

Appendix RF Test Data for BT

FCC ID : 2BRSK-J02

Company : Fujian Jingxin Micro Technology Co., Ltd

EUT : Smart watch

Model Number : J02

Report No. : CTA25073001002

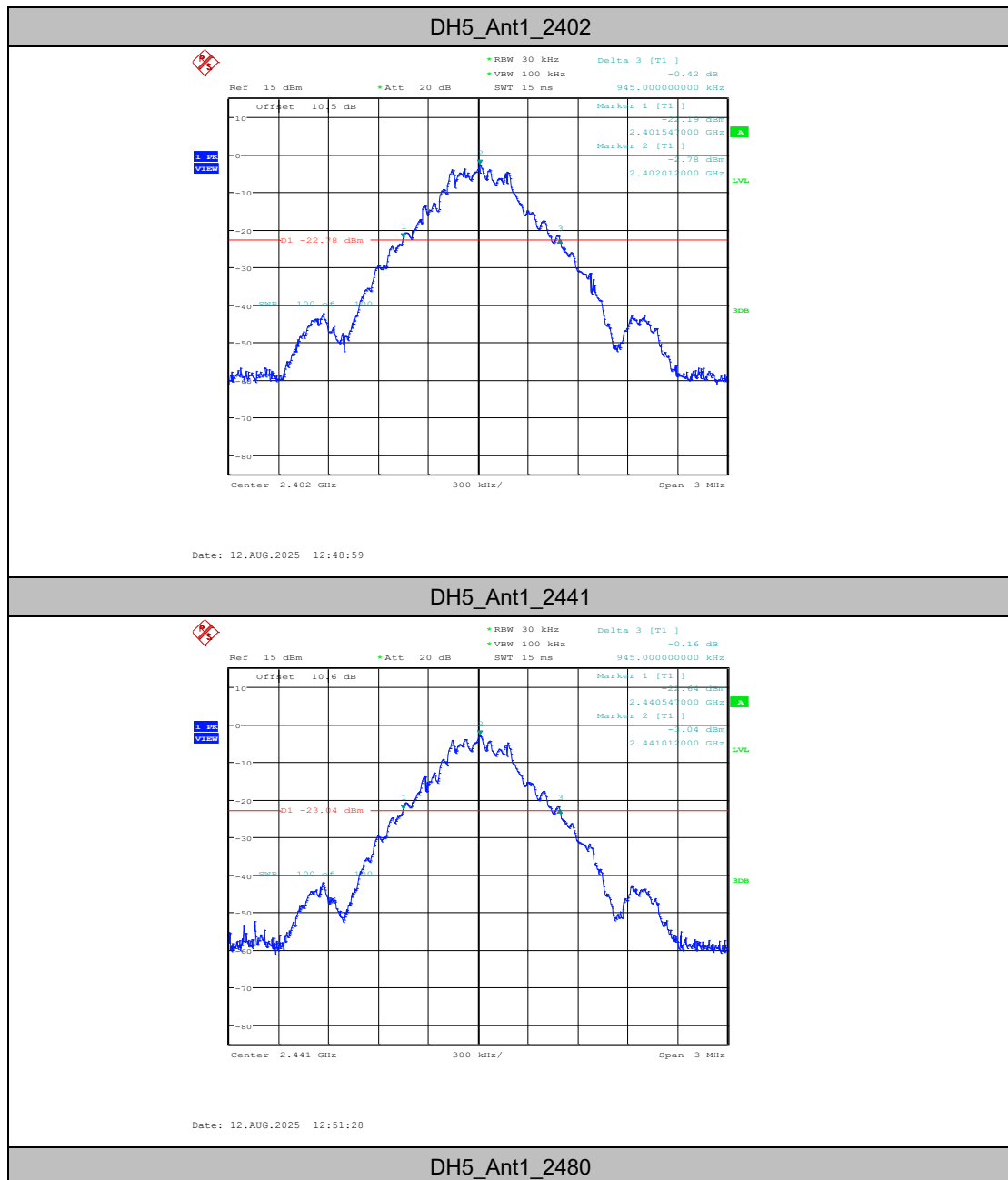
Reviewed By : Eric Wang

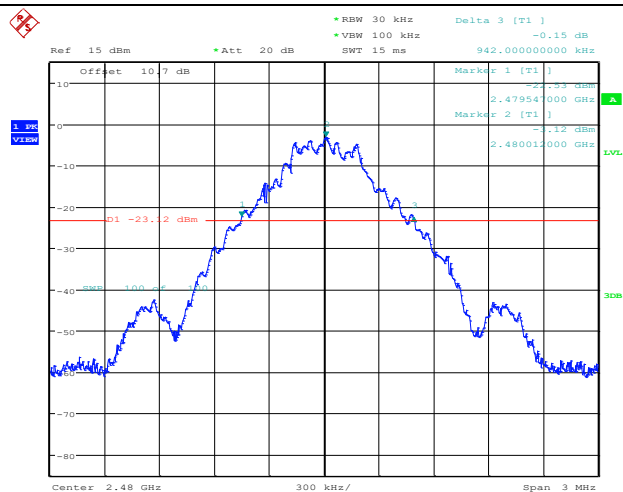
Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.95	2401.55	2402.49	---	---
		2441	0.95	2440.55	2441.49	---	---
		2480	0.94	2479.55	2480.49	---	---
2DH5	Ant1	2402	1.29	2401.38	2402.67	---	---
		2441	1.28	2440.38	2441.66	---	---
		2480	1.29	2479.38	2480.67	---	---

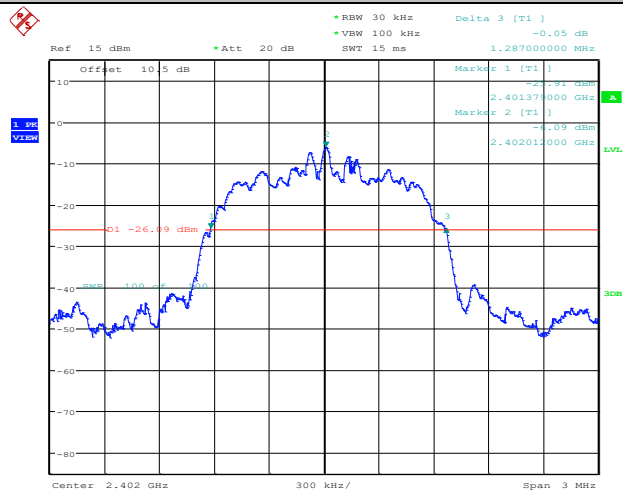
Test Graphs





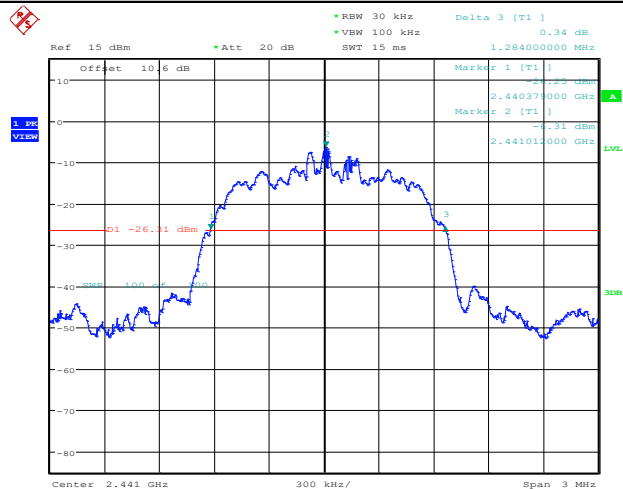
Date: 12.AUG.2025 12:53:42

2DH5_Ant1_2402



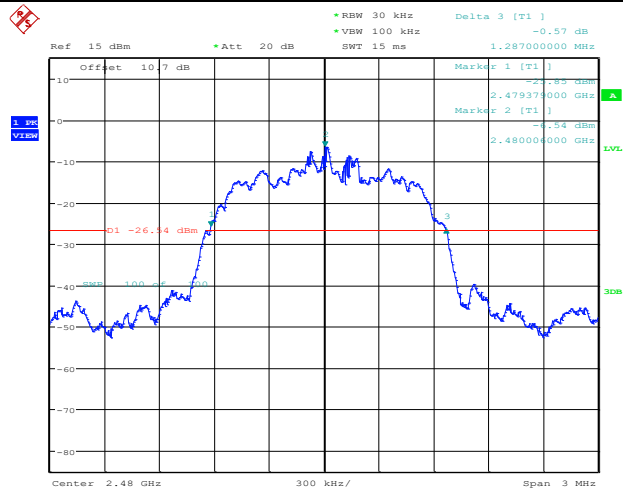
Date: 12.AUG.2025 12:56:35

2DH5_Ant1_2441



Date: 12.AUG.2025 12:59:04

2DH5_Ant1_2480



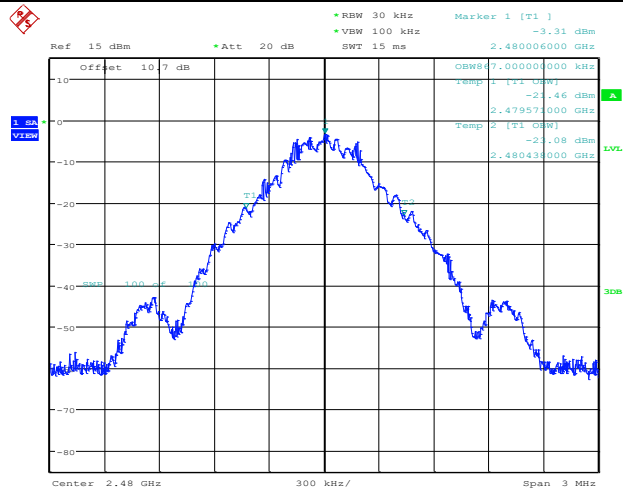
Date: 12.AUG.2025 13:01:27

Appendix B: Occupied Channel Bandwidth

Test Result

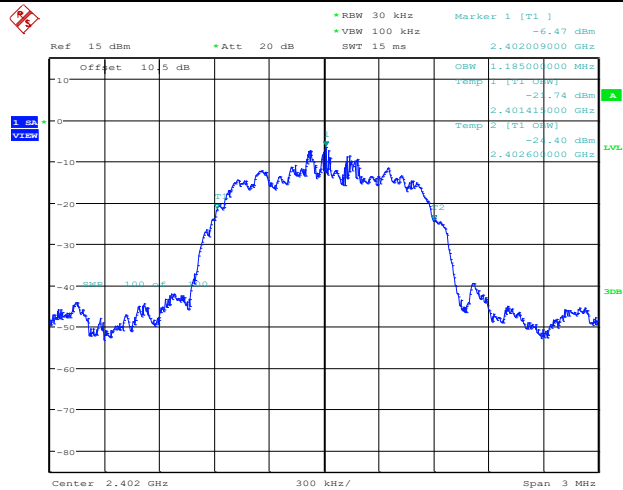
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.864	2401.5740	2402.4380	---	---
		2441	0.864	2440.5740	2441.4380	---	---
		2480	0.867	2479.5710	2480.4380	---	---
2DH5	Ant1	2402	1.185	2401.4150	2402.6000	---	---
		2441	1.182	2440.4150	2441.5970	---	---
		2480	1.182	2479.4150	2480.5970	---	---

[illegible]



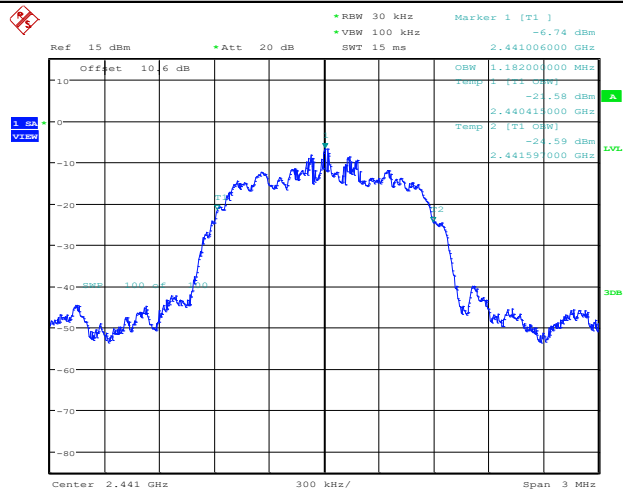
Date: 12.AUG.2025 12:53:58

2DH5_Ant1_2402



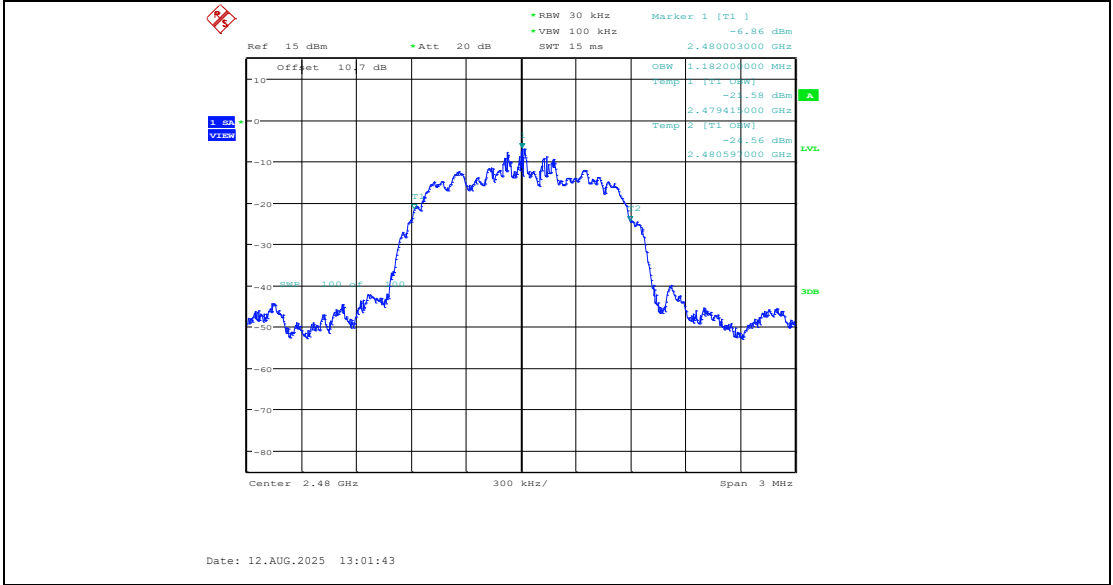
Date: 12.AUG.2025 12:56:51

2DH5_Ant1_2441



Date: 12.AUG.2025 12:59:19

2DH5_Ant1_2480



Appendix C: Maximum conducted output power

Test Result Peak

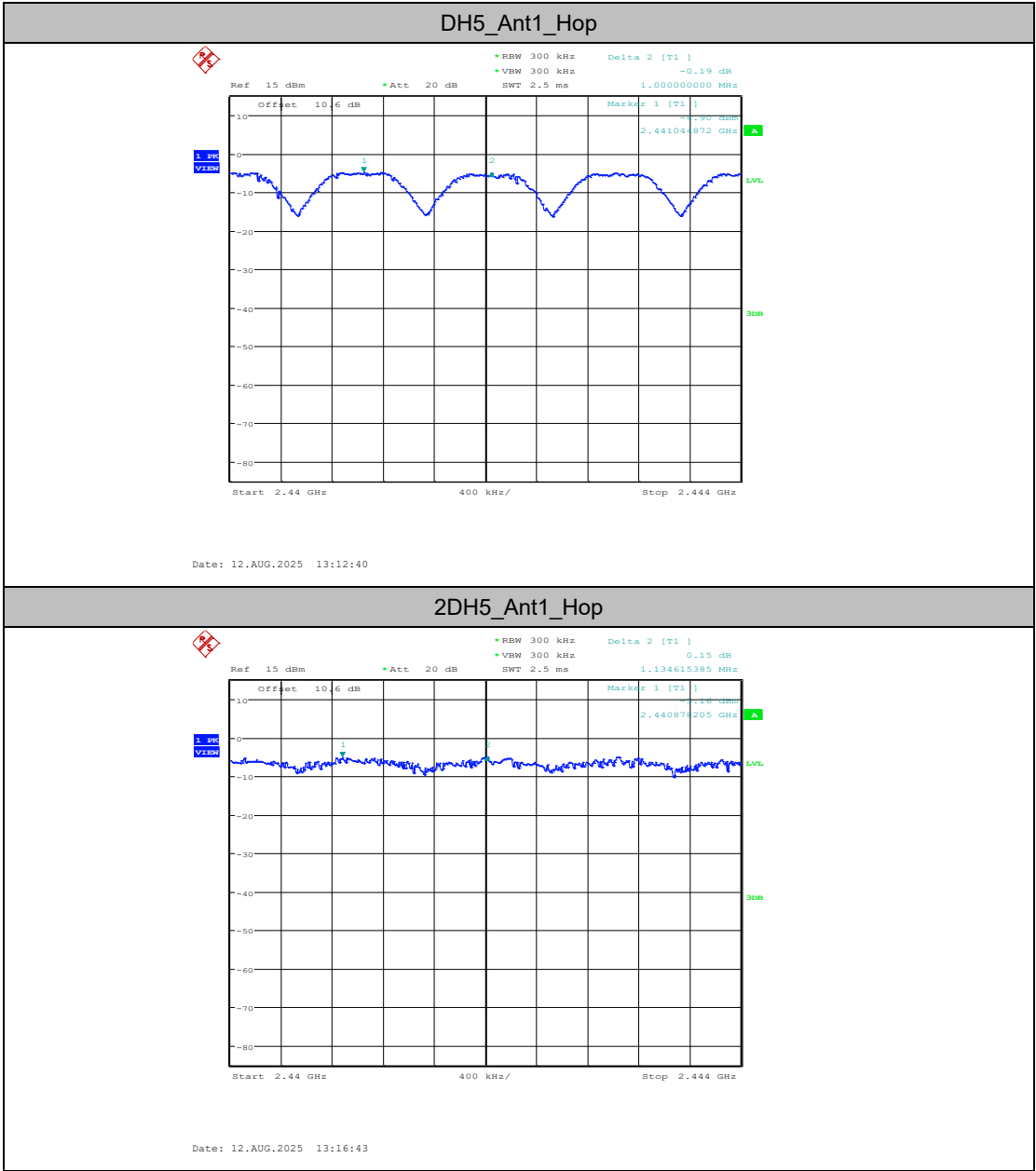
Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-0.73	≤20.97	PASS
		2441	-0.97	≤20.97	PASS
		2480	-1.03	≤20.97	PASS
2DH5	Ant1	2402	-1.64	≤20.97	PASS
		2441	-1.91	≤20.97	PASS
		2480	-1.95	≤20.97	PASS

Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.0	≥0.950	PASS
2DH5	Ant1	Hop	1.135	≥0.860	PASS

Test Graphs

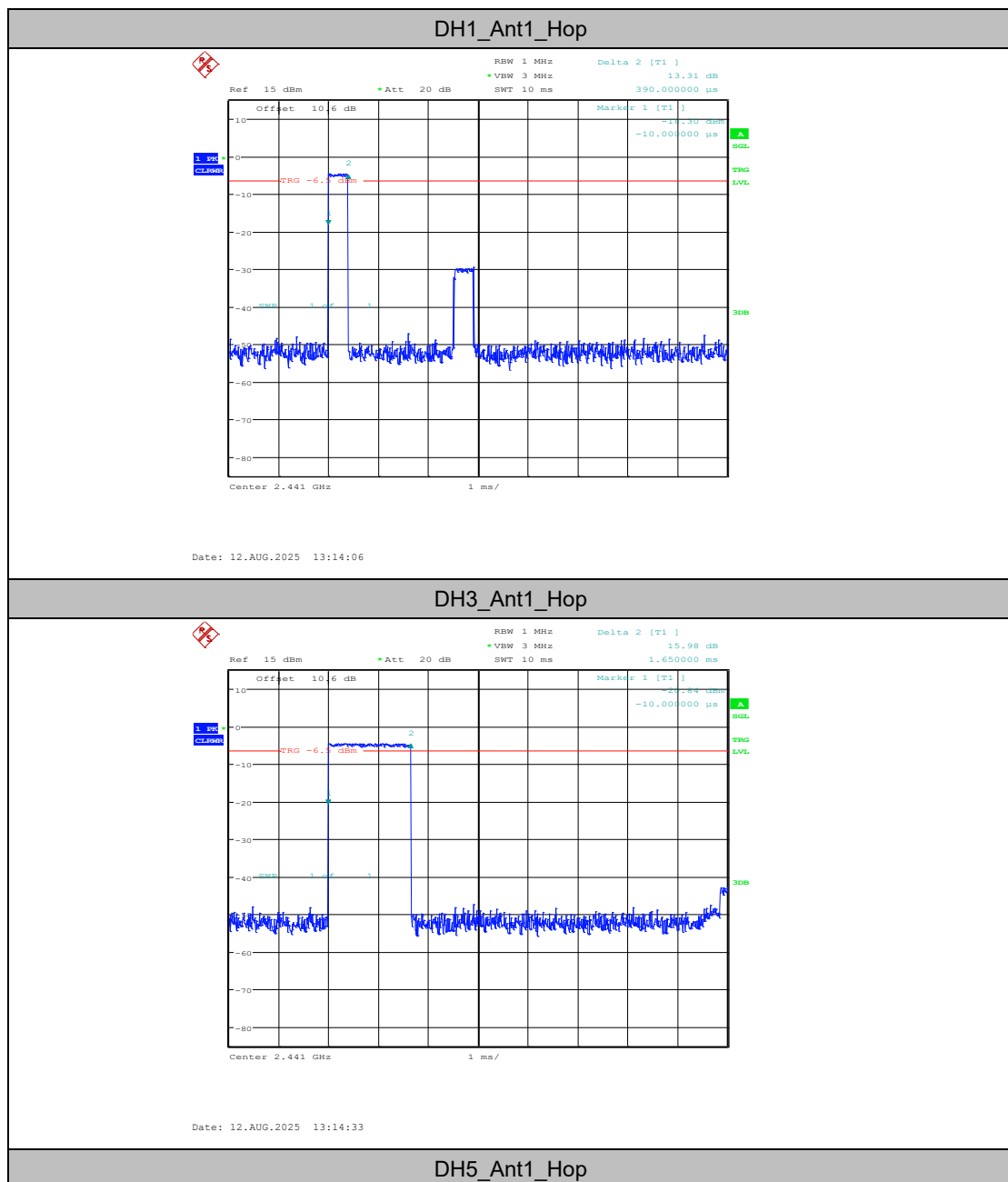


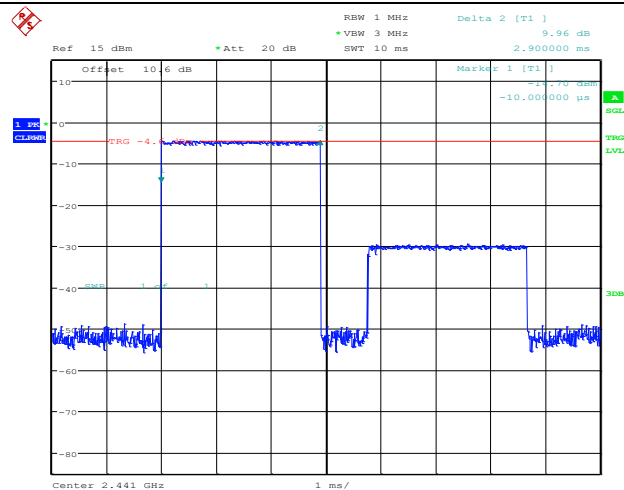
Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.390	320	0.125	≤0.4	PASS
DH3	Ant1	Hop	1.650	160	0.264	≤0.4	PASS
DH5	Ant1	Hop	2.900	106.67	0.309	≤0.4	PASS
2DH1	Ant1	Hop	0.400	320	0.128	≤0.4	PASS
2DH3	Ant1	Hop	1.660	160	0.266	≤0.4	PASS
2DH5	Ant1	Hop	2.910	106.67	0.31	≤0.4	PASS

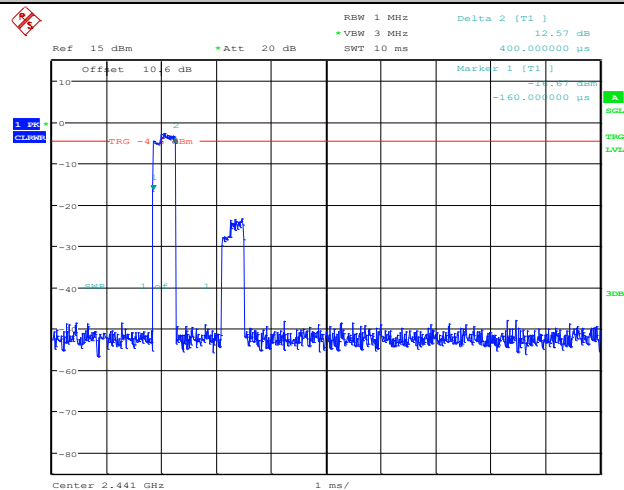
Test Graphs





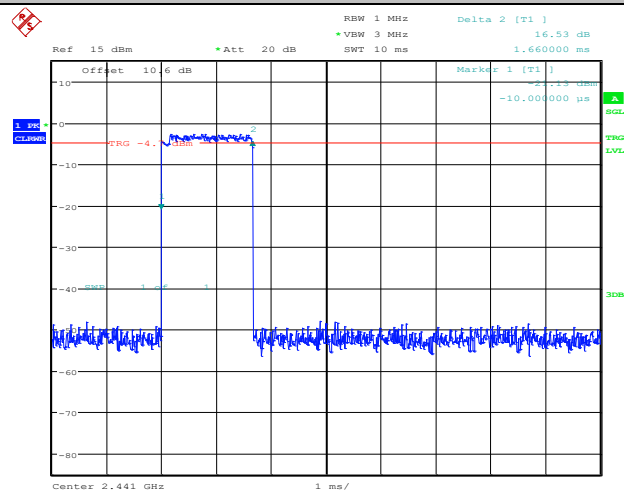
Date: 12.AUG.2025 13:13:32

2DH1_Ant1_Hop



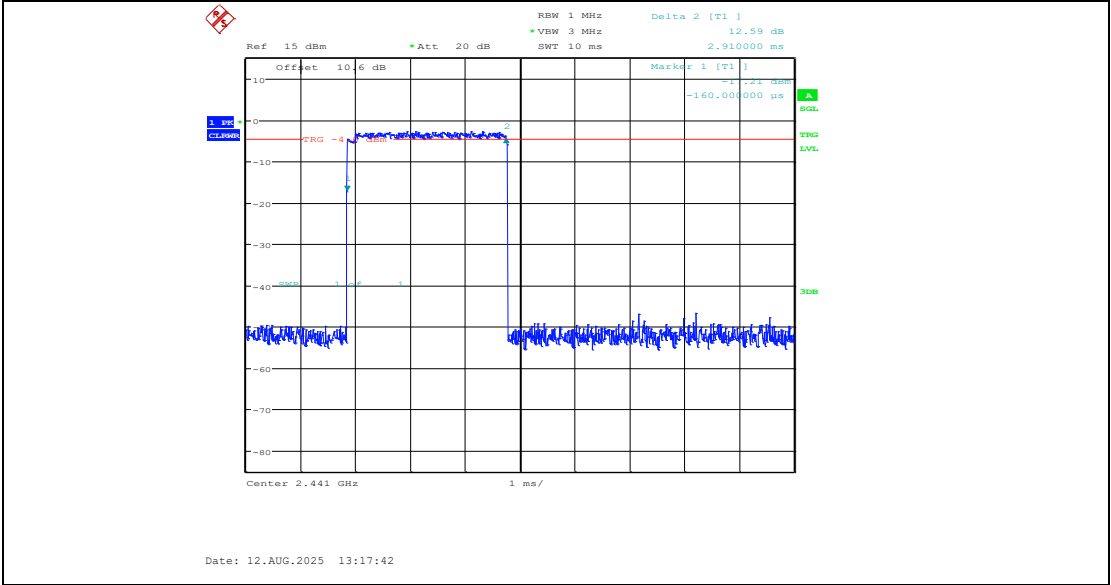
Date: 12.AUG.2025 13:18:14

2DH3_Ant1_Hop



Date: 12.AUG.2025 13:18:47

2DH5_Ant1_Hop

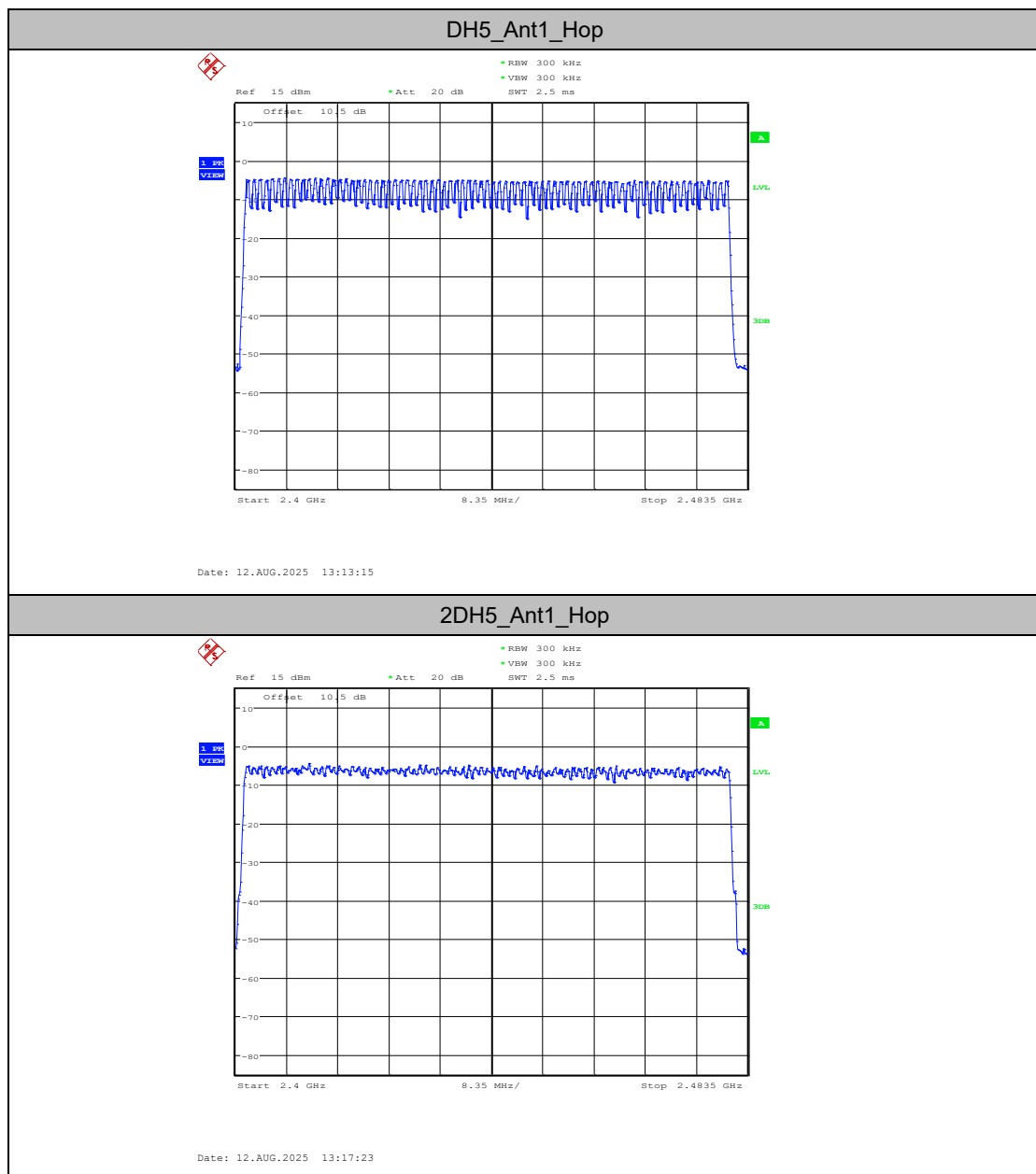


Appendix F: Number of hopping channels

Test Result

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

Test Graphs

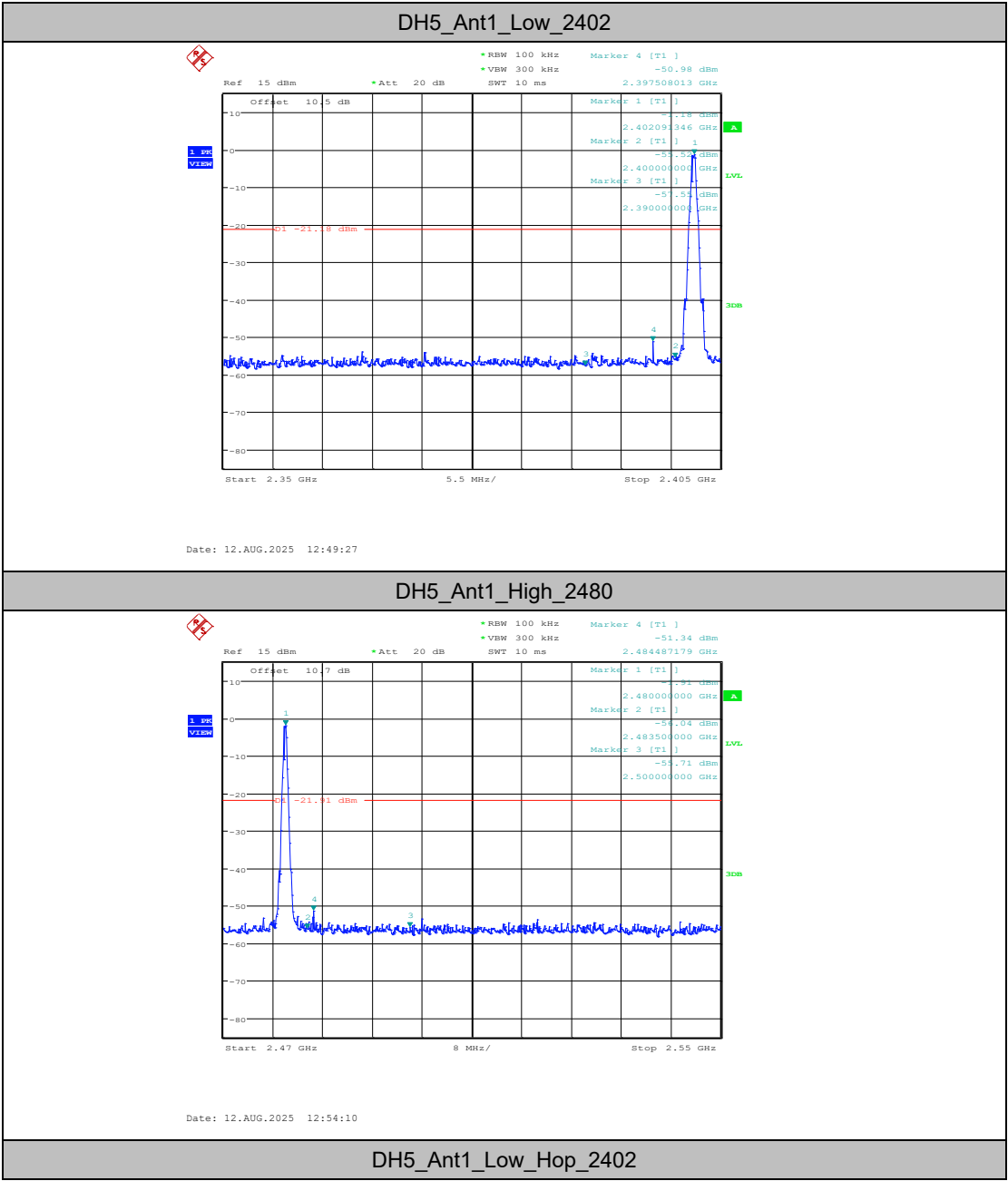


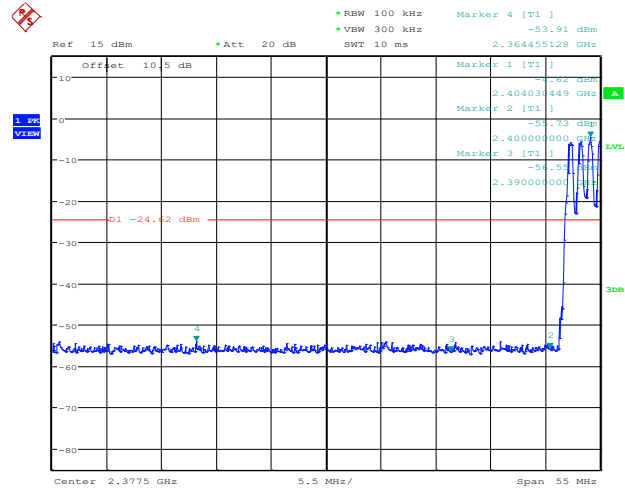
Appendix G: Band edge measurements

Test Result

TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-1.18	-50.98	≤ -21.18	PASS
		High	2480	-1.91	-51.34	≤ -21.91	PASS
		Low	Hop_2402	-4.62	-53.91	≤ -24.62	PASS
		High	Hop_2480	-4.78	-53.48	≤ -24.78	PASS
2DH5	Ant1	Low	2402	-4.68	-54.12	≤ -24.68	PASS
		High	2480	-5.92	-53.38	≤ -25.92	PASS
		Low	Hop_2402	-7.14	-53.49	≤ -27.14	PASS
		High	Hop_2480	-6.31	-52.03	≤ -26.31	PASS

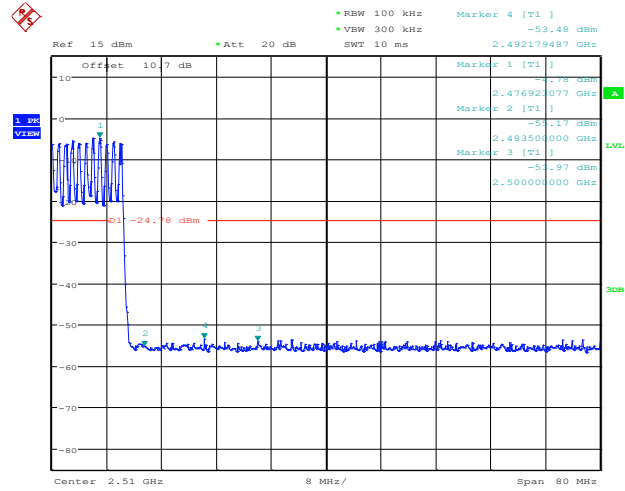
Test Graphs





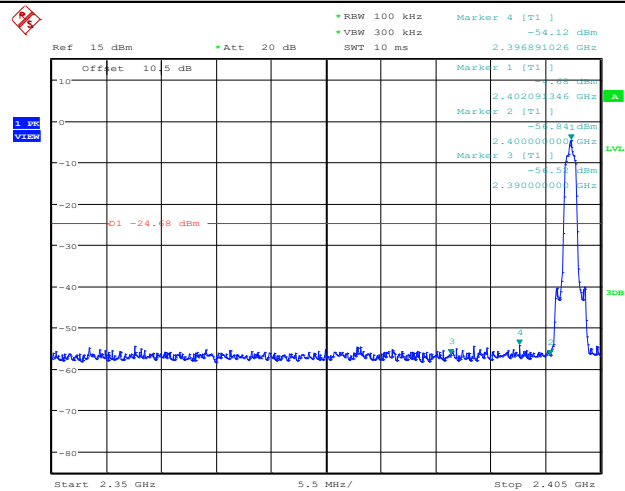
Date: 12.AUG.2025 13:12:16

DH5_Ant1_High_Hop_2480



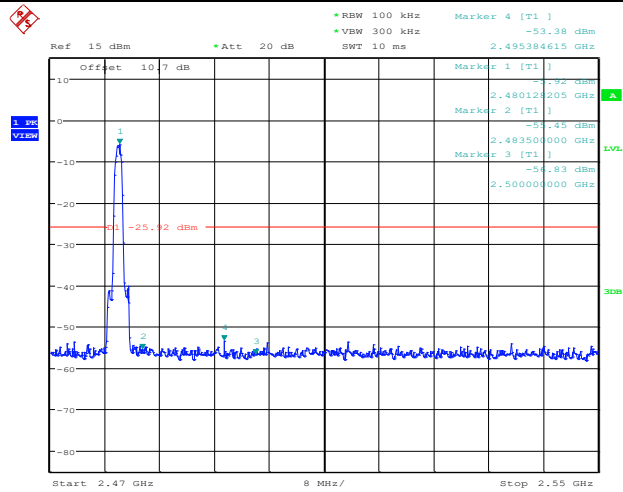
Date: 12.AUG.2025 13:15:46

2DH5_Ant1_Low_2402



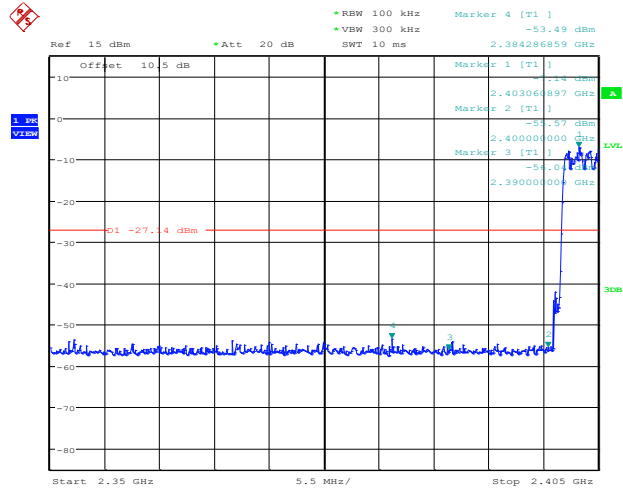
Date: 12.AUG.2025 12:57:03

2DH5_Ant1_High_2480



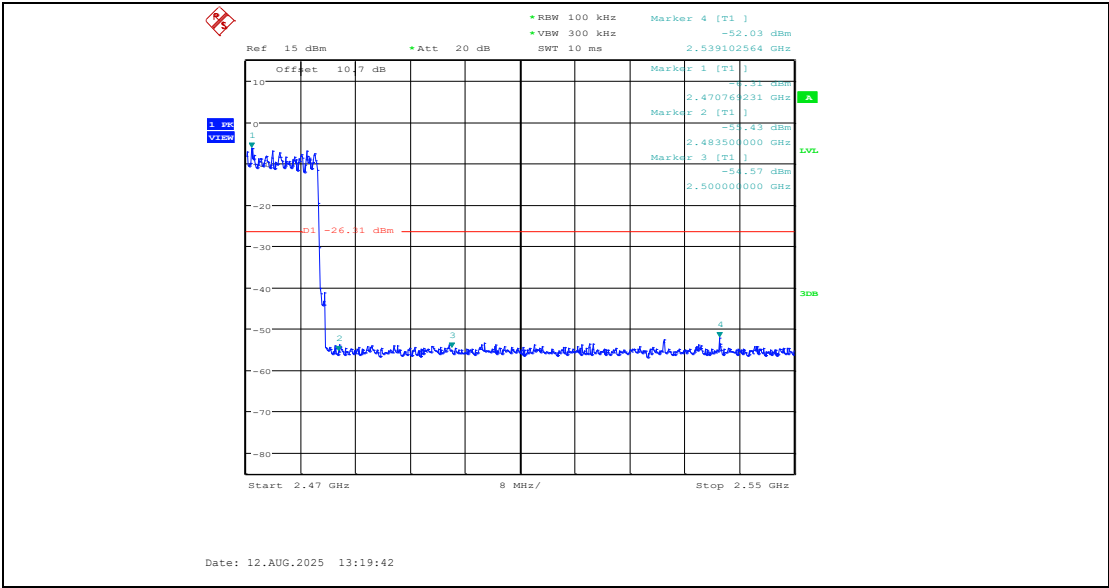
Date: 12.AUG.2025 13:01:56

2DH5_Ant1_Low_Hop_2402



Date: 12.AUG.2025 13:16:18

2DH5_Ant1_High_Hop_2480

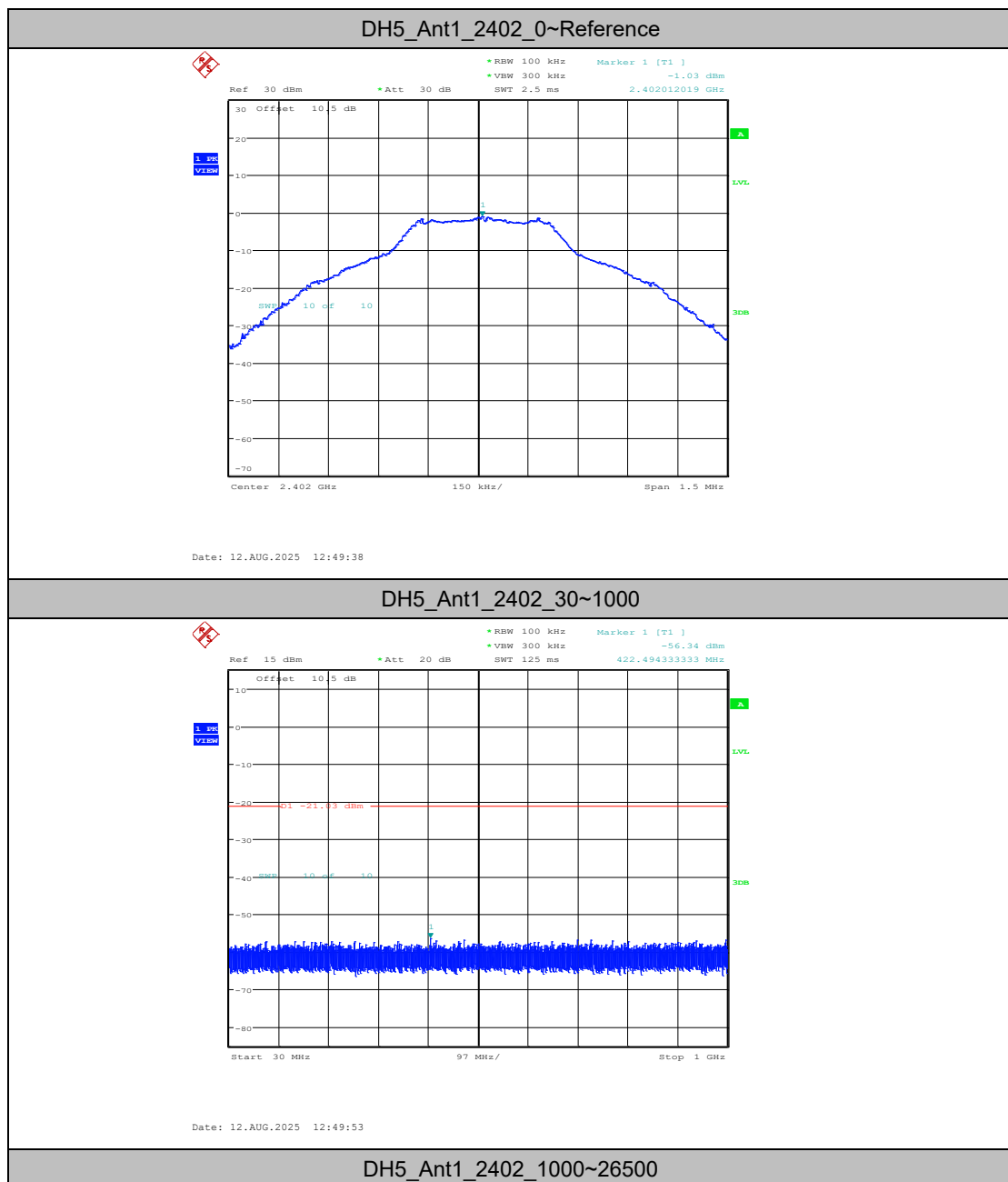


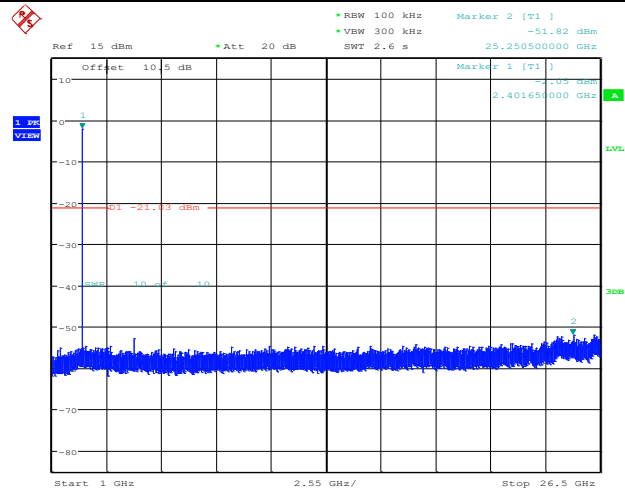
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-1.03	-1.03	---	PASS
			30~1000	-1.03	-56.34	≤-21.03	PASS
			1000~26500	-1.03	-51.82	≤-21.03	PASS
		2441	Reference	-1.31	-1.31	---	PASS
			30~1000	-1.31	-56.42	≤-21.31	PASS
			1000~26500	-1.31	-50.71	≤-21.31	PASS
		2480	Reference	-1.37	-1.37	---	PASS
			30~1000	-1.37	-55.99	≤-21.37	PASS
			1000~26500	-1.37	-49.23	≤-21.37	PASS
2DH5	Ant1	2402	Reference	-4.88	-4.88	---	PASS
			30~1000	-4.88	-56.23	≤-24.88	PASS
			1000~26500	-4.88	-51.87	≤-24.88	PASS
		2441	Reference	-4.76	-4.76	---	PASS
			30~1000	-4.76	-56.13	≤-24.76	PASS
			1000~26500	-4.76	-50.31	≤-24.76	PASS
		2480	Reference	-4.96	-4.96	---	PASS
			30~1000	-4.96	-56.08	≤-24.96	PASS
			1000~26500	-4.96	-51.95	≤-24.96	PASS

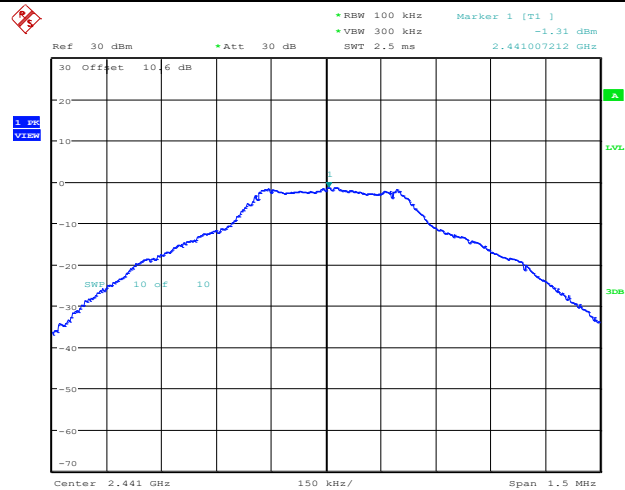
Test Graphs





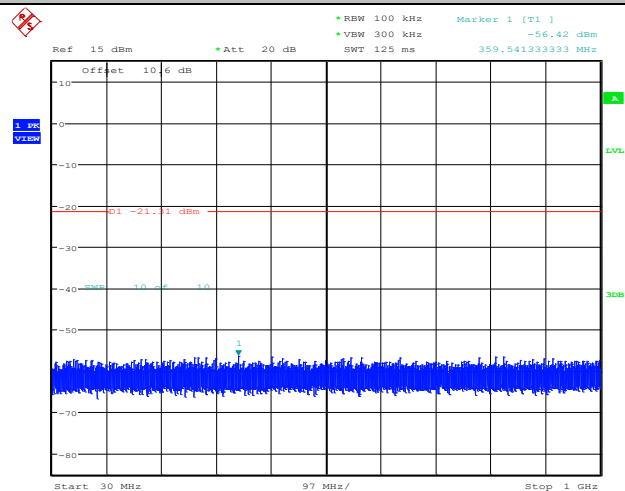
Date: 12.AUG.2025 12:50:34

DH5_Ant1_2441_0~Reference



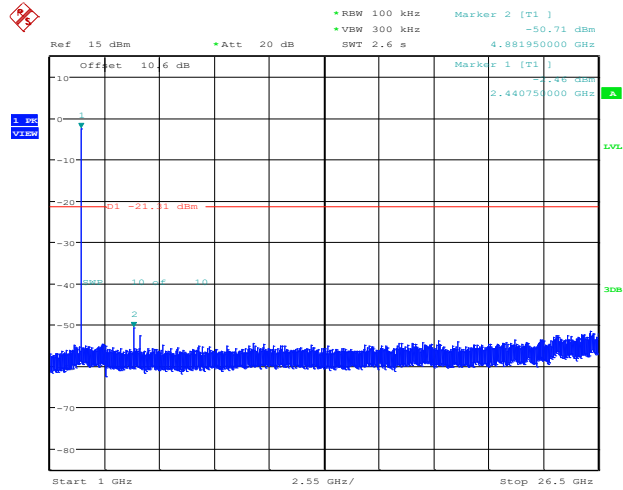
Date: 12.AUG.2025 12:51:54

DH5_Ant1_2441_30~1000



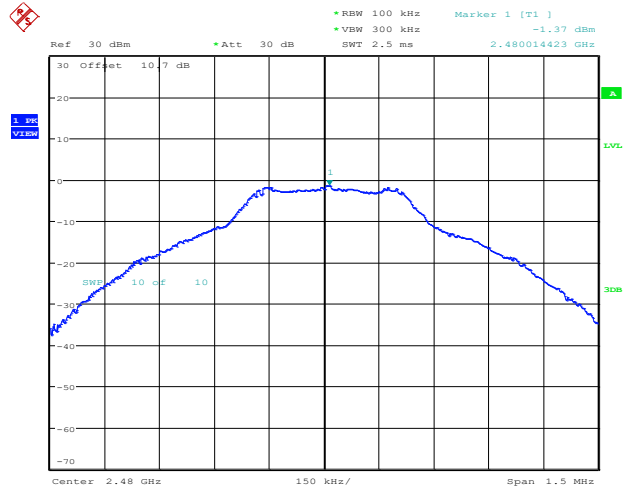
Date: 12.AUG.2025 12:52:09

DH5_Ant1_2441_1000~26500



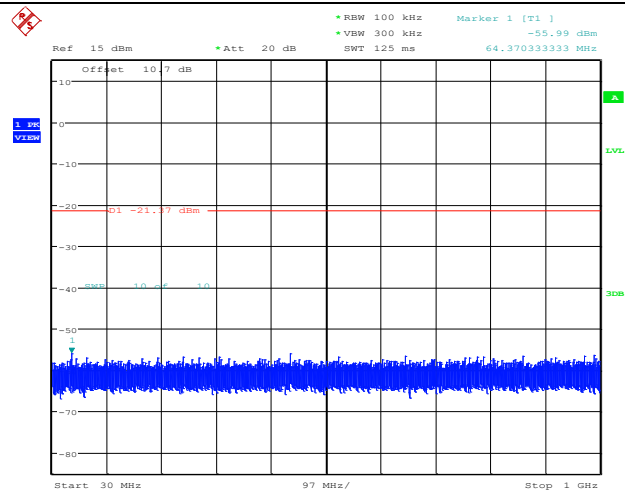
Date: 12.AUG.2025 12:52:50

DH5_Ant1_2480_0~Reference



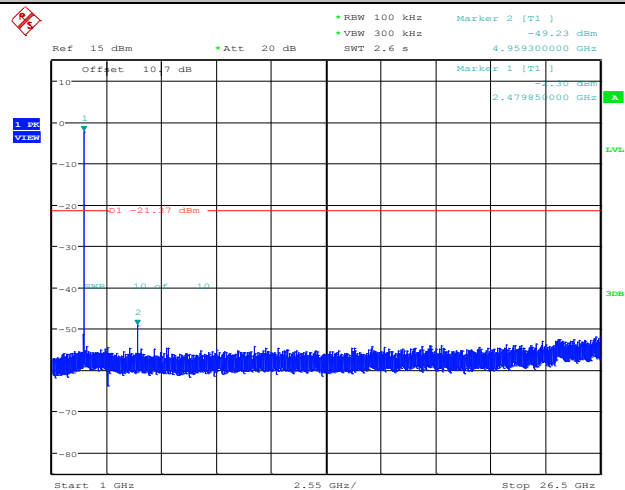
Date: 12.AUG.2025 12:54:22

DH5_Ant1_2480_30~1000



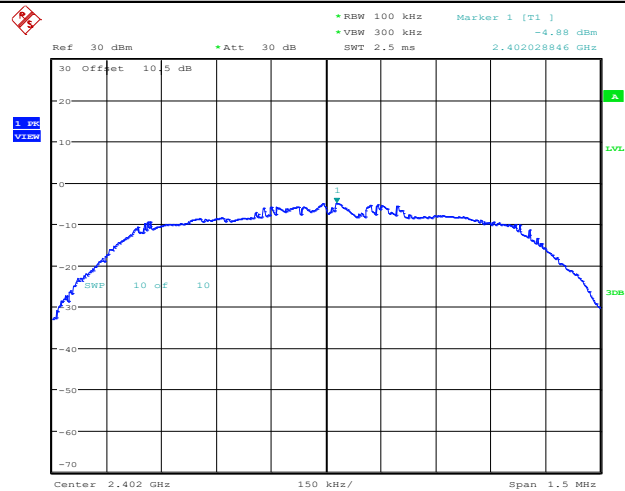
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DH5_Ant1_2480_1000~26500

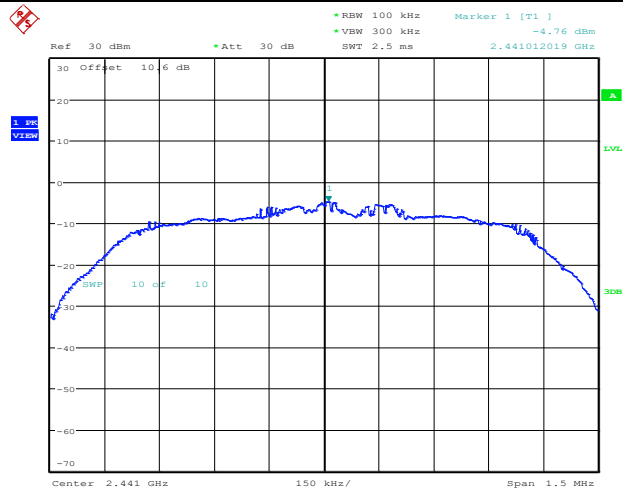


Date: 12.AUG.2025 12:55:17

2DH5_Ant1_2402_0~Reference

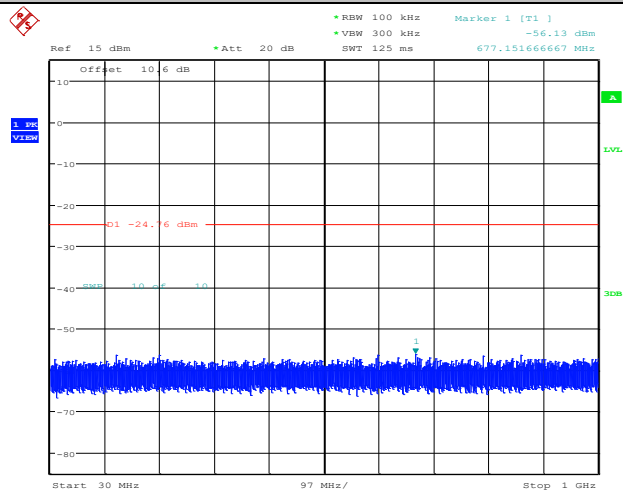


Date: 12.AUG.2025 12:57:14



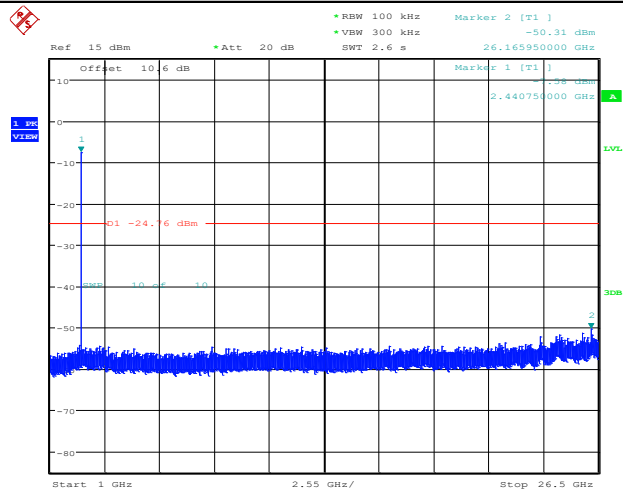
Date: 12.AUG.2025 12:59:30

2DH5_Ant1_2441_30~1000

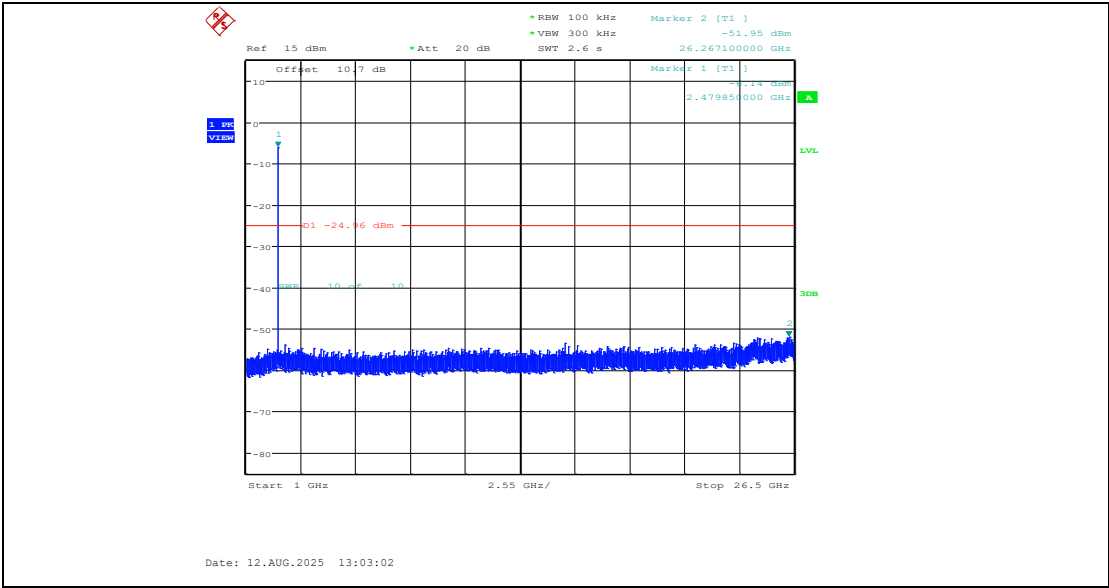


Date: 12.AUG.2025 12:59:45

2DH5_Ant1_2441_1000~26500



Date: 12.AUG.2025 13:00:26

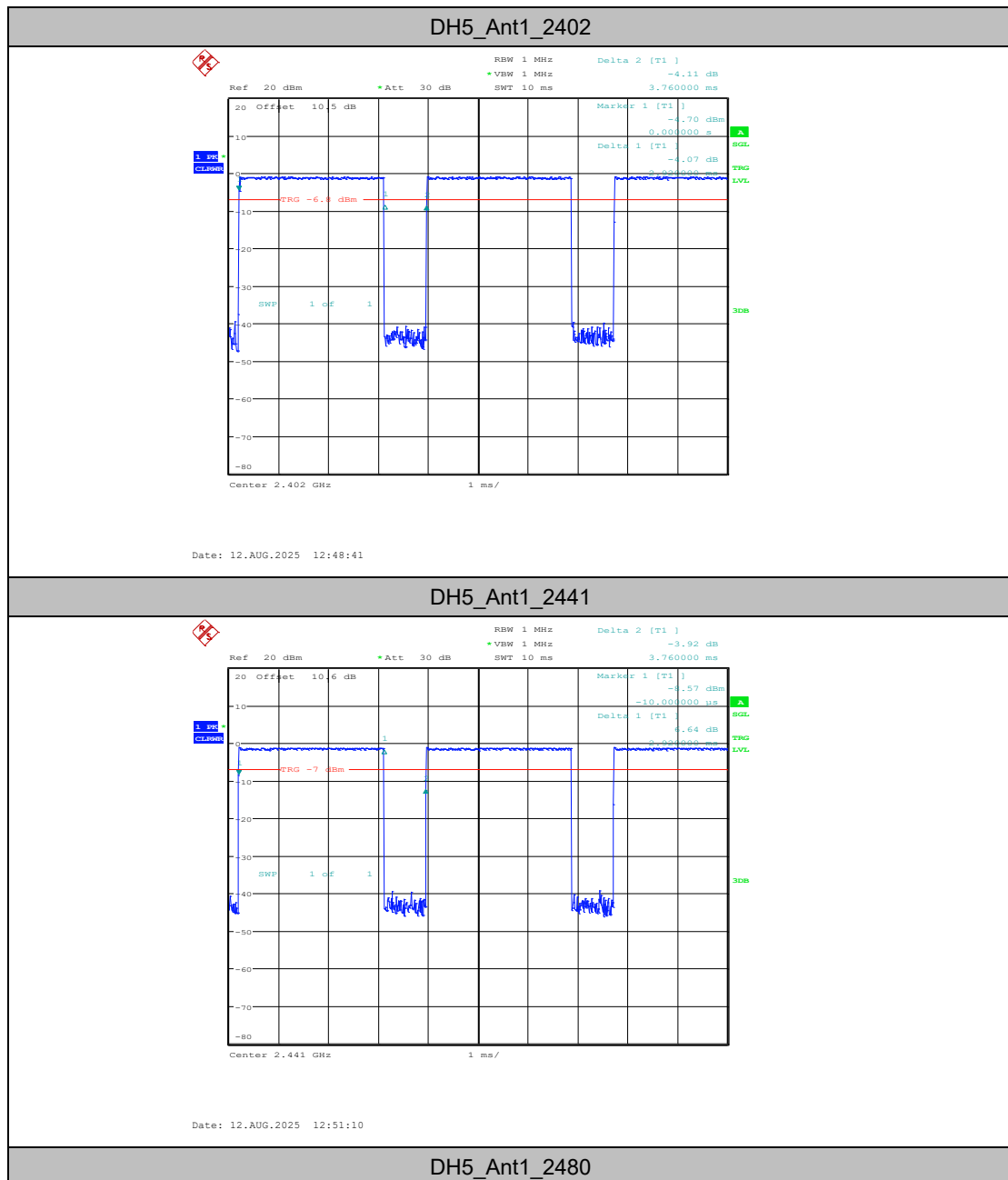


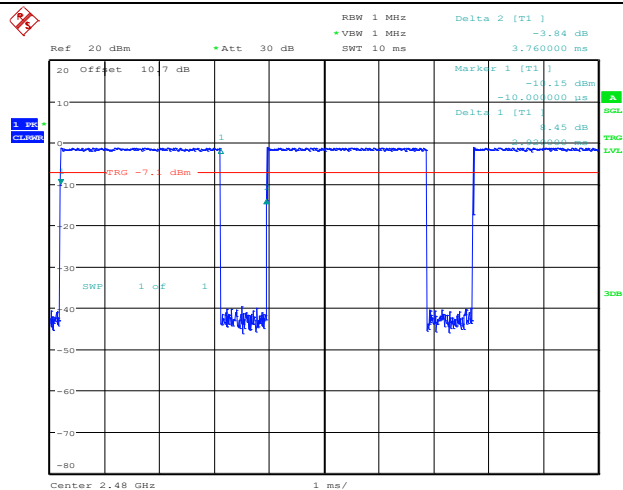
Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	ON Time [ms]	Period [ms]	DC [%]	xFactor	Limit	Verdict
DH5	Ant1	2402	2.92	3.76	77.66	1.10	---	---
		2441	2.92	3.76	77.66	1.10	---	---
		2480	2.92	3.76	77.66	1.10	---	---
2DH5	Ant1	2402	2.92	3.76	77.66	1.10	---	---
		2441	2.93	3.77	77.72	1.09	---	---
		2480	2.93	3.76	77.93	1.08	---	---

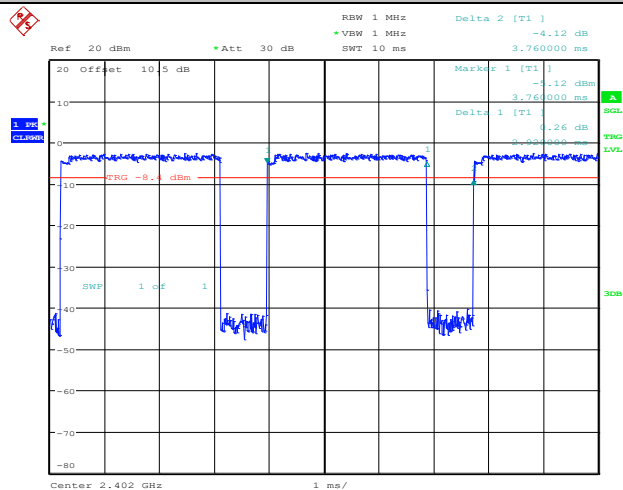
Test Graphs





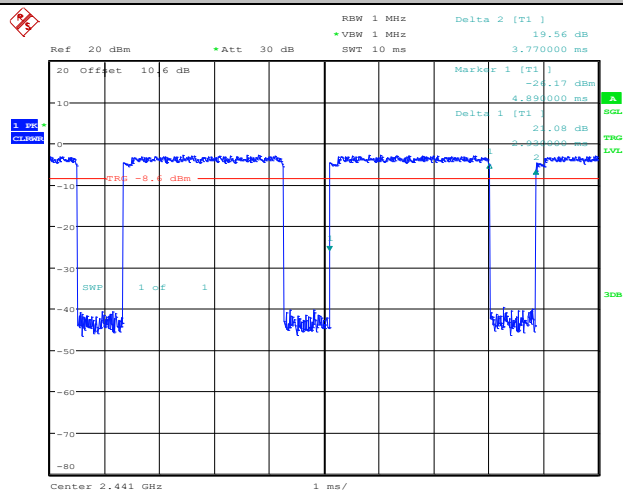
Date: 12.AUG.2025 12:53:25

2DH5_Ant1_2402



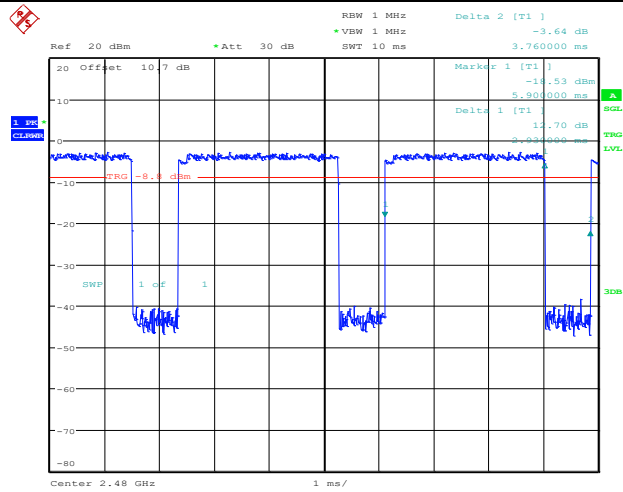
Date: 12.AUG.2025 12:56:17

2DH5_Ant1_2441



Date: 12.AUG.2025 12:58:46

2DH5_Ant1_2480



Date: 12.AUG.2025 13:01:10