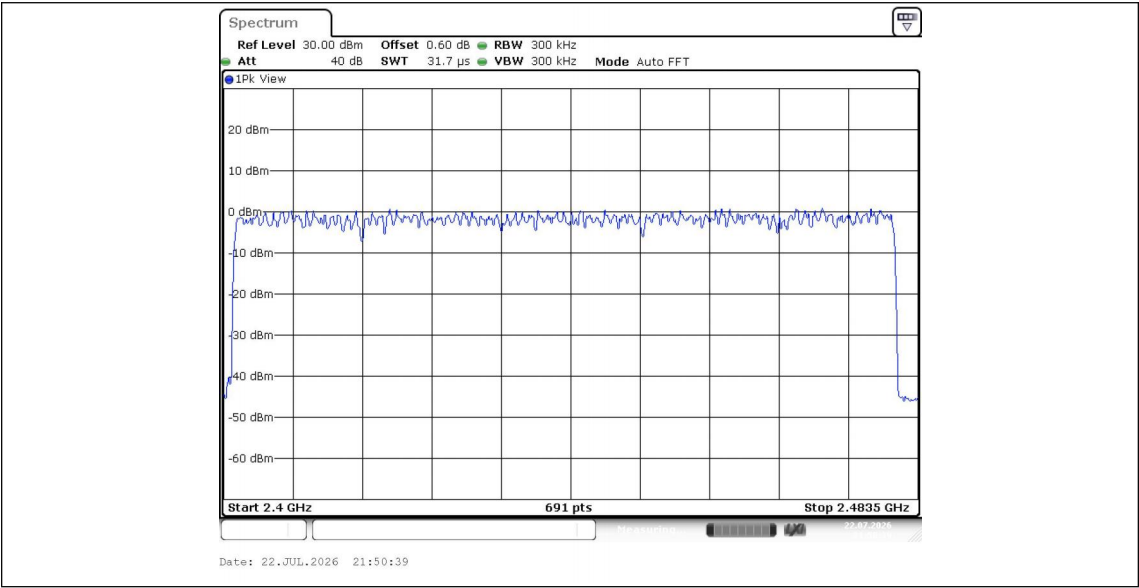
Appendix F: Number of hopping channels

Test Result

TestMode	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





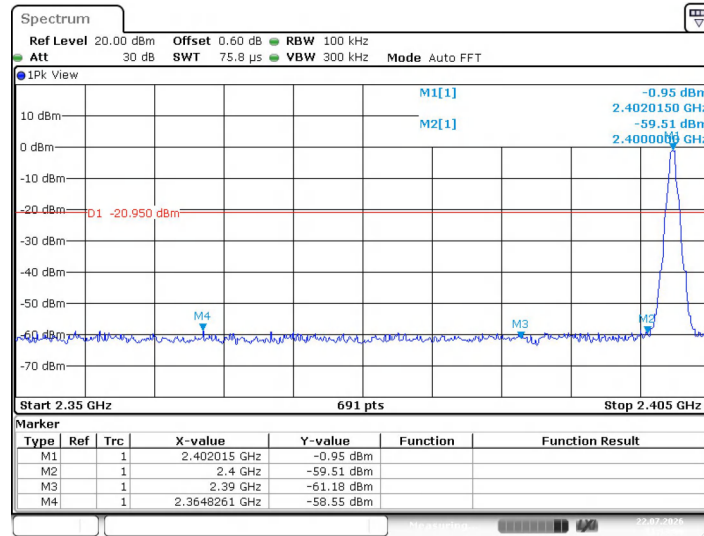
Appendix G: Band edge measurements

Test Result

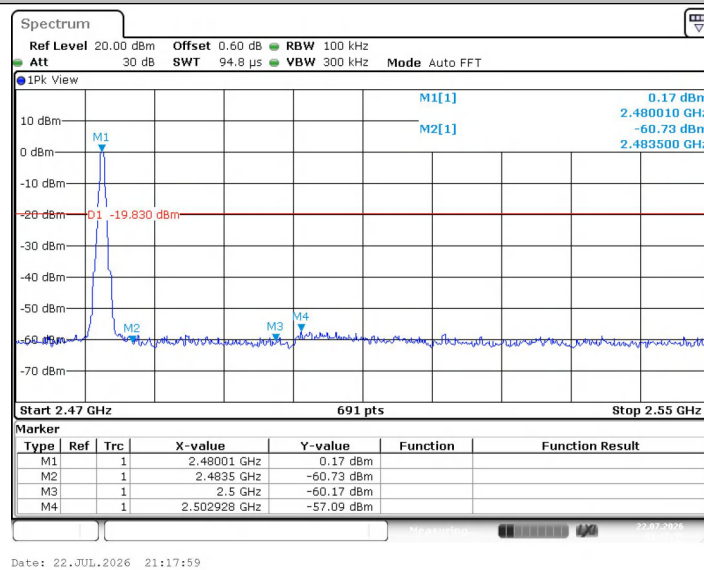
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.95	-58.55	≤-20.95	PASS
		High	2480	0.17	-57.09	≤-19.83	PASS
		Low	Hop_2402	-1.05	-58.24	≤-21.05	PASS
		High	Hop_2480	0.42	-56.88	≤-19.58	PASS
2DH5	Ant1	Low	2402	-0.40	-57.62	≤-20.4	PASS
		High	2480	0.64	-57.23	≤-19.36	PASS
		Low	Hop_2402	-1.90	-57.84	≤-21.9	PASS
		High	Hop_2480	-0.24	-56.15	≤-20.24	PASS
3DH5	Ant1	Low	2402	0.09	-57.52	≤-19.91	PASS
		High	2480	0.64	-56.8	≤-19.36	PASS
		Low	Hop_2402	-4.50	-58.59	≤-24.5	PASS
		High	Hop_2480	0.69	-55.26	≤-19.31	PASS

Test Graphs

DH5_Ant1_Low_2402



DH5_Ant1_High_2480



DH5_Ant1_Low_Hop_2402