

FCC Appendix RF Test Data for BT

FCC ID : 2BFGG-ED800

Company : ALGAM

EUT : 5-PAD MESH ELECTRONIC DRUM KIT

Model Number : ED800

Report No. : CTA26060101001

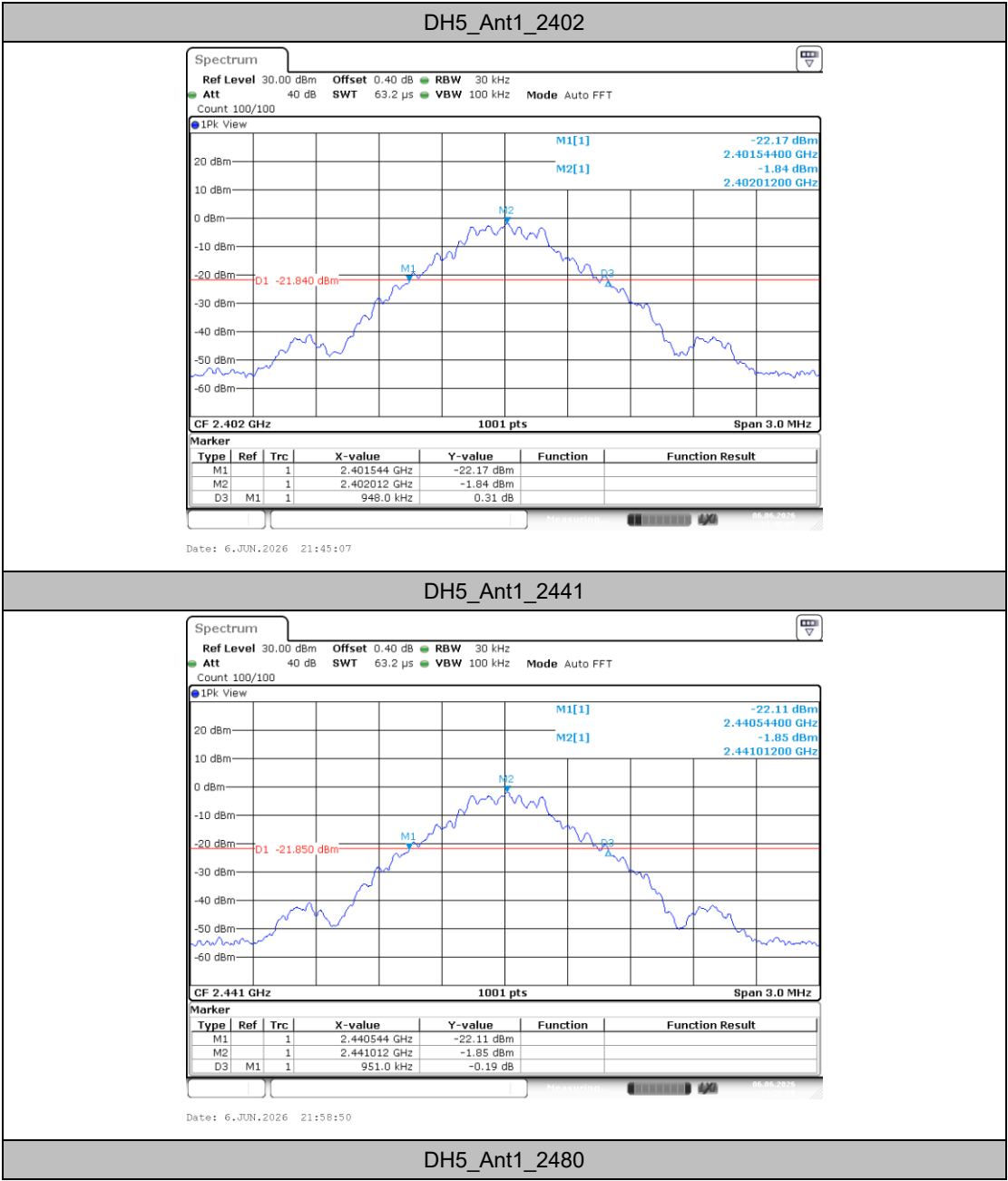
Reviewed By : Eric Wang

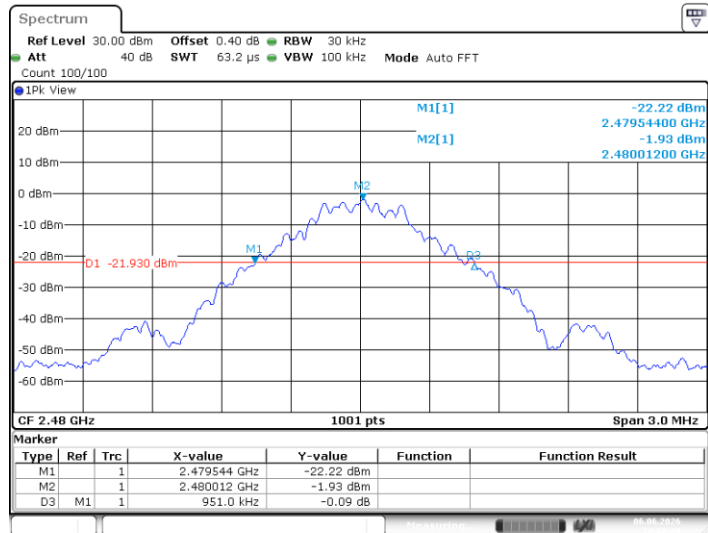
Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.95	2401.54	2402.49	---	---
		2441	0.95	2440.54	2441.50	---	---
		2480	0.95	2479.54	2480.50	---	---
2DH5	Ant1	2402	1.29	2401.38	2402.67	---	---
		2441	1.29	2440.38	2441.67	---	---
		2480	1.29	2479.38	2480.67	---	---
3DH5	Ant1	2402	1.29	2401.36	2402.66	---	---
		2441	1.29	2440.36	2441.66	---	---
		2480	1.29	2479.37	2480.65	---	---

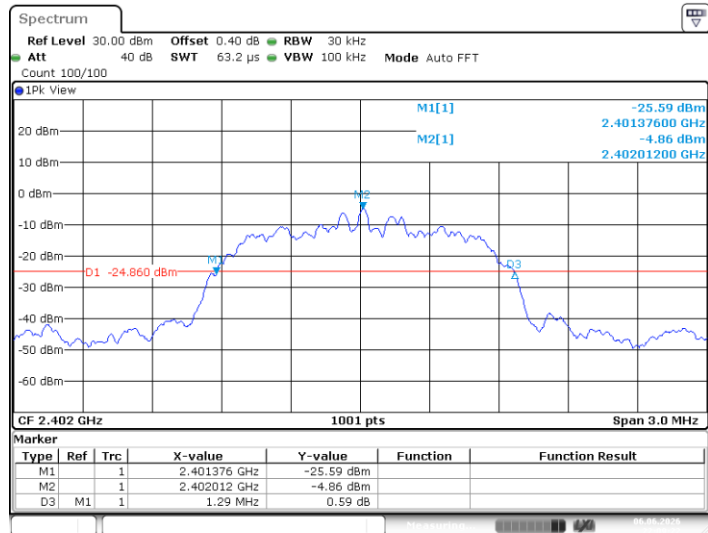
Test Graphs





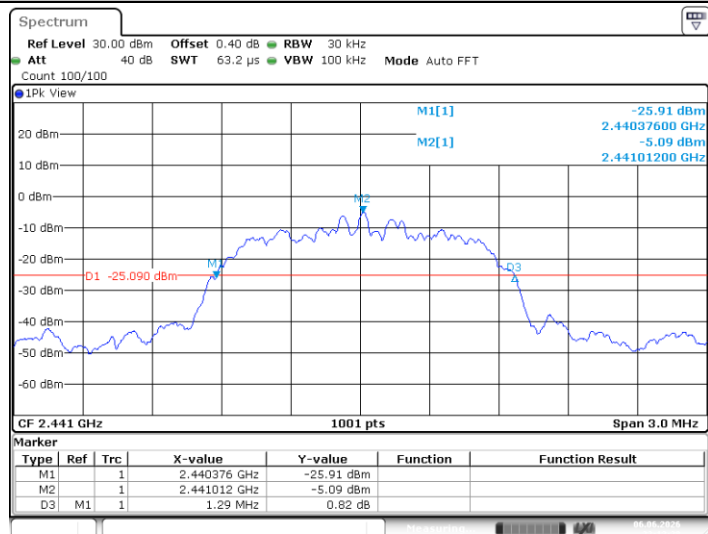
Date: 6.JUN.2026 22:02:00

2DH5_Ant1_2402



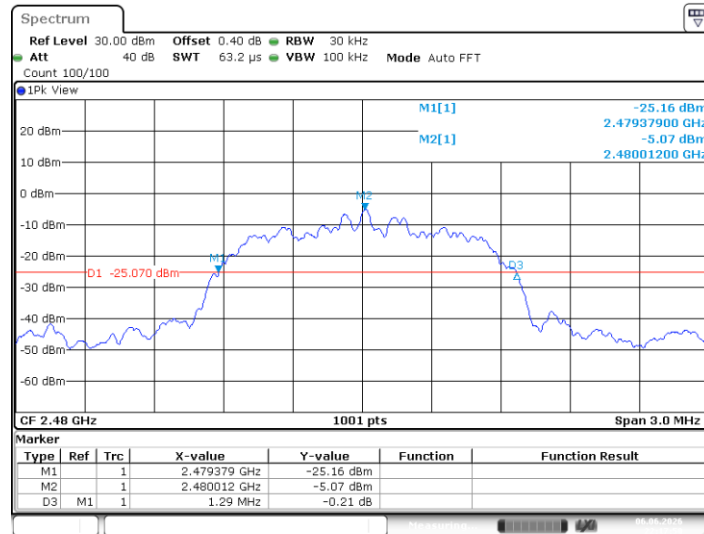
Date: 6.JUN.2026 22:09:22

2DH5_Ant1_2441



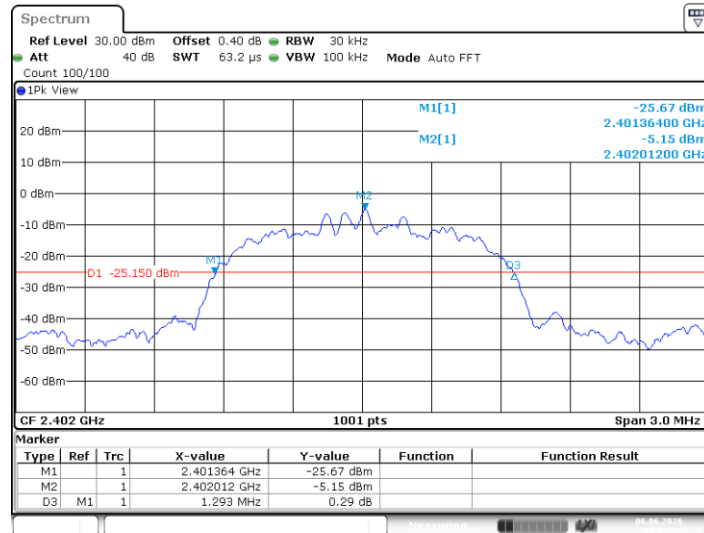
Date: 6.JUN.2026 22:12:27

2DH5_Ant1_2480



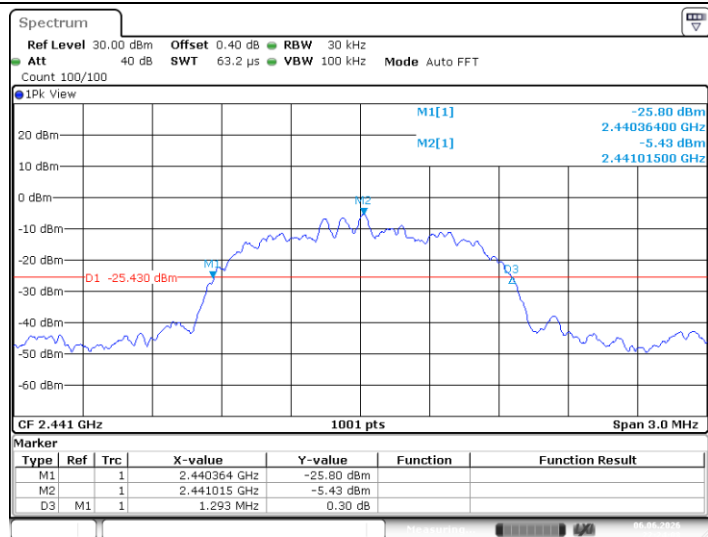
Date: 6.JUN.2026 22:17:50

3DH5_Ant1_2402



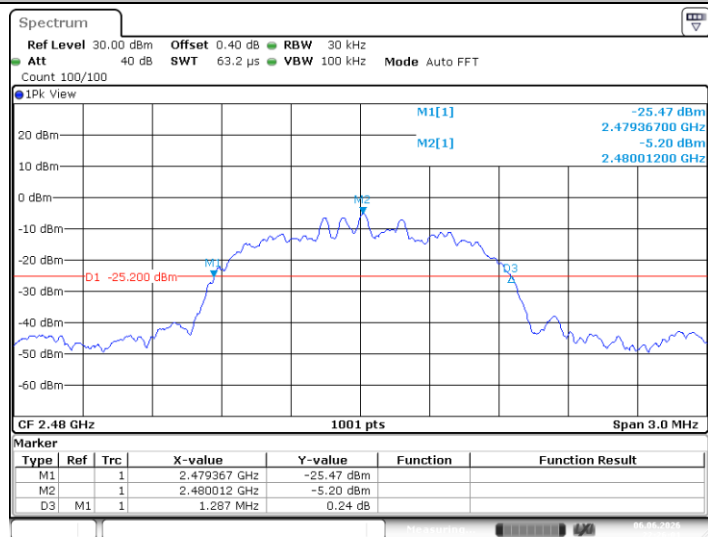
Date: 6.JUN.2026 22:21:06

3DH5_Ant1_2441



Date: 6.JUN.2026 22:24:08

3DH5_Ant1_2480



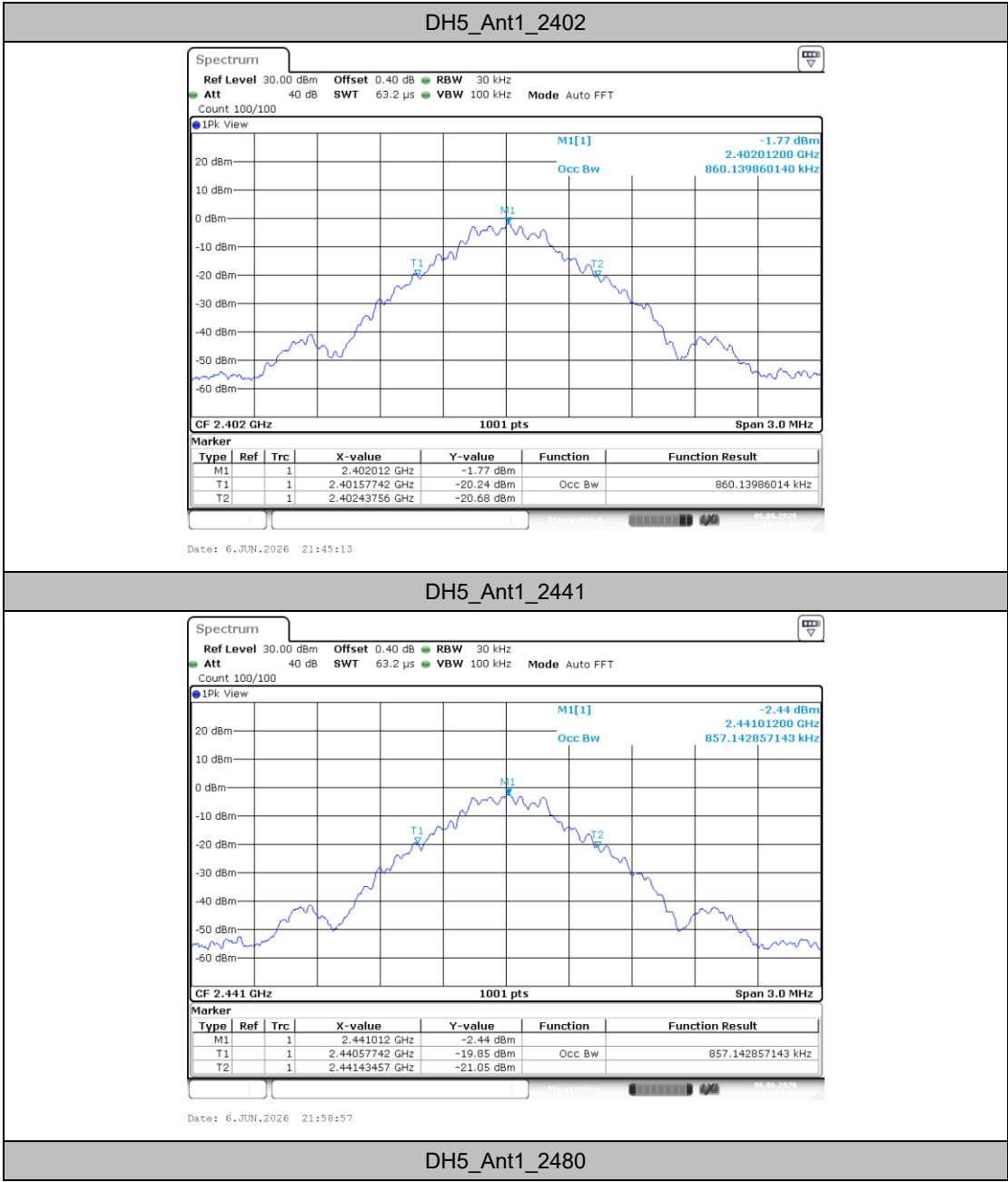
Date: 6.JUN.2026 22:26:01

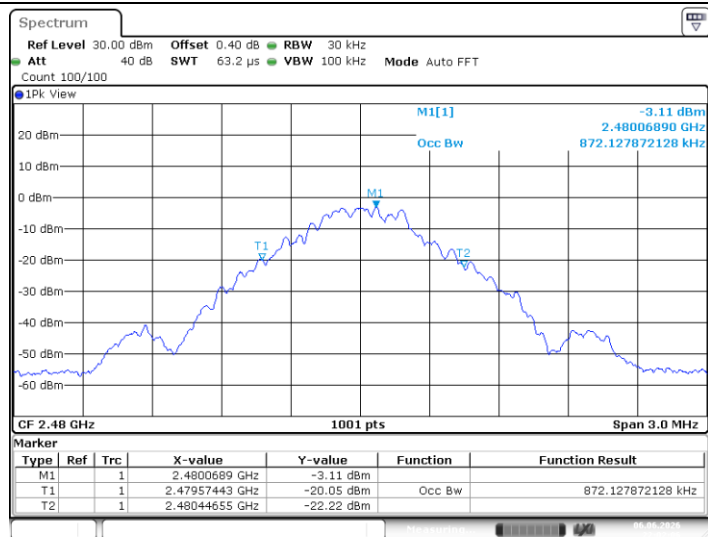
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86014	2401.5774	2402.4376	---	---
		2441	0.85714	2440.5774	2441.4346	---	---
		2480	0.87213	2479.5744	2480.4466	---	---
2DH5	Ant1	2402	1.1748	2401.4216	2402.5964	---	---
		2441	1.1748	2440.4216	2441.5964	---	---
		2480	1.1748	2479.4216	2480.5964	---	---
3DH5	Ant1	2402	1.1718	2401.4276	2402.5994	---	---
		2441	1.1748	2440.4246	2441.5994	---	---
		2480	1.1808	2479.4216	2480.6024	---	---

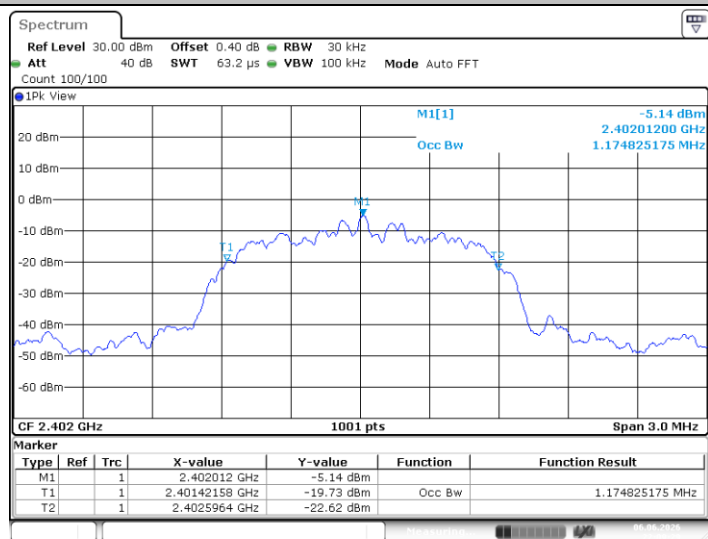
Test Graphs





Date: 6.JUN.2026 22:02:06

2DH5_Ant1_2402



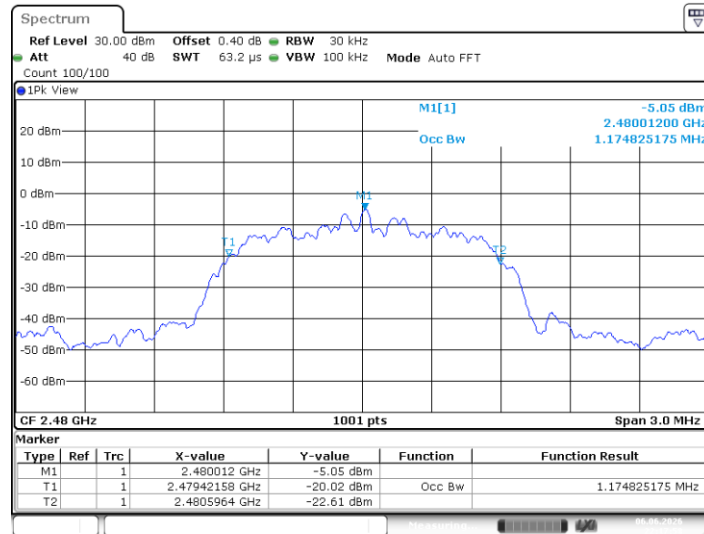
Date: 6.JUN.2026 22:09:29

2DH5_Ant1_2441



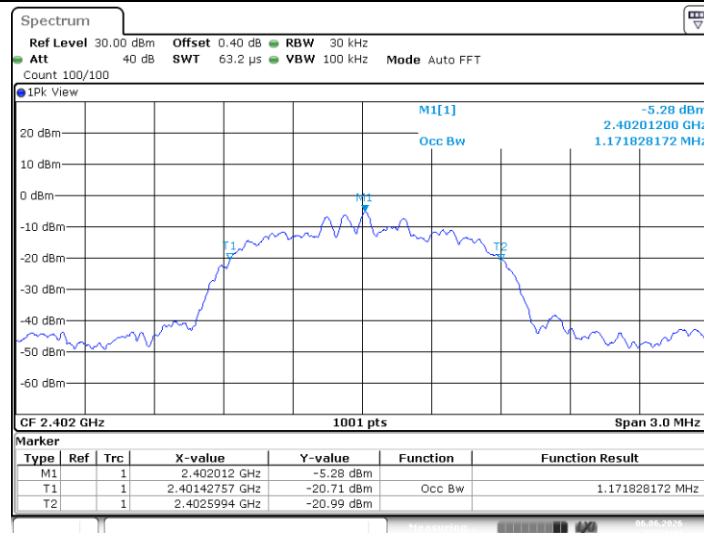
Date: 6.JUN.2026 22:12:35

2DH5_Ant1_2480



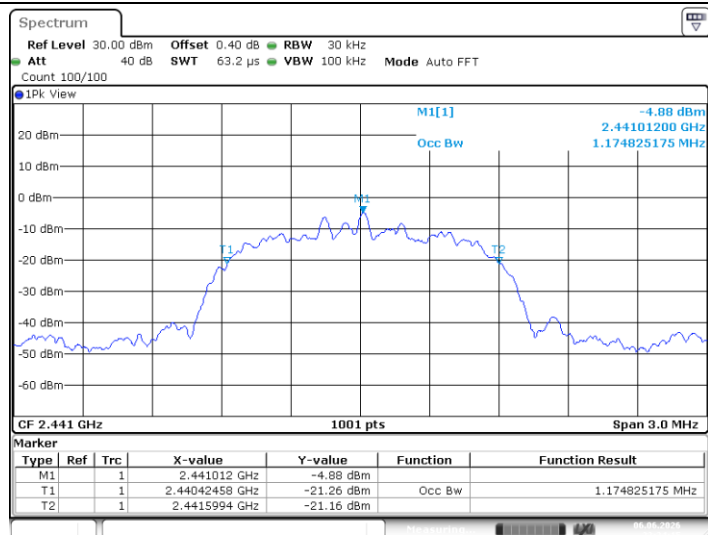
Date: 6.JUN.2026 22:17:57

3DH5_Ant1_2402



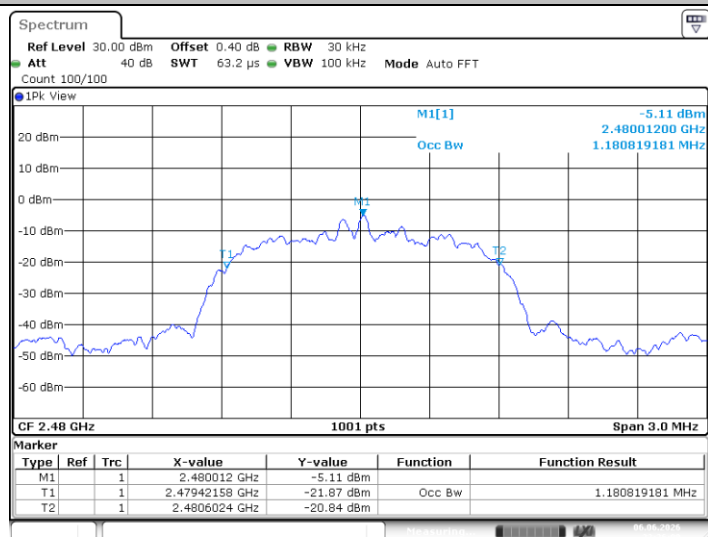
Date: 6.JUN.2026 22:21:13

3DH5_Ant1_2441



Date: 6.JUN.2026 22:24:15

3DH5_Ant1_2480



Date: 6.JUN.2026 22:26:08

Appendix C: Maximum conducted output power

Test Result Peak

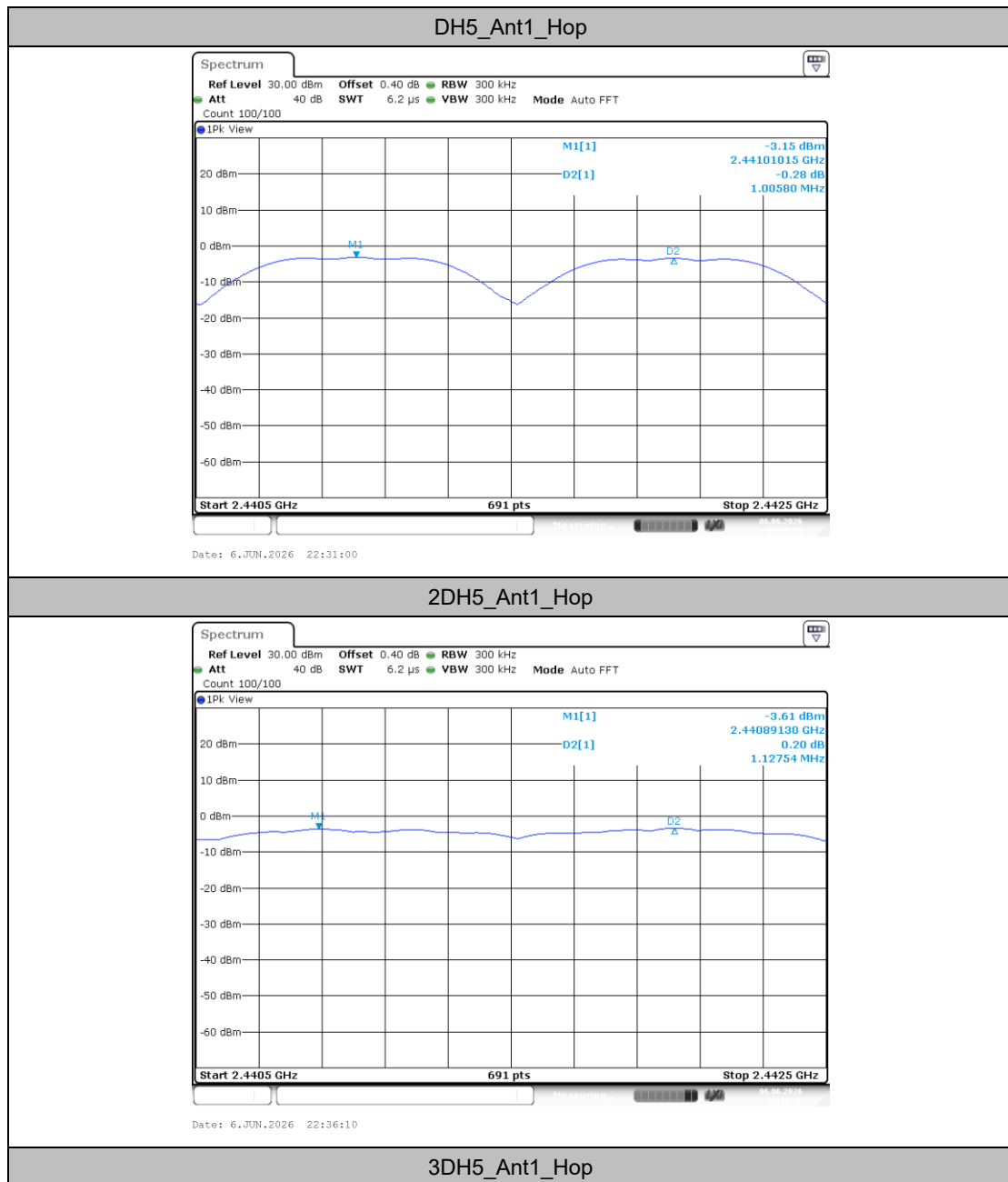
Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.45	≤20.97	PASS
		2441	0.36	≤20.97	PASS
		2480	0.28	≤20.97	PASS
2DH5	Ant1	2402	-0.52	≤20.97	PASS
		2441	-0.61	≤20.97	PASS
		2480	-0.68	≤20.97	PASS
3DH5	Ant1	2402	-0.40	≤20.97	PASS
		2441	-0.77	≤20.97	PASS
		2480	-1.08	≤20.97	PASS

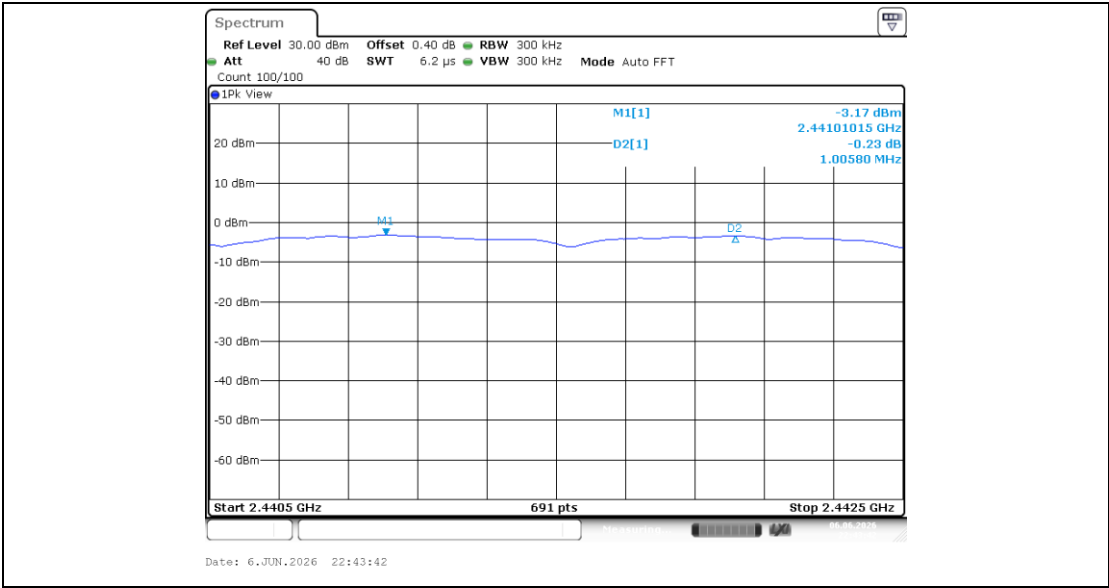
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.006	≥ 0.950	PASS
2DH5	Ant1	Hop	1.128	≥ 0.860	PASS
3DH5	Ant1	Hop	1.006	≥ 0.860	PASS

Test Graphs



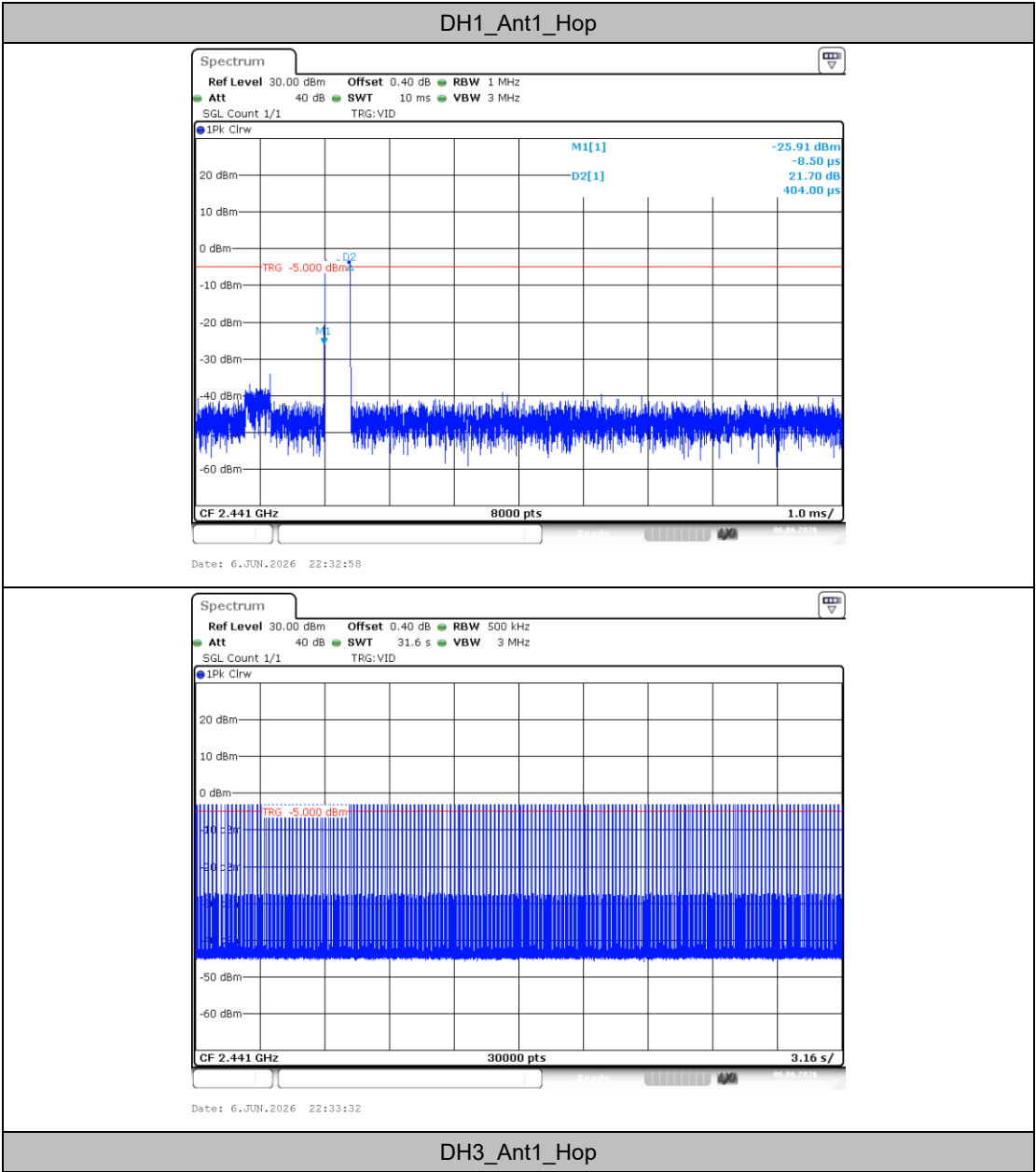


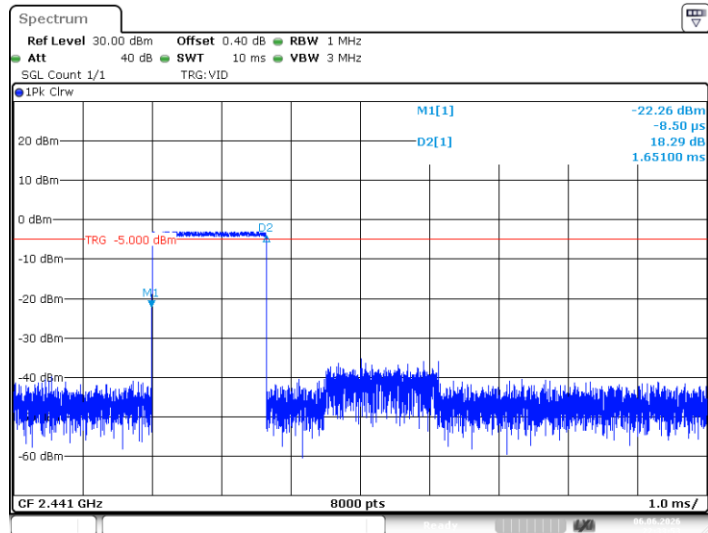
Appendix E: Time of occupancy

Test Result

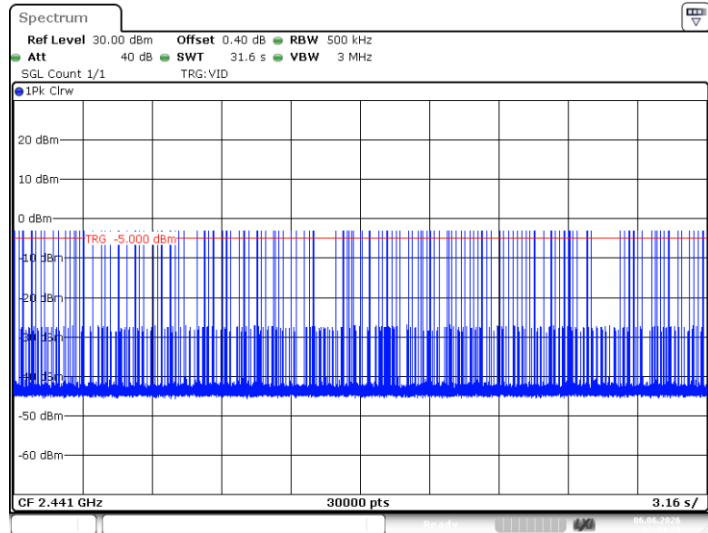
TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.404	318	0.128	≤0.4	PASS
DH3	Ant1	Hop	1.651	159	0.263	≤0.4	PASS
DH5	Ant1	Hop	2.893	98	0.284	≤0.4	PASS
2DH1	Ant1	Hop	0.414	320	0.132	≤0.4	PASS
2DH3	Ant1	Hop	1.658	170	0.282	≤0.4	PASS
2DH5	Ant1	Hop	2.897	110	0.319	≤0.4	PASS
3DH1	Ant1	Hop	0.414	319	0.132	≤0.4	PASS
3DH3	Ant1	Hop	1.655	166	0.275	≤0.4	PASS
3DH5	Ant1	Hop	2.899	106	0.307	≤0.4	PASS

Test Graphs



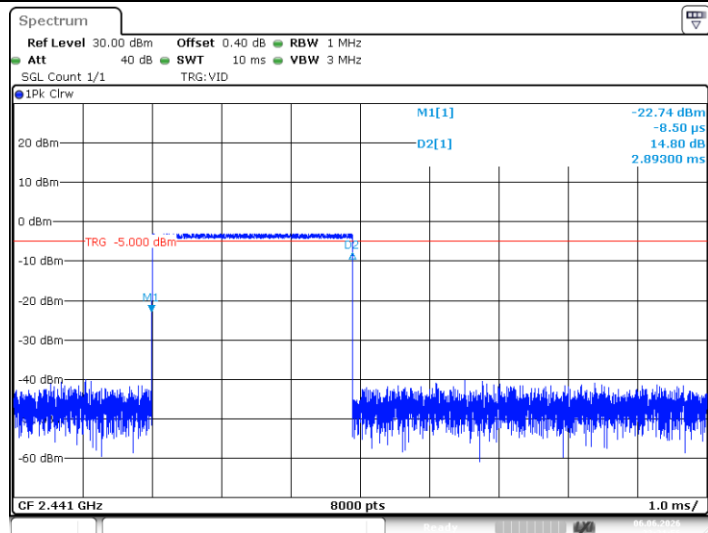


Date: 6.JUN.2026 22:33:54

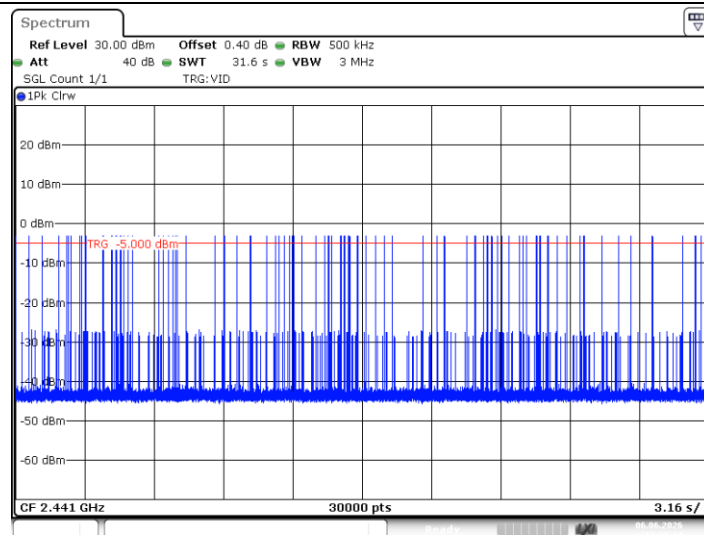


Date: 6.JUN.2026 22:34:28

DH5_Ant1_Hop

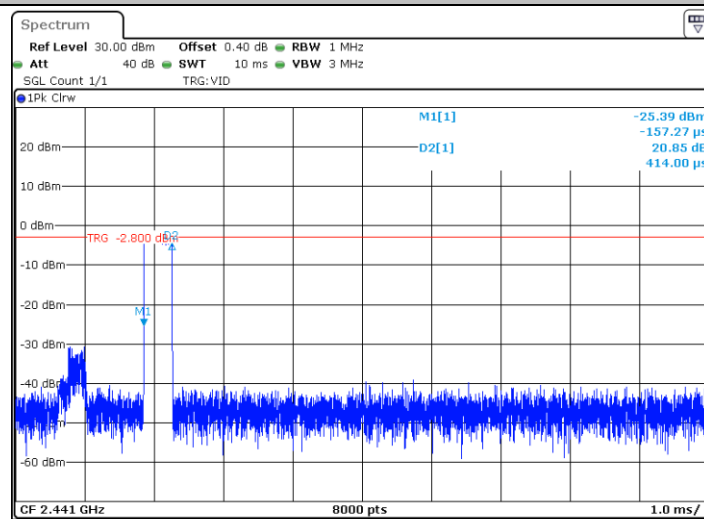


Date: 6.JUN.2026 22:31:56

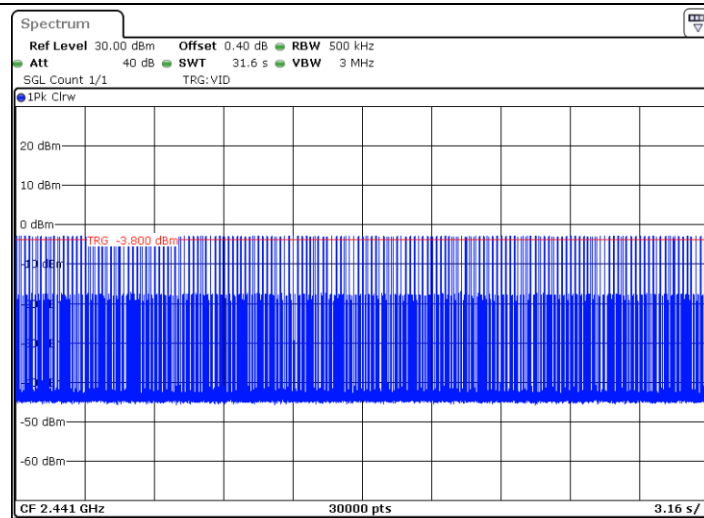


Date: 6.JUN.2026 22:32:33

2DH1_Ant1_Hop

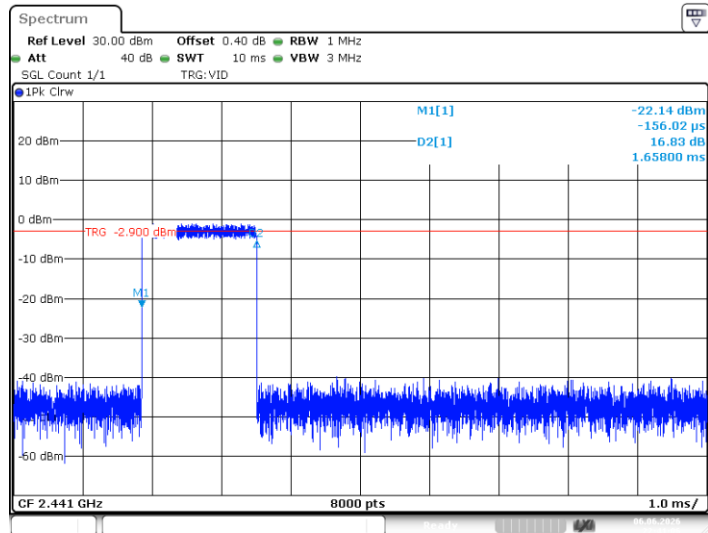


Date: 6.JUN.2026 22:39:18

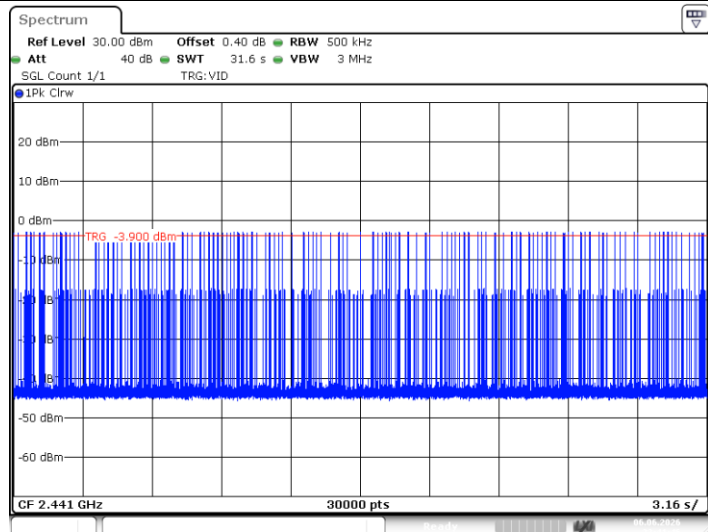


Date: 6.JUN.2026 22:39:58

2DH3_Ant1_Hop

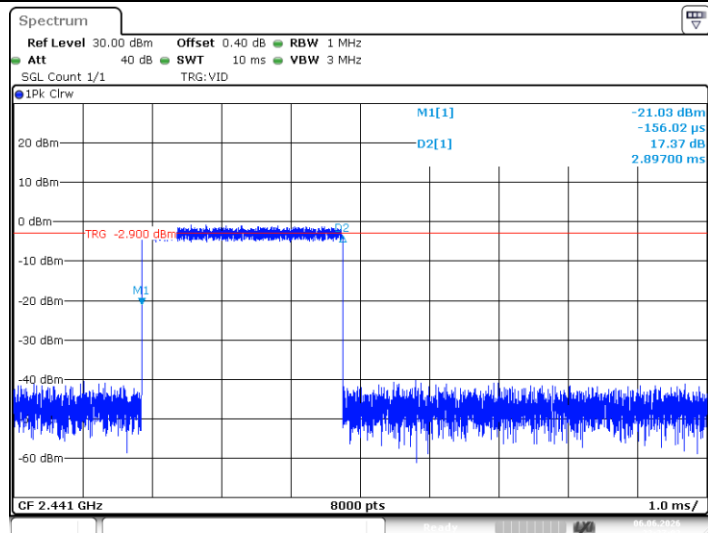


Date: 6.JUN.2026 22:41:06

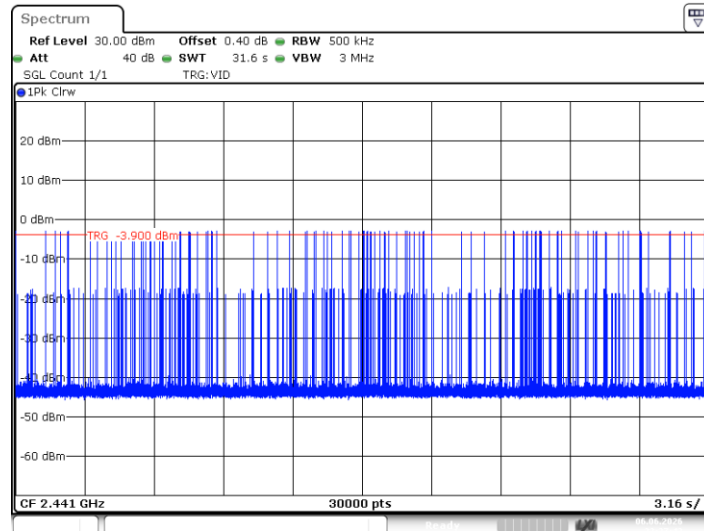


Date: 6.JUN.2026 22:41:46

2DH5_Ant1_Hop

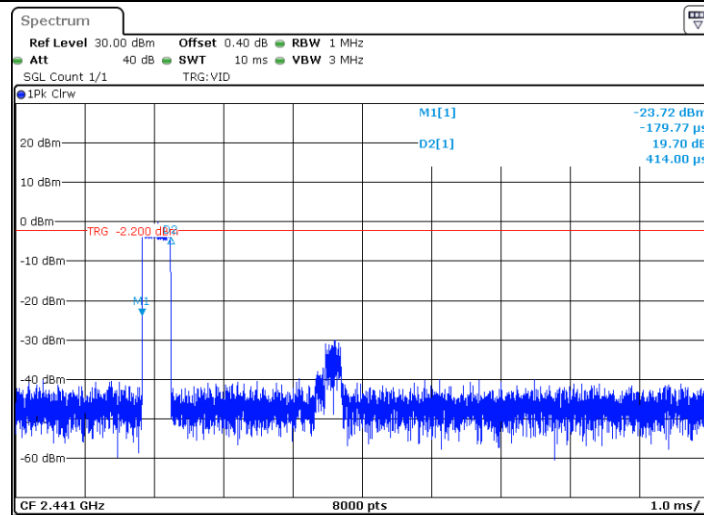


Date: 6.JUN.2026 22:37:02

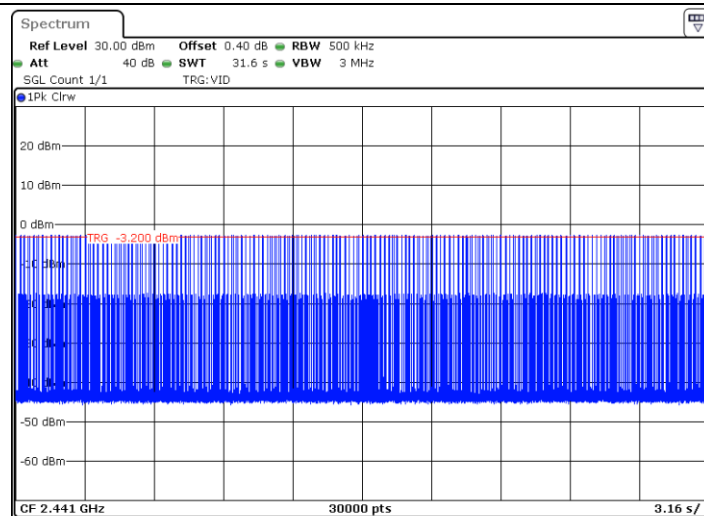


Date: 6.JUN.2026 22:37:43

3DH1_Ant1_Hop

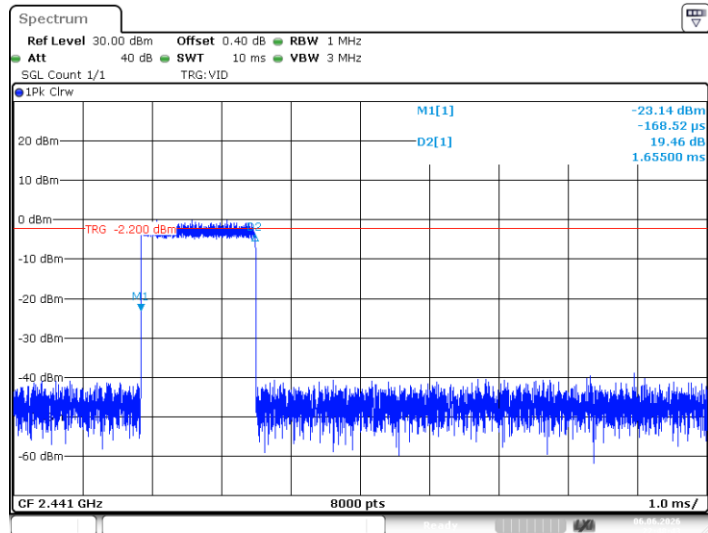


Date: 6.JUN.2026 22:47:11

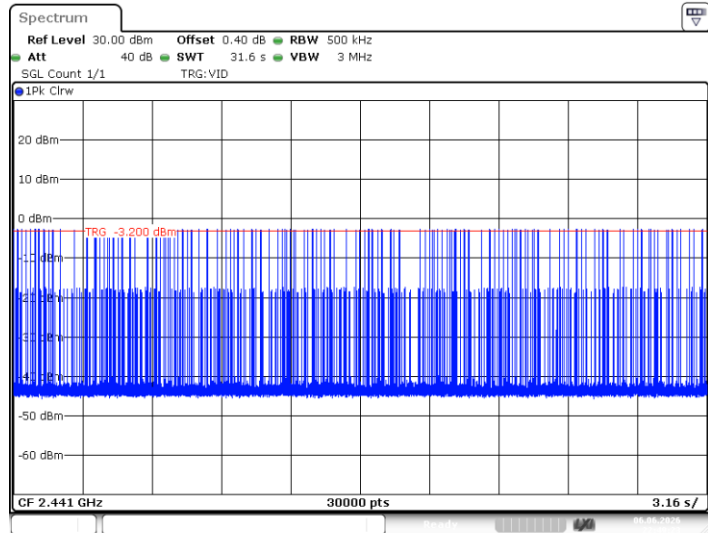


Date: 6.JUN.2026 22:47:51

3DH3_Ant1_Hop

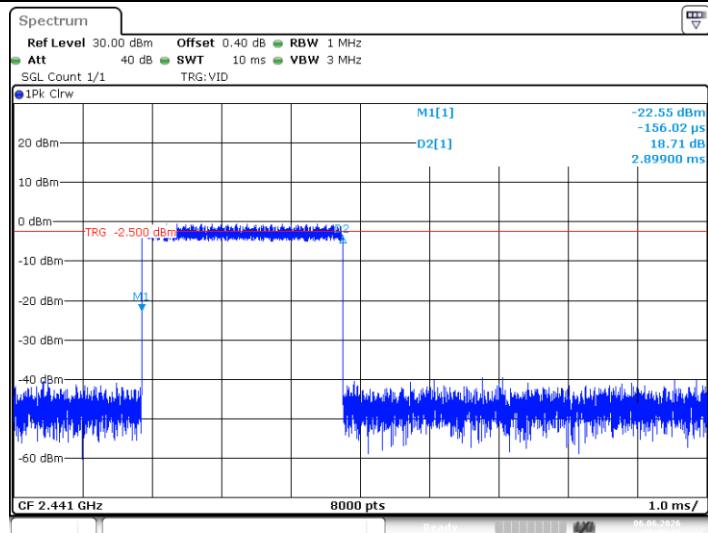


Date: 6.JUN.2026 22:48:43

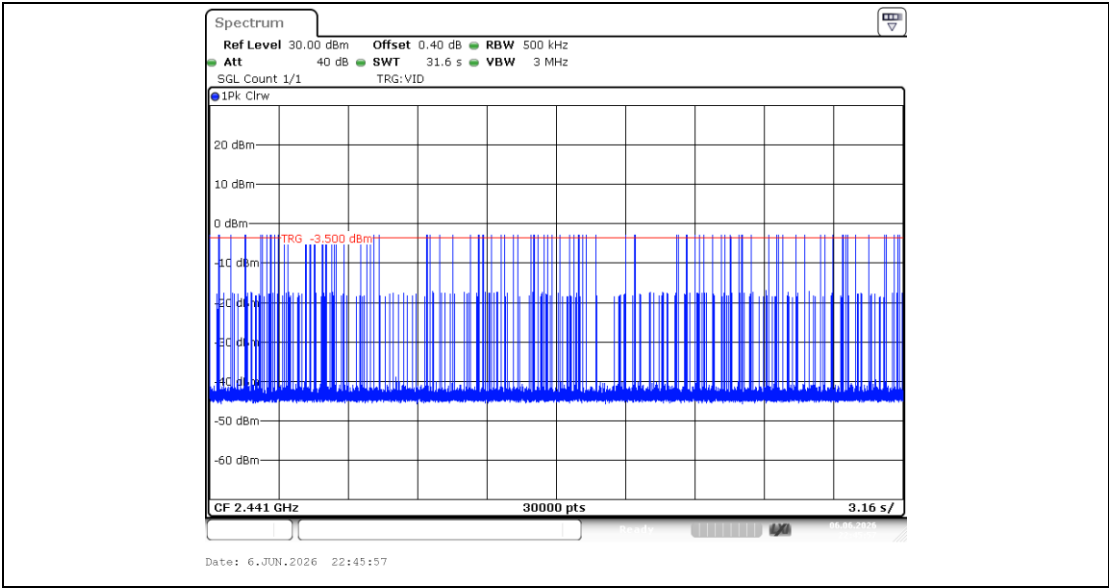


Date: 6.JUN.2026 22:49:23

3DH5_Ant1_Hop



Date: 6.JUN.2026 22:45:17

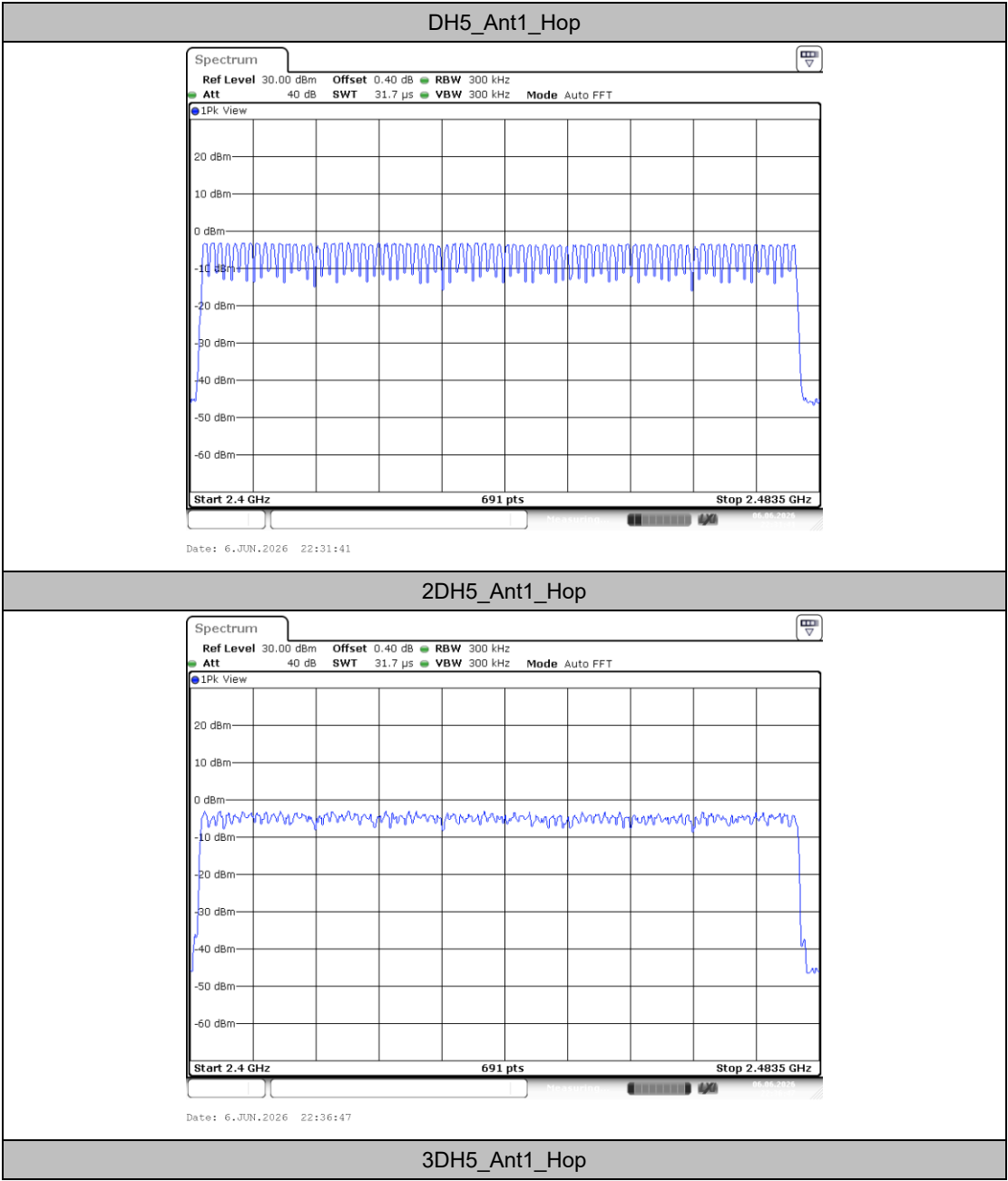


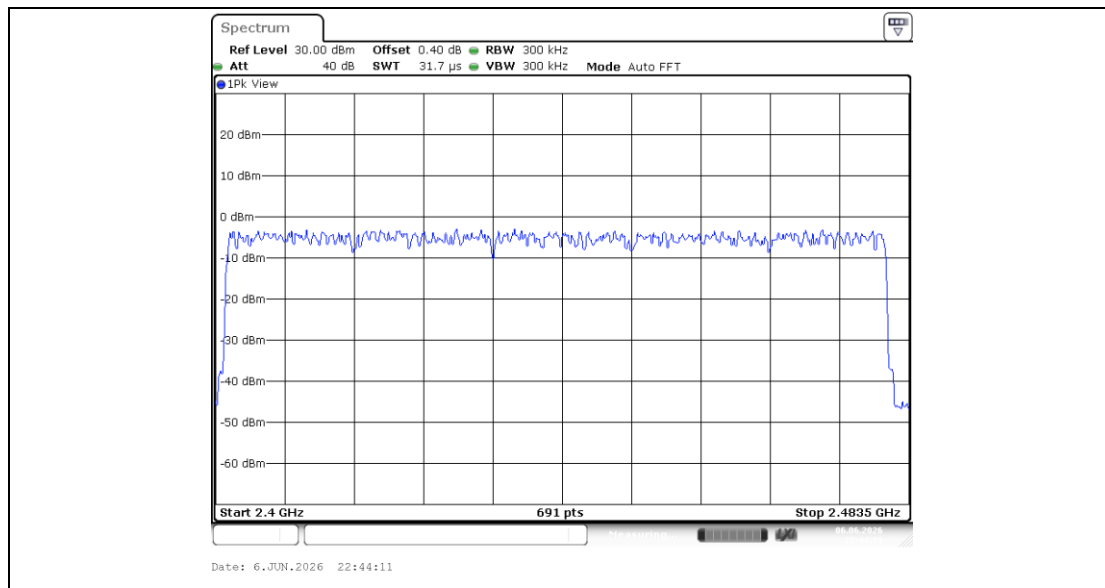
Appendix F: Number of hopping channels

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



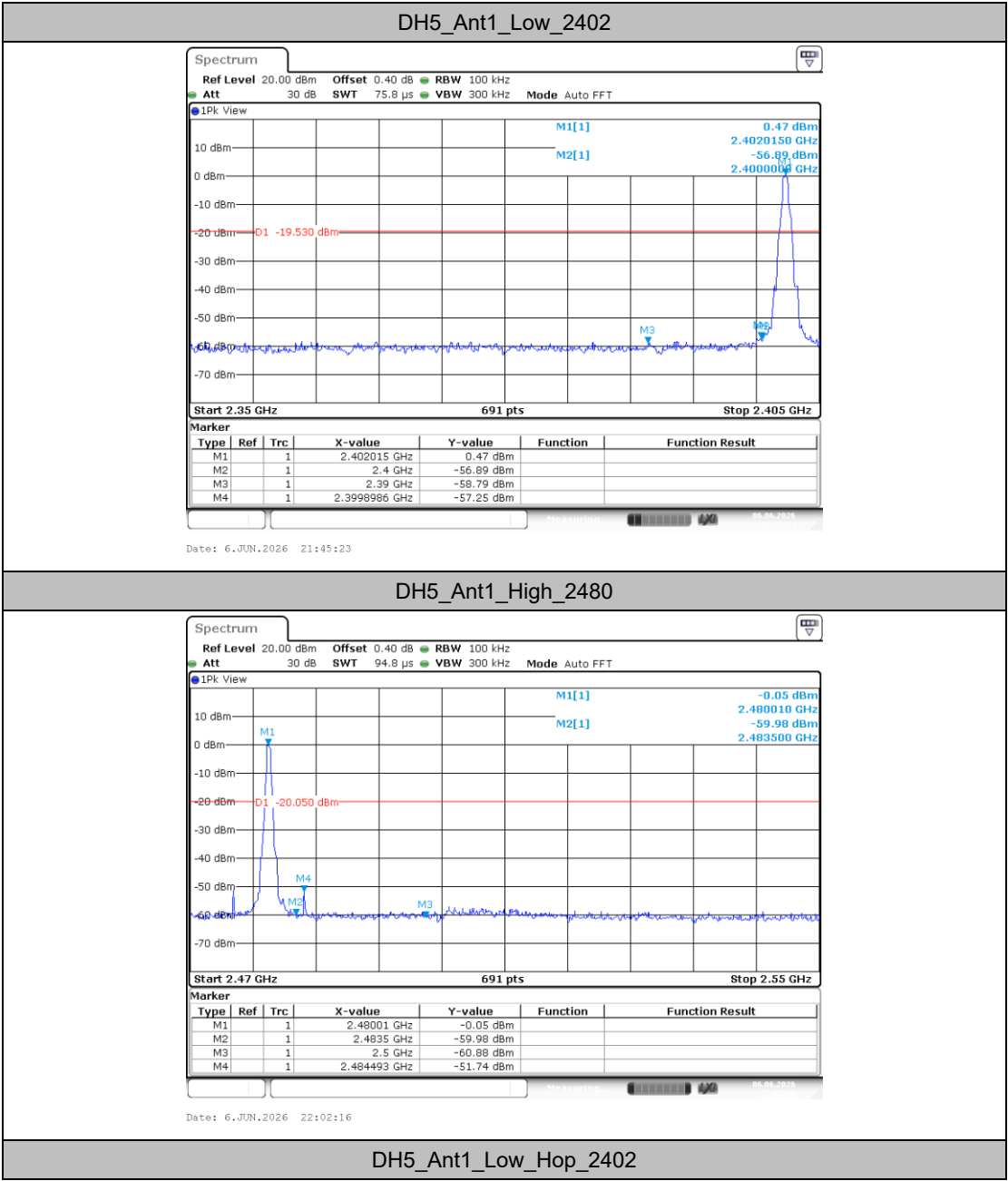


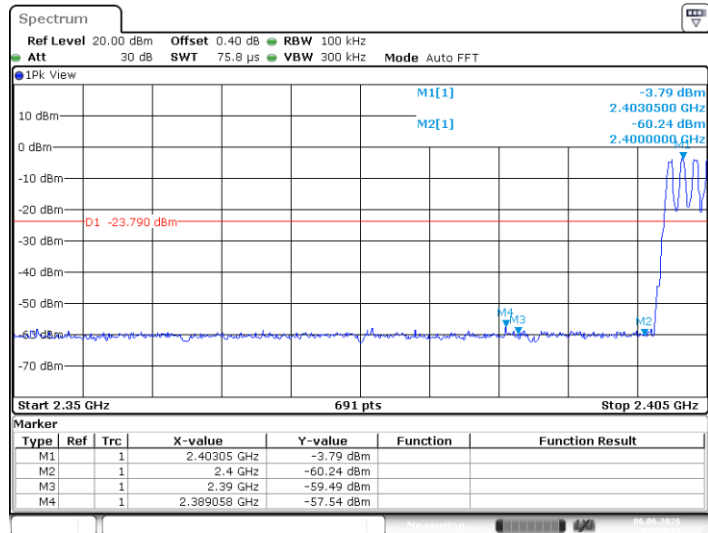
Appendix G: Band edge measurements

Test Result

TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.47	-57.25	≤-19.53	PASS
		High	2480	-0.05	-51.74	≤-20.05	PASS
		Low	Hop_2402	-3.79	-57.54	≤-23.79	PASS
		High	Hop_2480	-4.09	-56.62	≤-24.09	PASS
2DH5	Ant1	Low	2402	-3.00	-55.18	≤-23	PASS
		High	2480	-4.35	-56.69	≤-24.35	PASS
		Low	Hop_2402	-2.98	-56.34	≤-22.98	PASS
		High	Hop_2480	-3.29	-56.73	≤-23.29	PASS
3DH5	Ant1	Low	2402	-3.65	-57.37	≤-23.65	PASS
		High	2480	-3.95	-56.78	≤-23.95	PASS
		Low	Hop_2402	-3.54	-55.33	≤-23.54	PASS
		High	Hop_2480	-3.94	-57.19	≤-23.94	PASS

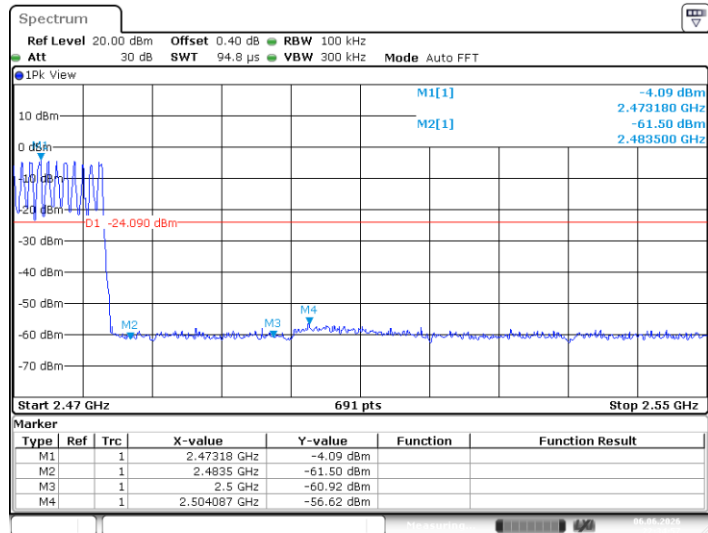
Test Graphs





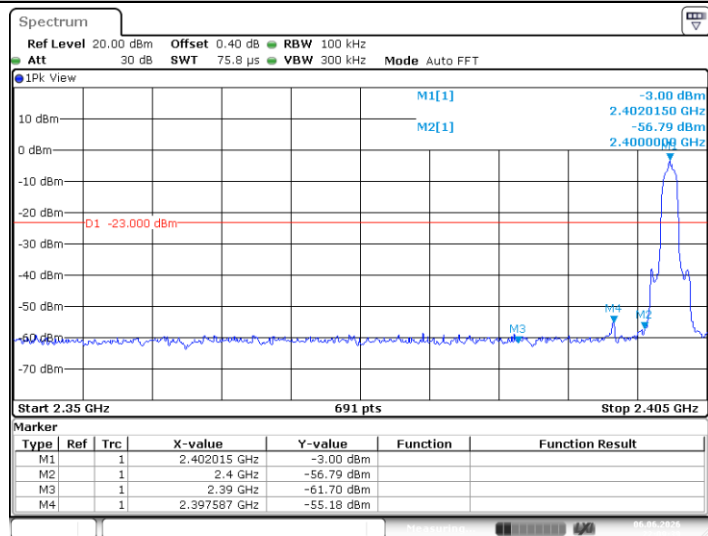
Date: 6.JUN.2026 22:30:33

DH5_Ant1_High_Hop_2480



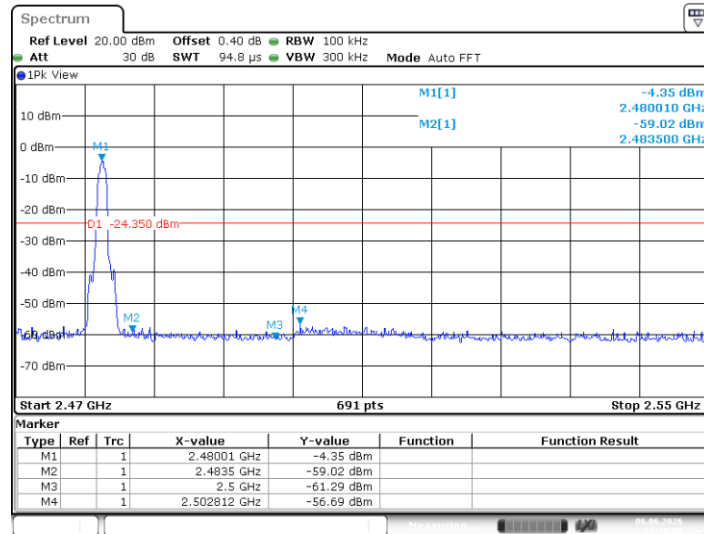
Date: 6.JUN.2026 22:34:56

2DH5_Ant1_Low_2402



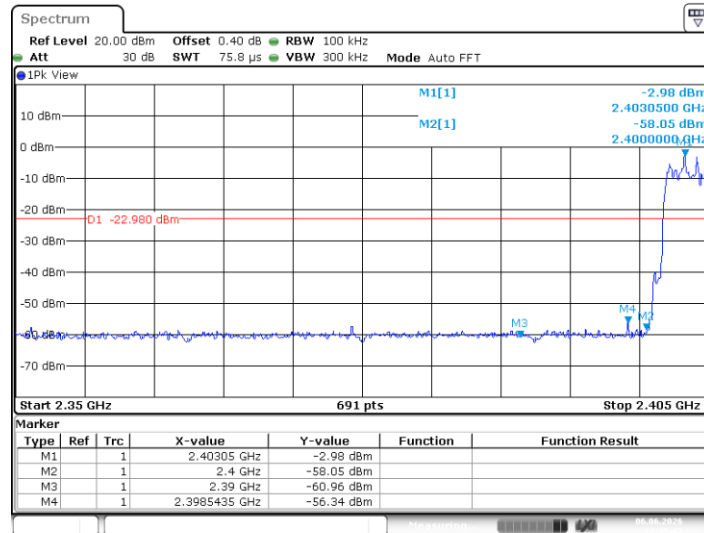
Date: 6.JUN.2026 22:09:39

2DH5_Ant1_High_2480



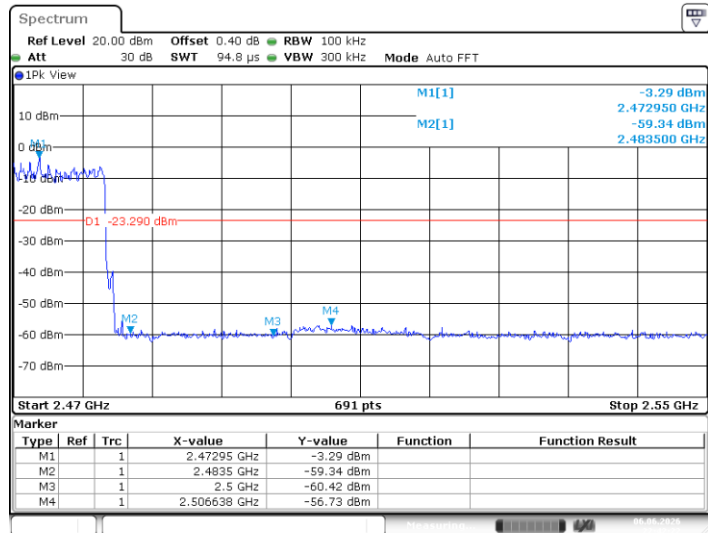
Date: 6.JUN.2026 22:18:08

2DH5_Ant1_Low_Hop_2402



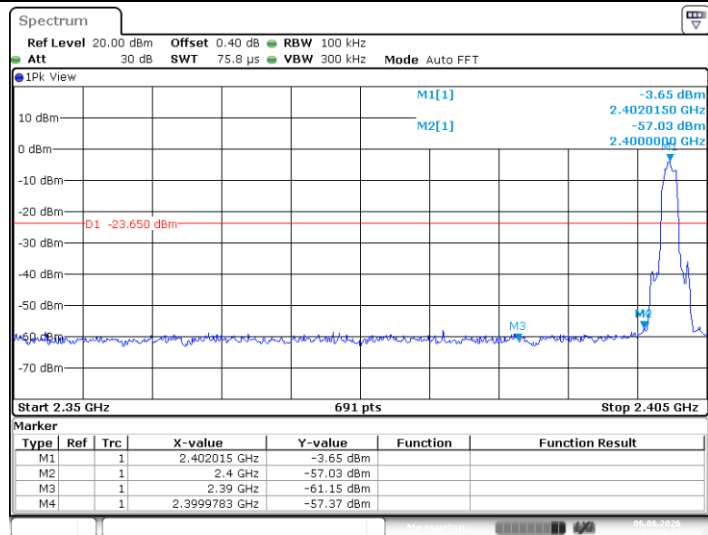
Date: 6.JUN.2026 22:35:42

2DH5_Ant1_High_Hop_2480



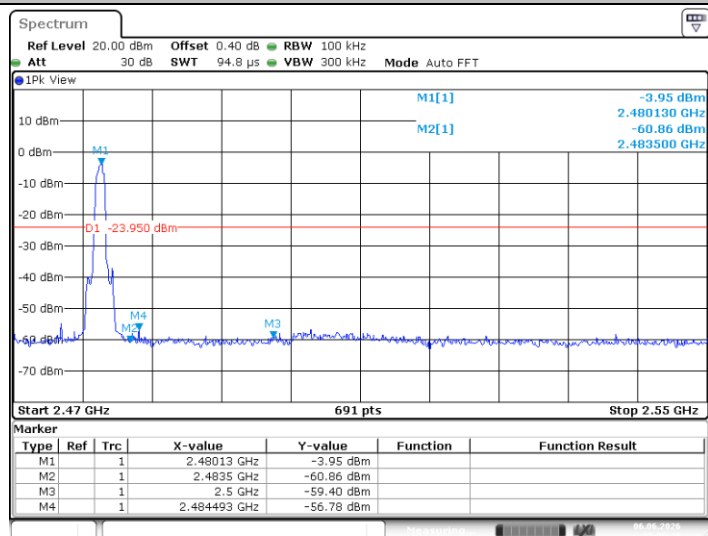
Date: 6.JUN.2026 22:42:22

3DH5_Ant1_Low_2402



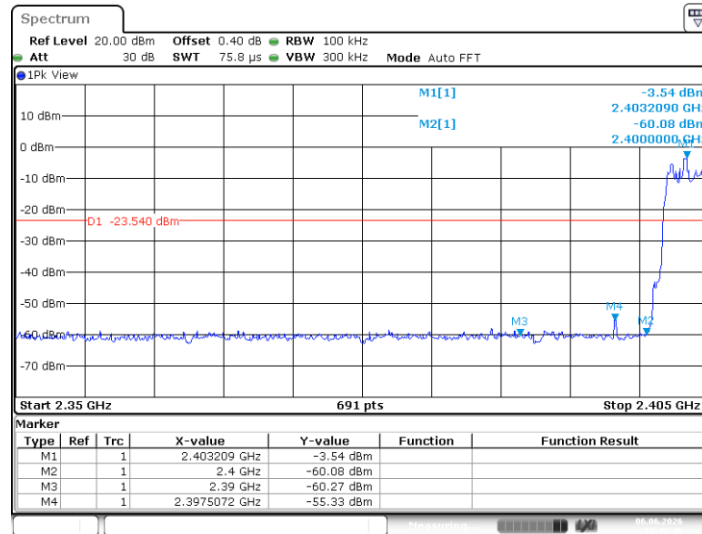
Date: 6.JUN.2026 22:21:24

3DH5_Ant1_High_2480



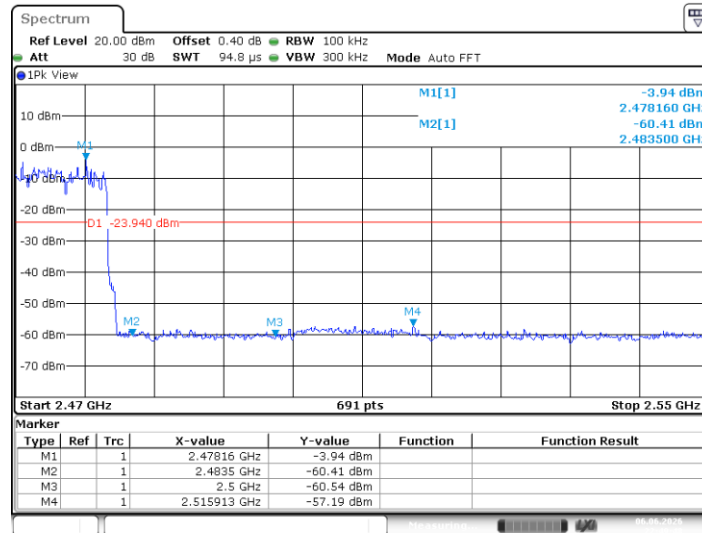
Date: 6.JUN.2026 22:26:19

3DH5_Ant1_Low_Hop_2402



Date: 6.JUN.2026 22:42:47

3DH5_Ant1_High_Hop_2480



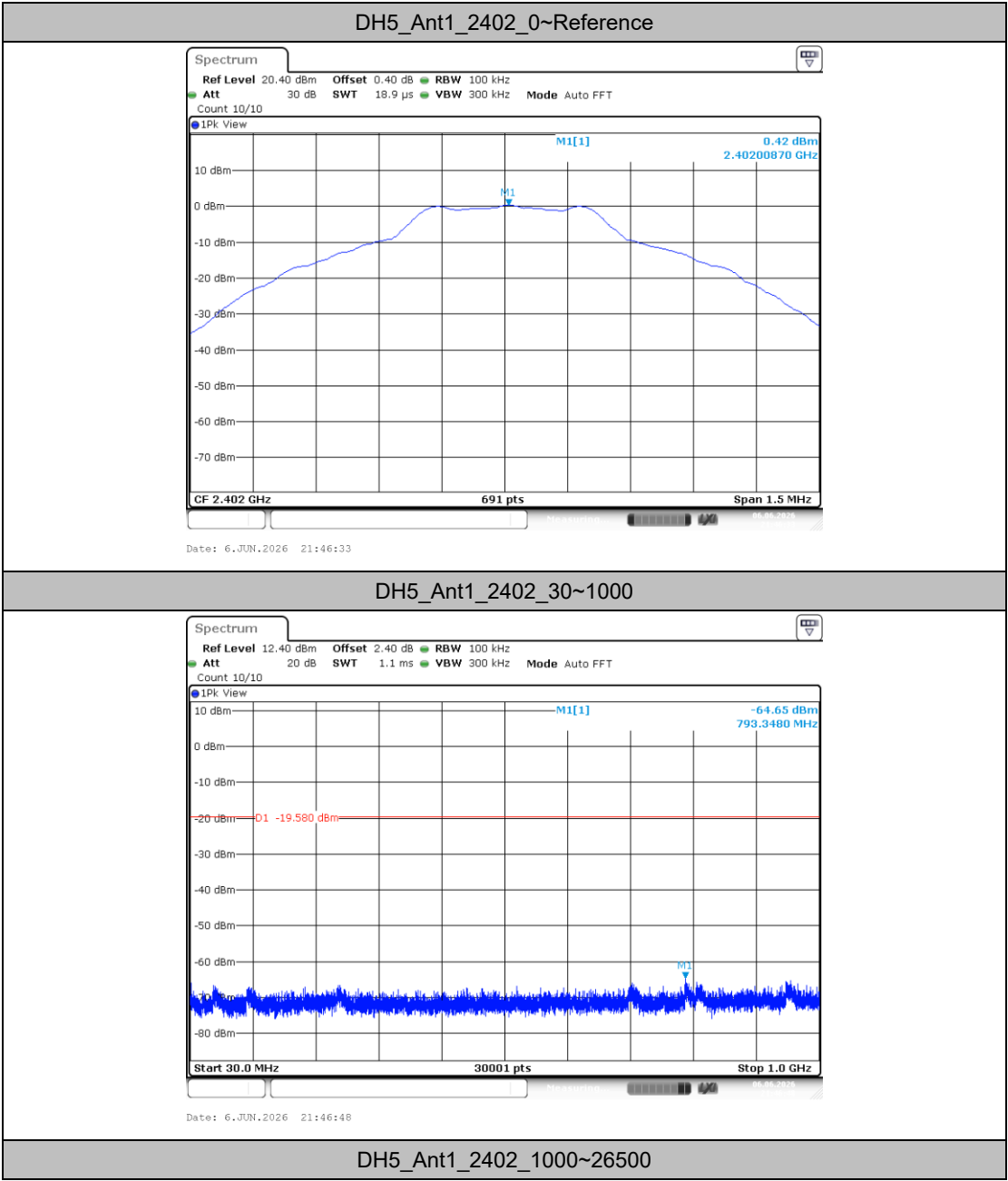
Date: 6.JUN.2026 22:49:48

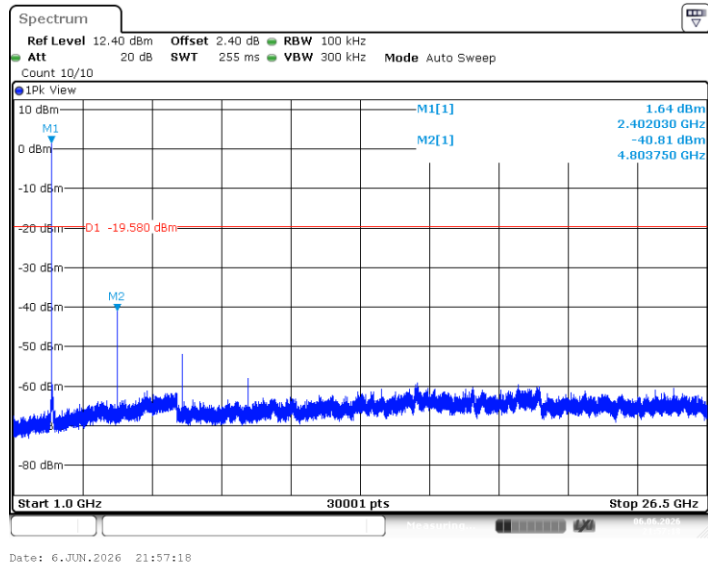
Appendix H: Conducted Spurious Emission

Test Result

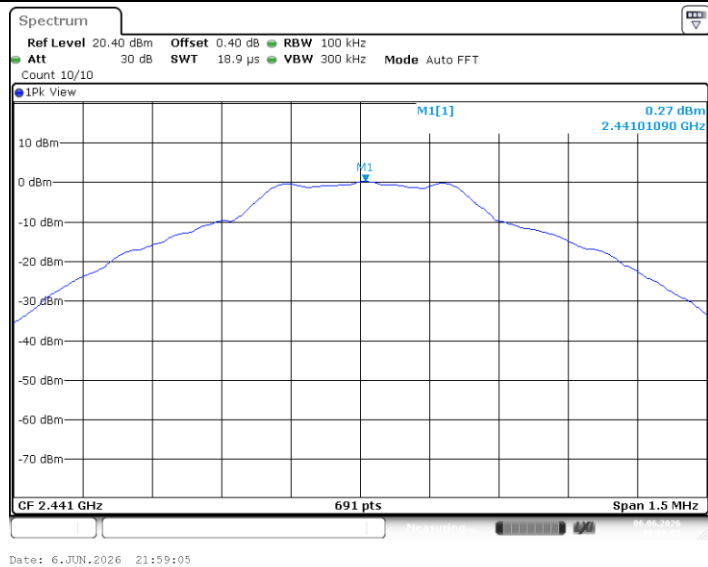
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	0.42	0.42	---	PASS
			30~1000	0.42	-64.65	≤-19.58	PASS
			1000~26500	0.42	-40.81	≤-19.58	PASS
		2441	Reference	0.27	0.27	---	PASS
			30~1000	0.27	-64.27	≤-19.73	PASS
			1000~26500	0.27	-42.09	≤-19.73	PASS
		2480	Reference	0.06	0.06	---	PASS
			30~1000	0.06	-64.15	≤-19.94	PASS
			1000~26500	0.06	-42.47	≤-19.94	PASS
2DH5	Ant1	2402	Reference	-3.05	-3.05	---	PASS
			30~1000	-3.05	-65.13	≤-23.05	PASS
			1000~26500	-3.05	-48.07	≤-23.05	PASS
		2441	Reference	-3.22	-3.22	---	PASS
			30~1000	-3.22	-65.06	≤-23.22	PASS
			1000~26500	-3.22	-45.87	≤-23.22	PASS
		2480	Reference	-3.45	-3.45	---	PASS
			30~1000	-3.45	-65.13	≤-23.45	PASS
			1000~26500	-3.45	-45.98	≤-23.45	PASS
3DH5	Ant1	2402	Reference	-3.07	-3.07	---	PASS
			30~1000	-3.07	-63.87	≤-23.07	PASS
			1000~26500	-3.07	-47.94	≤-23.07	PASS
		2441	Reference	-3.20	-3.20	---	PASS
			30~1000	-3.20	-63.55	≤-23.2	PASS
			1000~26500	-3.20	-49.22	≤-23.2	PASS
		2480	Reference	-3.44	-3.44	---	PASS
			30~1000	-3.44	-64.37	≤-23.44	PASS
			1000~26500	-3.44	-48.28	≤-23.44	PASS

Test Graphs

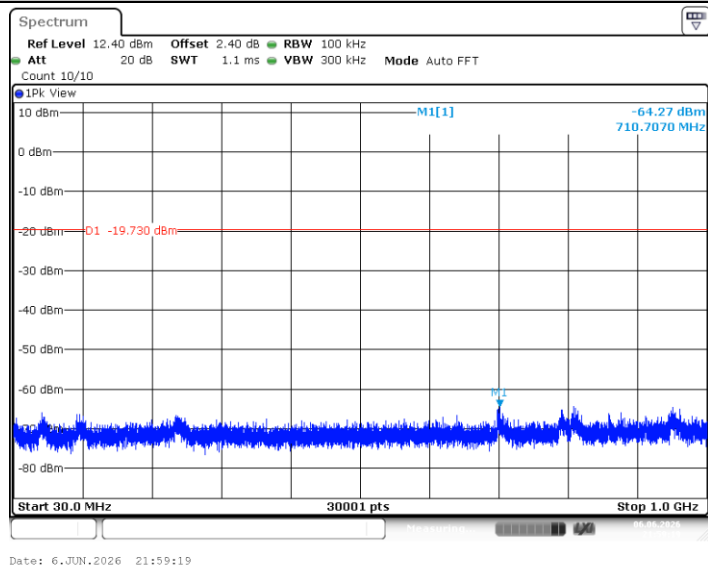




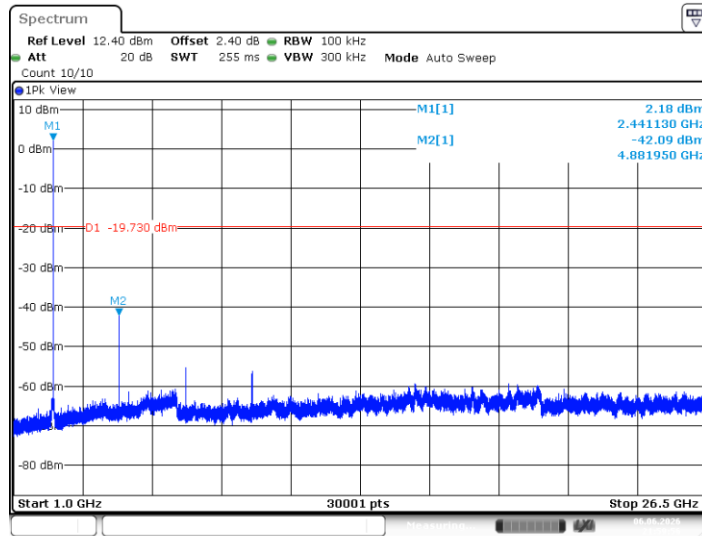
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000

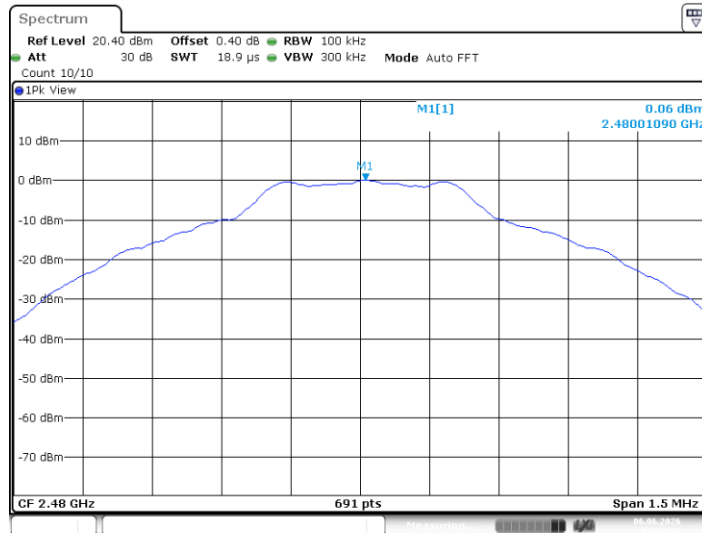


DH5_Ant1_2441_1000~26500



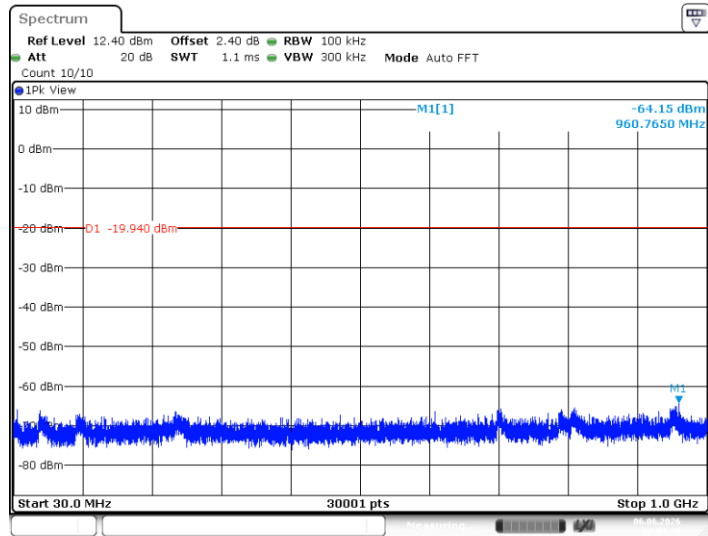
Date: 6.JUN.2026 21:59:56

DH5_Ant1_2480_0~Reference



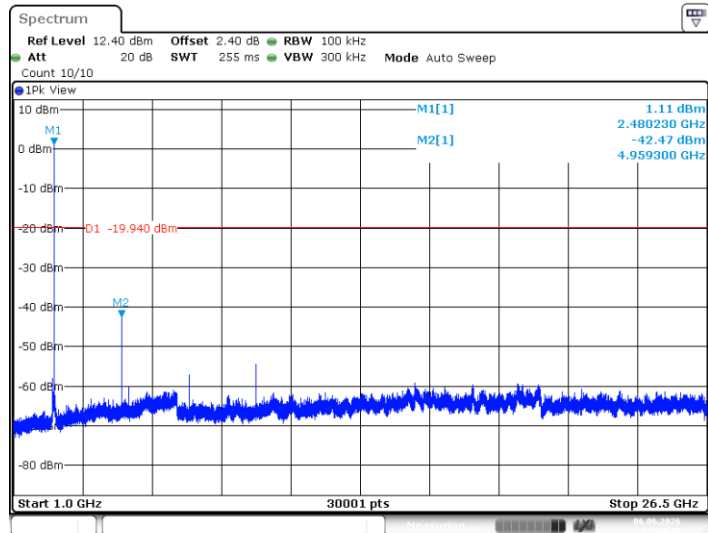
Date: 6.JUN.2026 22:03:26

DH5_Ant1_2480_30~1000



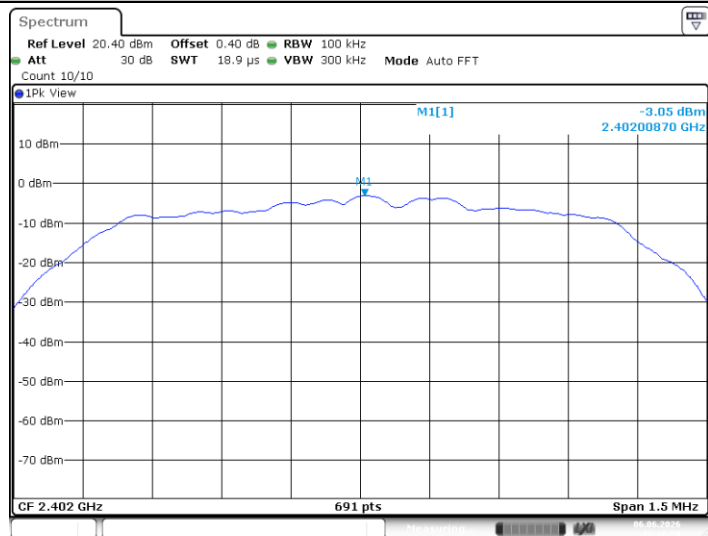
Date: 6.JUN.2026 22:03:40

DH5_Ant1_2480_1000~26500



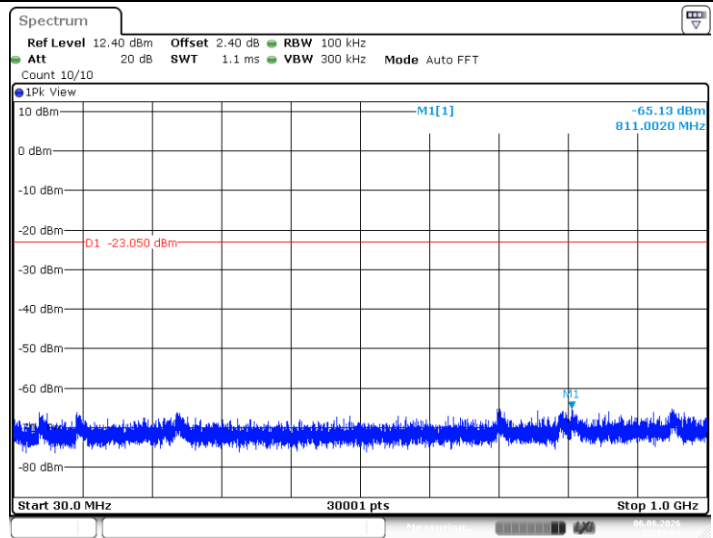
Date: 6.JUN.2026 22:04:18

2DH5_Ant1_2402_0~Reference



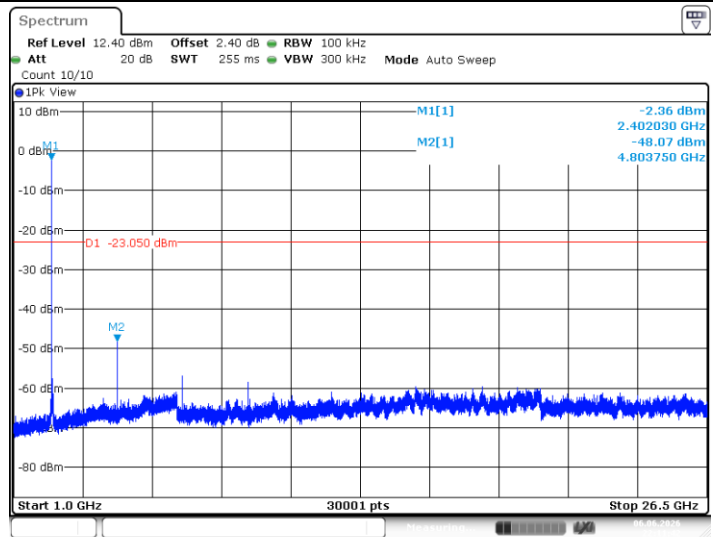
Date: 6.JUN.2026 22:10:50

2DH5_Ant1_2402_30~1000



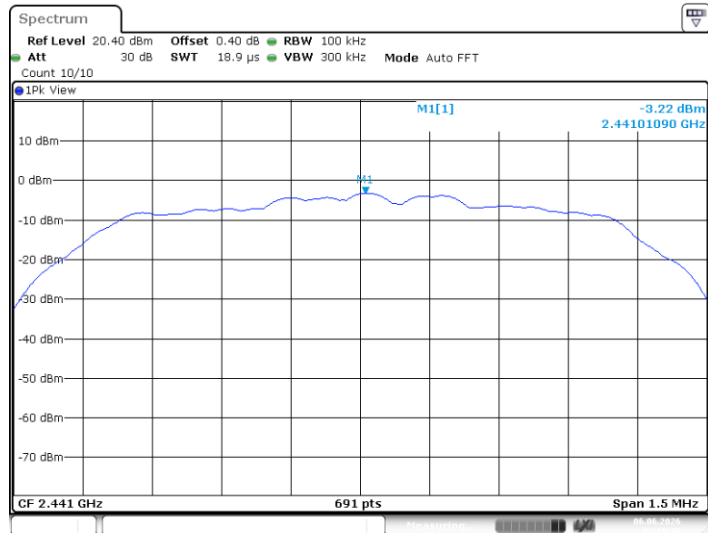
Date: 6.JUN.2026 22:11:04

2DH5_Ant1_2402_1000~26500



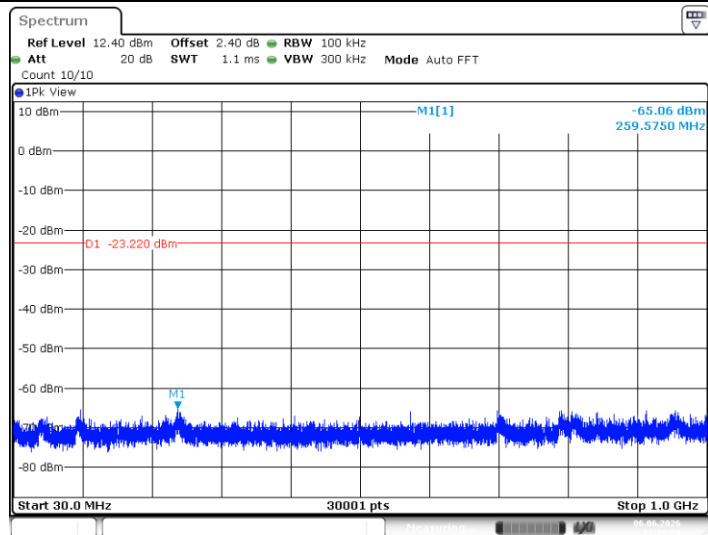
Date: 6.JUN.2026 22:11:42

2DH5_Ant1_2441_0~Reference



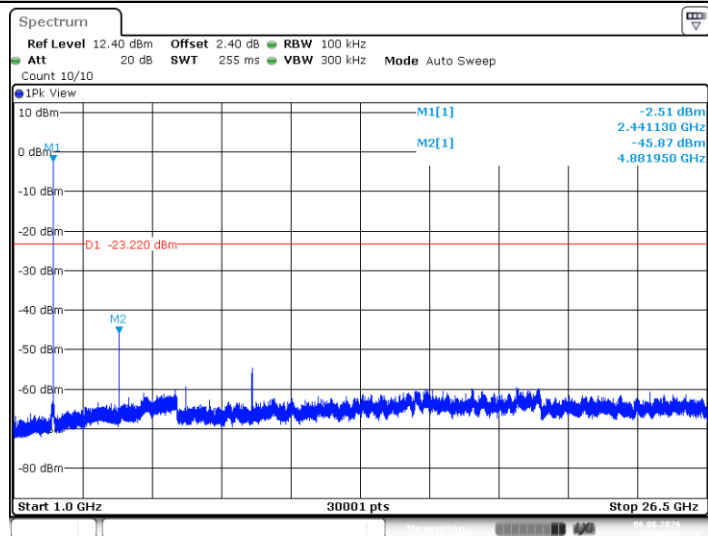
Date: 6.JUN.2026 22:15:35

2DH5_Ant1_2441_30~1000



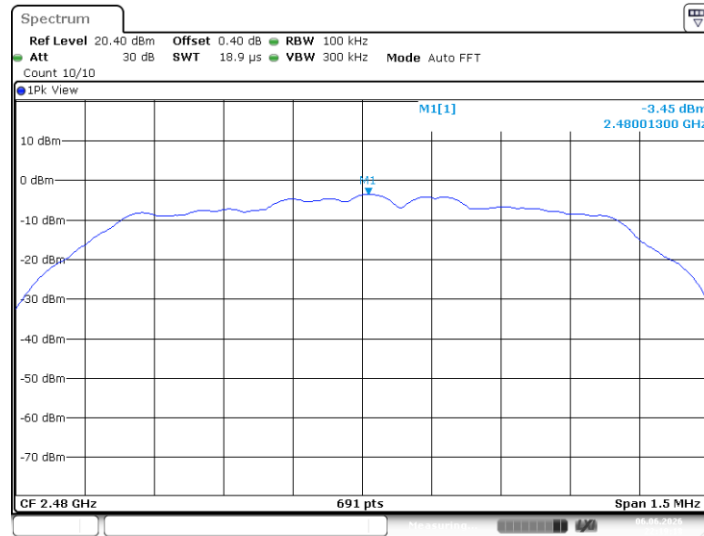
Date: 6.JUN.2026 22:15:50

2DH5_Ant1_2441_1000~26500



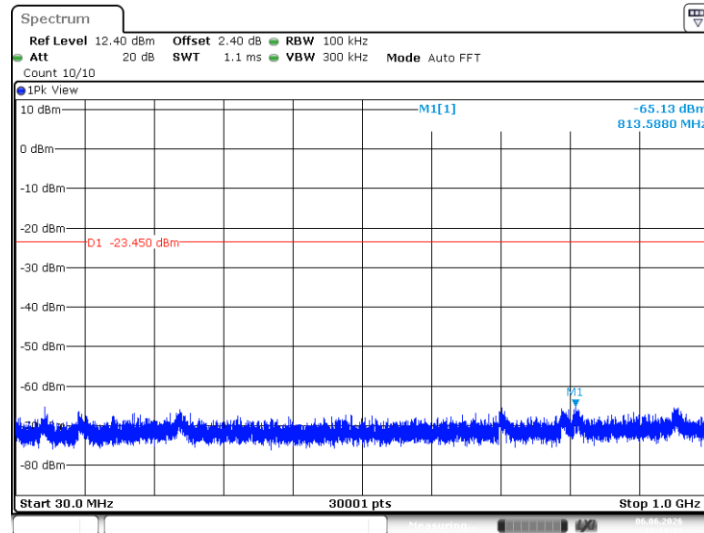
Date: 6.JUN.2026 22:16:27

2DH5_Ant1_2480_0~Reference



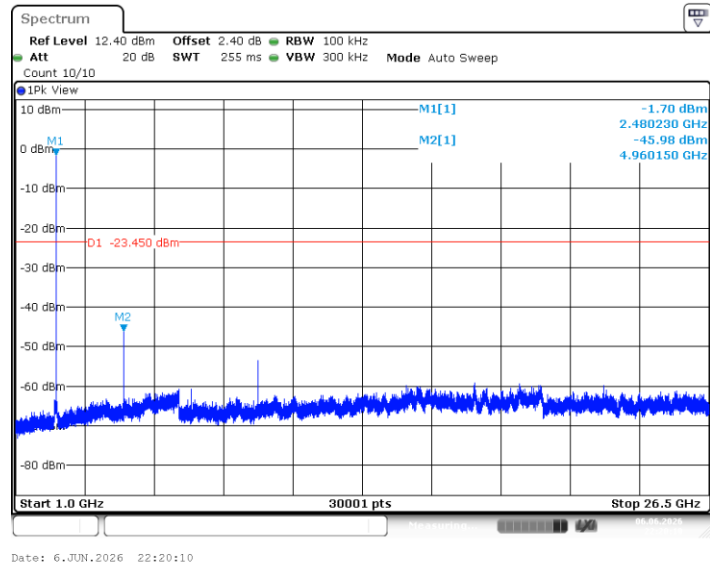
Date: 6.JUN.2026 22:19:18

2DH5_Ant1_2480_30~1000

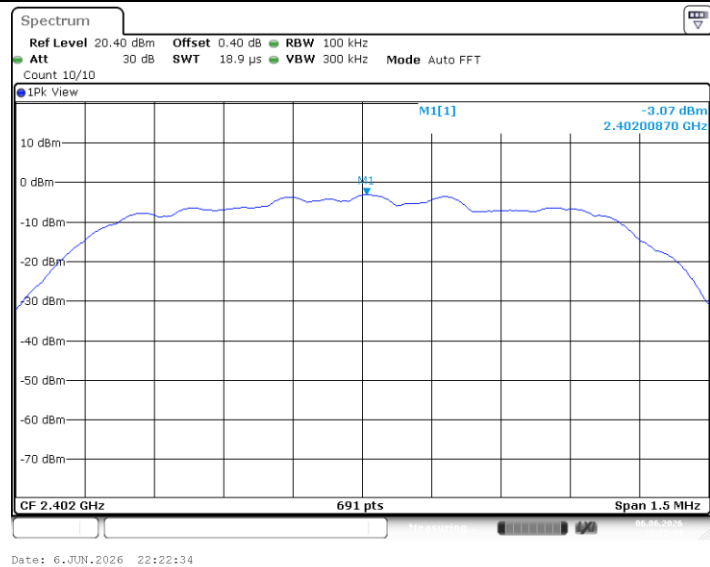


Date: 6.JUN.2026 22:19:33

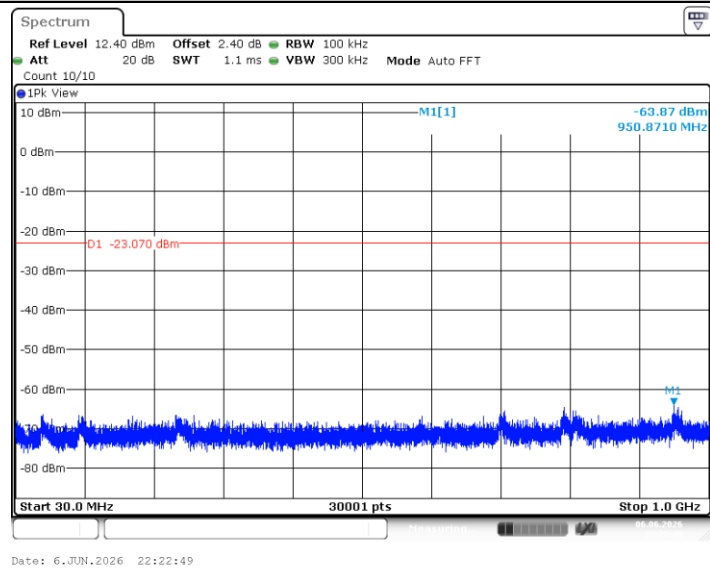
2DH5_Ant1_2480_1000~26500



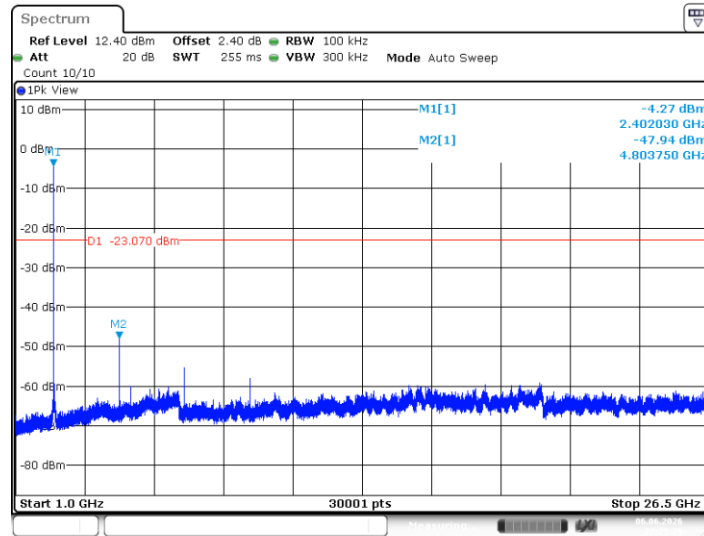
3DH5_Ant1_2402_0~Reference



3DH5_Ant1_2402_30~1000

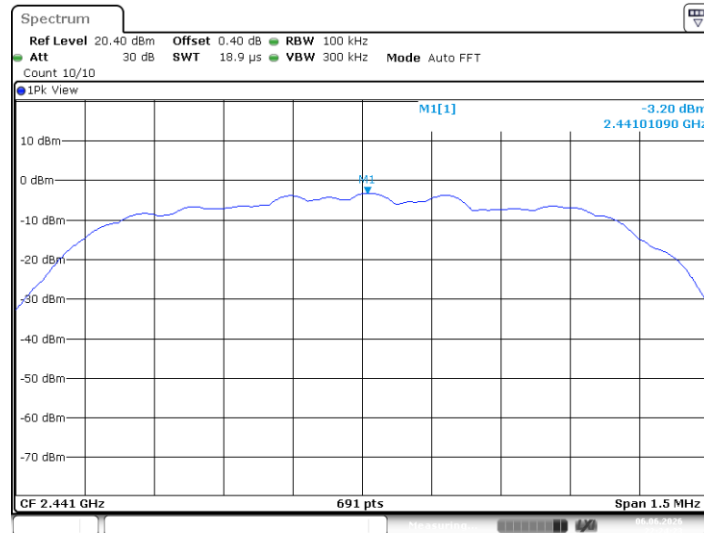


3DH5_Ant1_2402_1000~26500



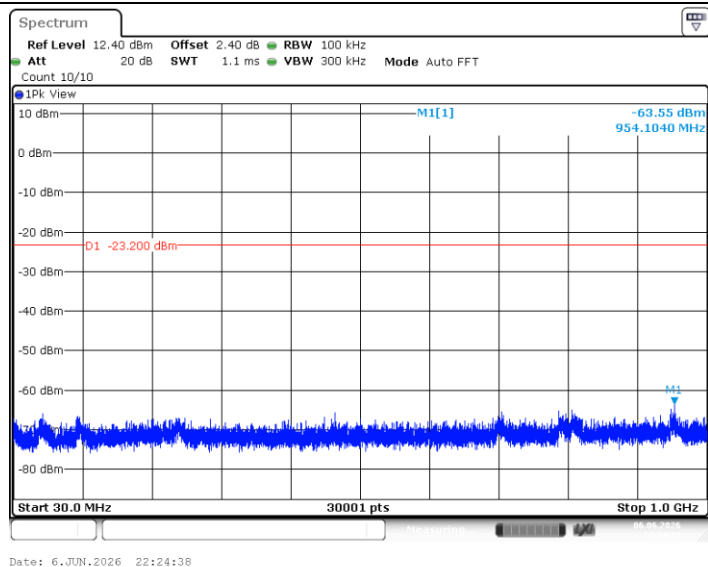
Date: 6.JUN.2026 22:23:26

3DH5_Ant1_2441_0~Reference

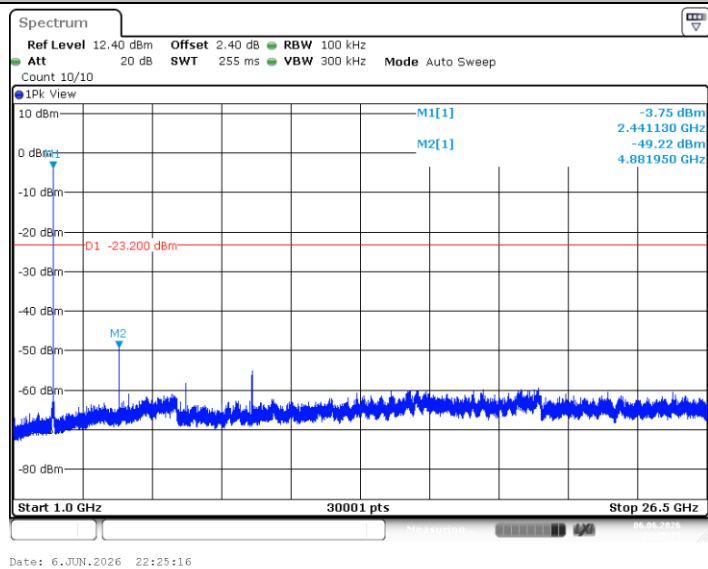


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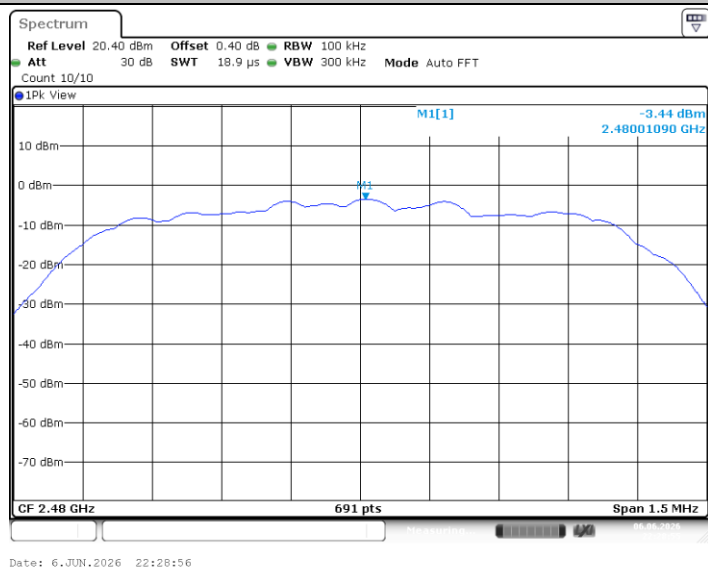
3DH5_Ant1_2441_30~1000

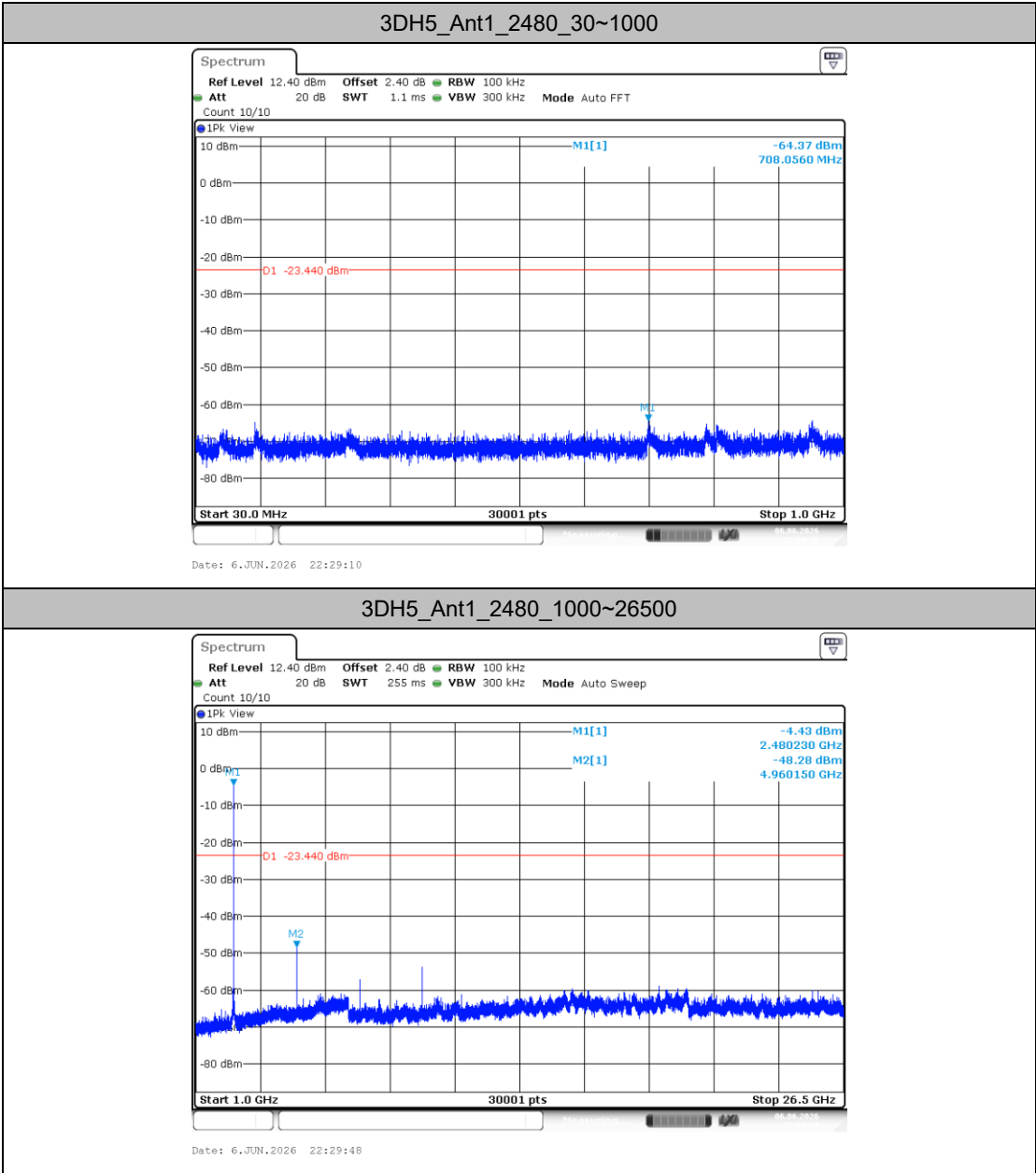


3DH5_Ant1_2441_1000~26500



3DH5_Ant1_2480_0~Reference



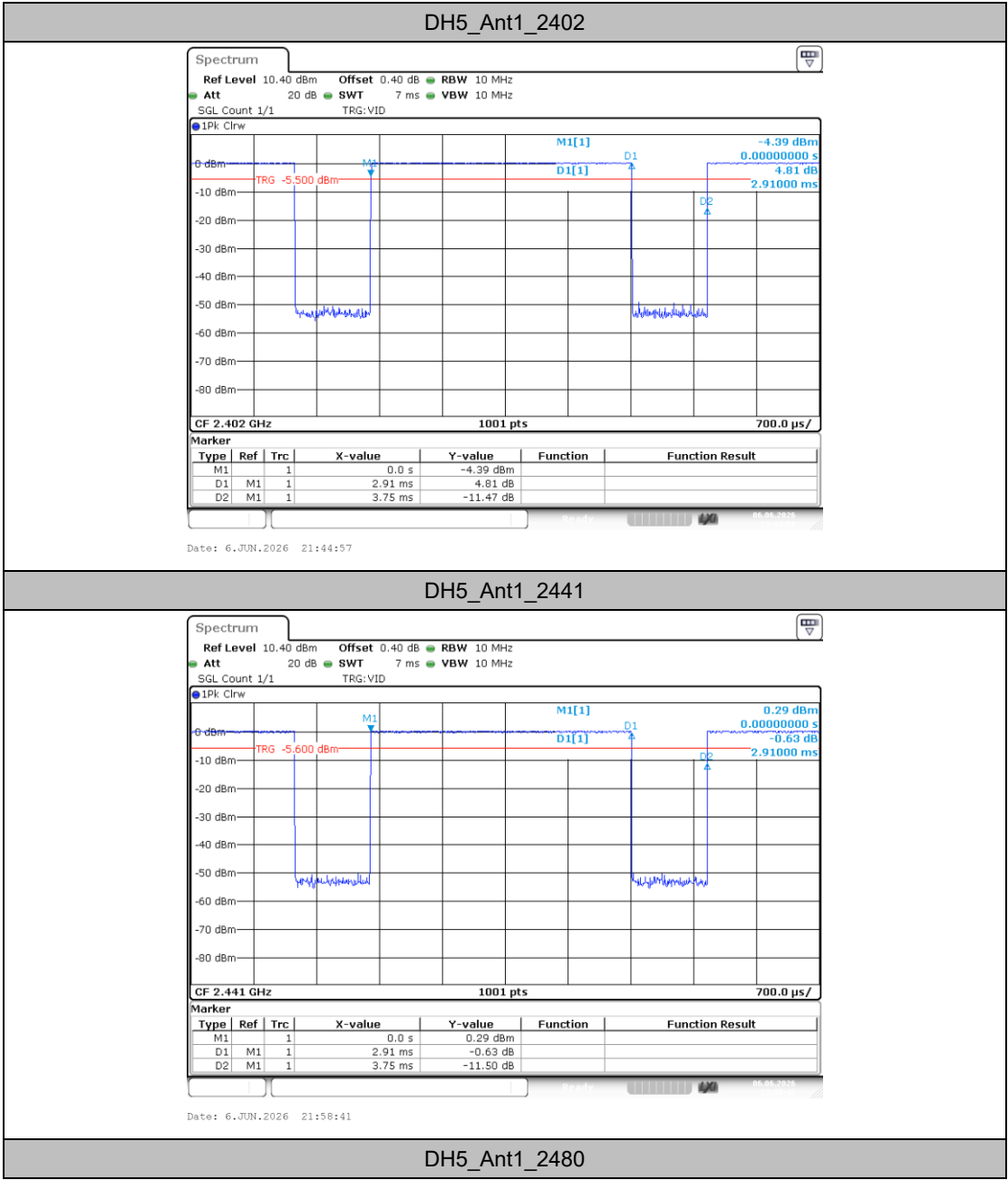


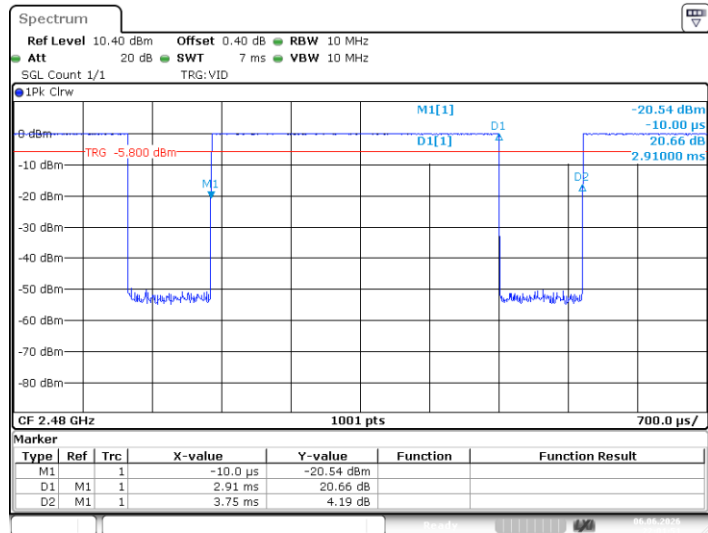
Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	ON Time [ms]	Period [ms]	DC [%]	xFactor	Limit	Verdict
DH5	Ant1	2402	2.91	3.75	77.60	1.10	---	---
		2441	2.91	3.75	77.60	1.10	---	---
		2480	2.91	3.75	77.60	1.10	---	---
2DH5	Ant1	2402	2.92	3.75	77.87	1.09	---	---
		2441	2.91	3.75	77.60	1.10	---	---
		2480	2.91	3.74	77.81	1.09	---	---
3DH5	Ant1	2402	2.92	3.74	78.07	1.08	---	---
		2441	2.92	3.75	77.87	1.09	---	---
		2480	2.92	3.76	77.66	1.10	---	---

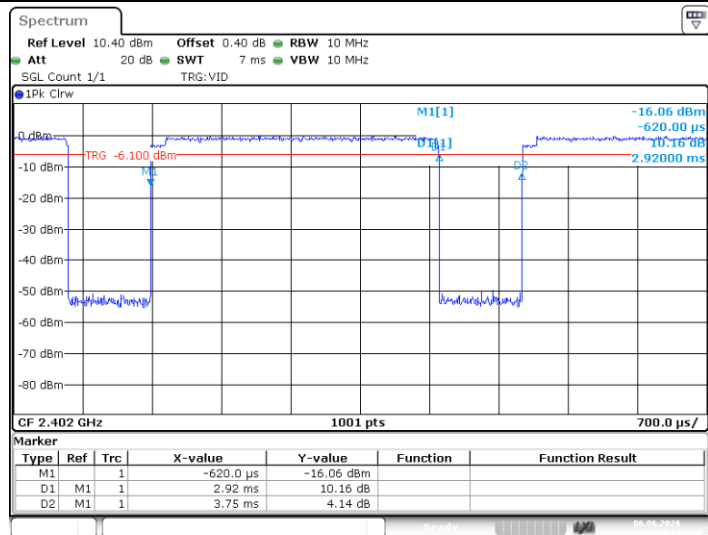
Test Graphs





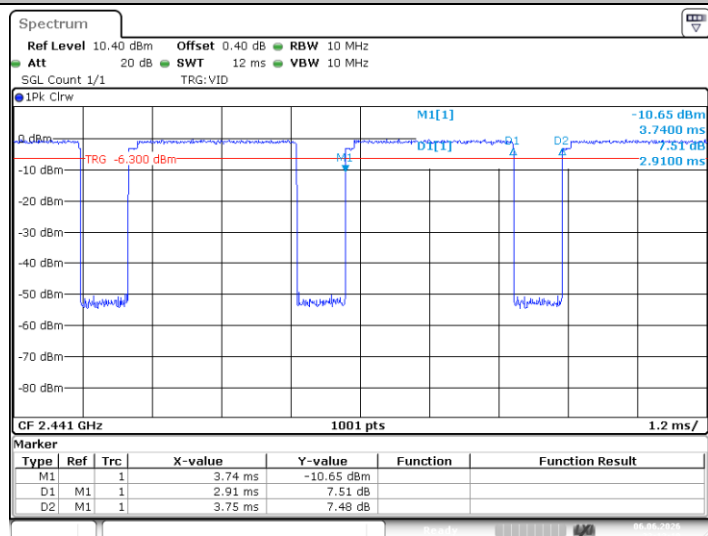
Date: 6.JUN.2026 22:01:51

2DH5_Ant1_2402

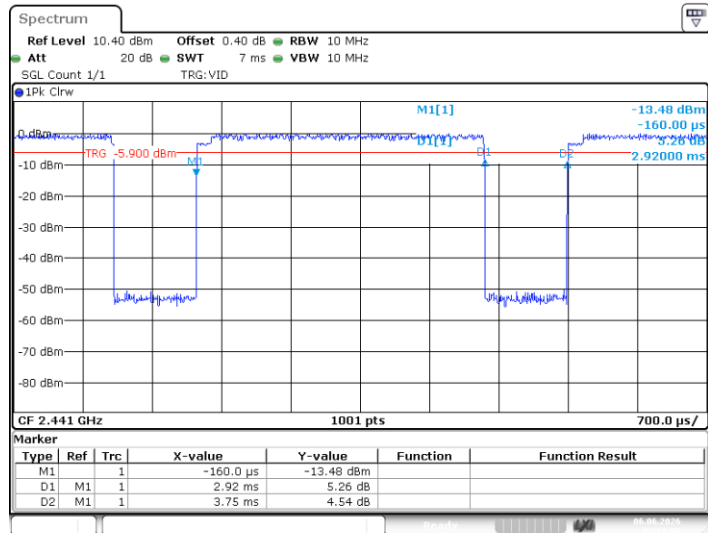


Date: 6.JUN.2026 22:09:13

2DH5_Ant1_2441

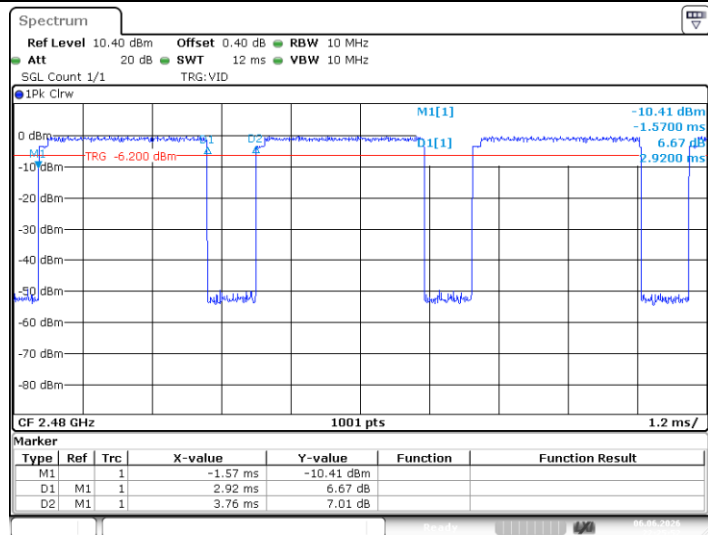


Date: 6.JUN.2026 22:12:18



Date: 6.JUN.2026 22:23:59

3DH5_Ant1_2480



Date: 6.JUN.2026 22:25:52

Appendix J: Emissions in Restricted Bands

Test Result

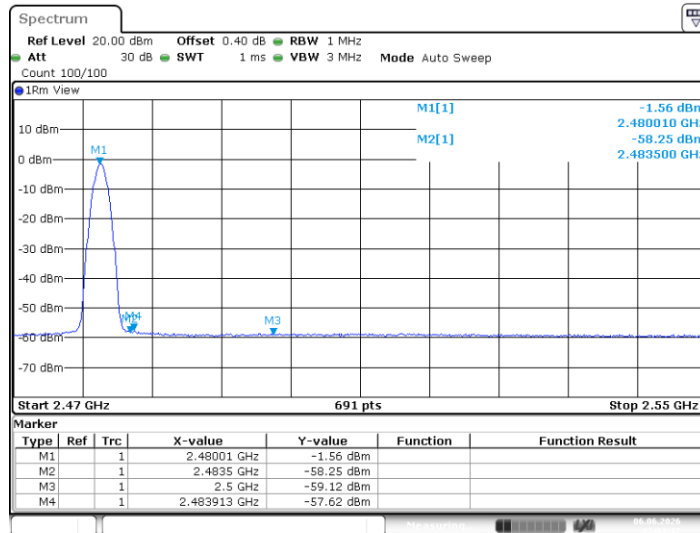
TestMod e	Antenn a	ChNam e	Freq(MH z)	Detector	Freq [MHz]	Result [dBm]	Gain [dB]	DC Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
DH5	Ant1	Low	2402	AV	2310.000	-59.82	2.81	1.10	39.29	≤54	PASS
				AV	2340.174	-57.81	2.81	1.10	41.3	≤54	PASS
				AV	2390.000	-59.23	2.81	1.10	39.88	≤54	PASS
				Peak	2310.000	-49.29	2.81	0.00	48.72	≤74	PASS
				Peak	2340.022	-45.65	2.81	0.00	52.36	≤74	PASS
				Peak	2390.000	-48.11	2.81	0.00	49.9	≤74	PASS
		High	2480	AV	2483.500	-58.25	2.81	1.10	40.86	≤54	PASS
				AV	2483.913	-57.62	2.81	1.10	41.49	≤54	PASS
				AV	2500.000	-59.12	2.81	1.10	39.99	≤54	PASS
				Peak	2483.500	-45.88	2.81	0.00	52.13	≤74	PASS
				Peak	2484.493	-42.3	2.81	0.00	55.71	≤74	PASS
				Peak	2500.000	-48.88	2.81	0.00	49.13	≤74	PASS
2DH5	Ant1	Low	2402	AV	2310.000	-59.85	2.81	1.09	39.25	≤54	PASS
				AV	2341.391	-57.89	2.81	1.09	41.21	≤54	PASS
				AV	2390.000	-59.38	2.81	1.09	39.72	≤54	PASS
				Peak	2310.000	-49.01	2.81	0.00	49	≤74	PASS
				Peak	2342.913	-46.13	2.81	0.00	51.88	≤74	PASS
				Peak	2390.000	-48.89	2.81	0.00	49.12	≤74	PASS
		High	2480	AV	2483.500	-58.69	2.81	1.09	40.41	≤54	PASS
				AV	2483.913	-58.66	2.81	1.09	40.44	≤54	PASS
				AV	2500.000	-59.11	2.81	1.09	39.99	≤54	PASS
				Peak	2483.500	-47.12	2.81	0.00	50.89	≤74	PASS
				Peak	2484.841	-45.55	2.81	0.00	52.46	≤74	PASS
				Peak	2500.000	-48.39	2.81	0.00	49.62	≤74	PASS
3DH5	Ant1	Low	2402	AV	2310.000	-59.87	2.81	1.08	39.22	≤54	PASS
				AV	2340.478	-57.78	2.81	1.08	41.31	≤54	PASS
				AV	2390.000	-59.42	2.81	1.08	39.67	≤54	PASS
				Peak	2310.000	-48.91	2.81	0.00	49.1	≤74	PASS
				Peak	2345.348	-46.4	2.81	0.00	51.61	≤74	PASS
				Peak	2390.000	-48.38	2.81	0.00	49.63	≤74	PASS
		High	2480	AV	2483.500	-58.48	2.81	1.10	40.63	≤54	PASS
				AV	2483.681	-58.44	2.81	1.10	40.67	≤54	PASS
				AV	2500.000	-59.17	2.81	1.10	39.94	≤54	PASS
				Peak	2483.500	-47.72	2.81	0.00	50.29	≤74	PASS
				Peak	2484.493	-45.89	2.81	0.00	52.12	≤74	PASS
				Peak	2500.000	-49.03	2.81	0.00	48.98	≤74	PASS

Note:

1. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

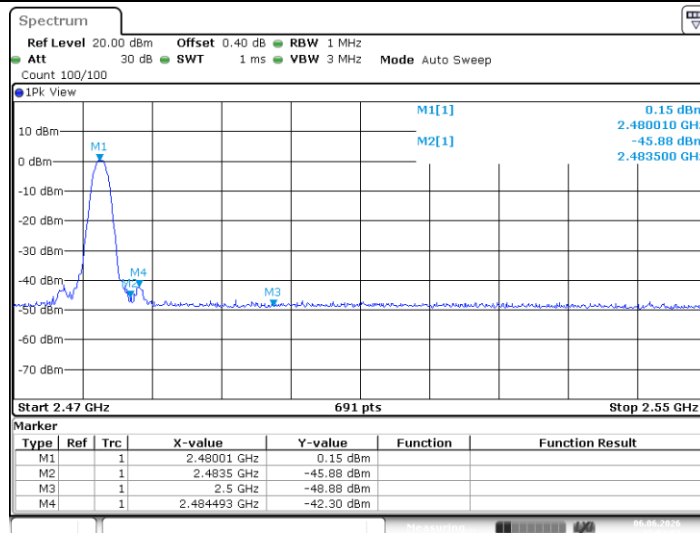
Test Graphs





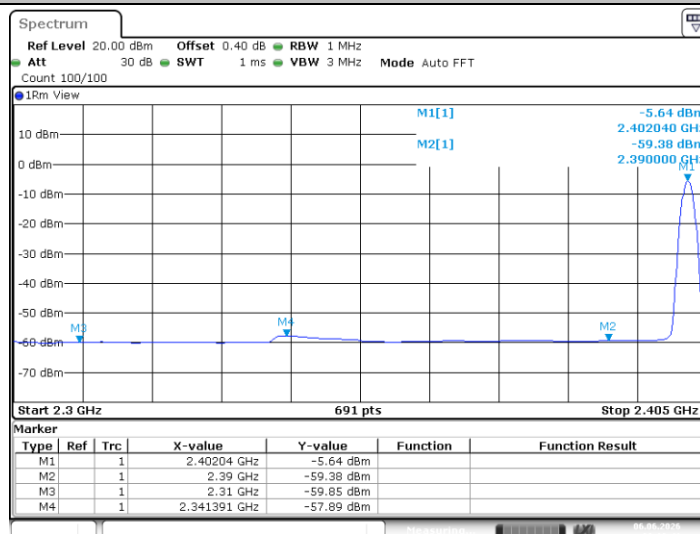
Date: 6.JUN.2026 22:03:17

DH5_Ant1_High_2480_Peak



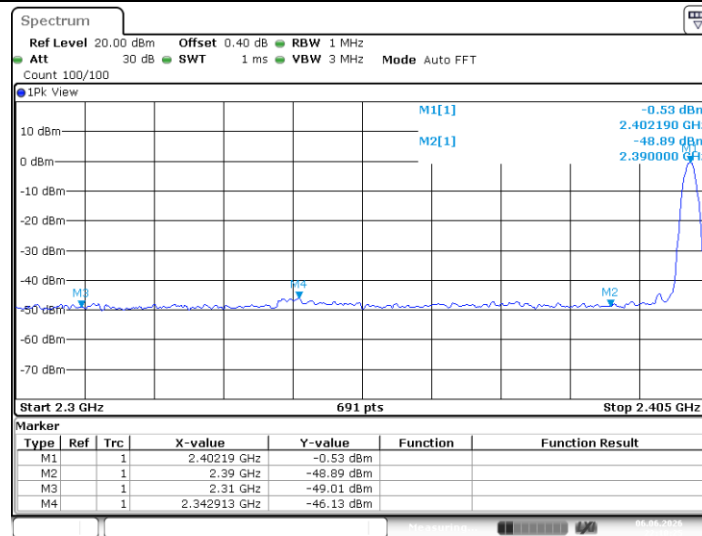
Date: 6.JUN.2026 22:03:02

2DH5_Ant1_Low_2402_AV



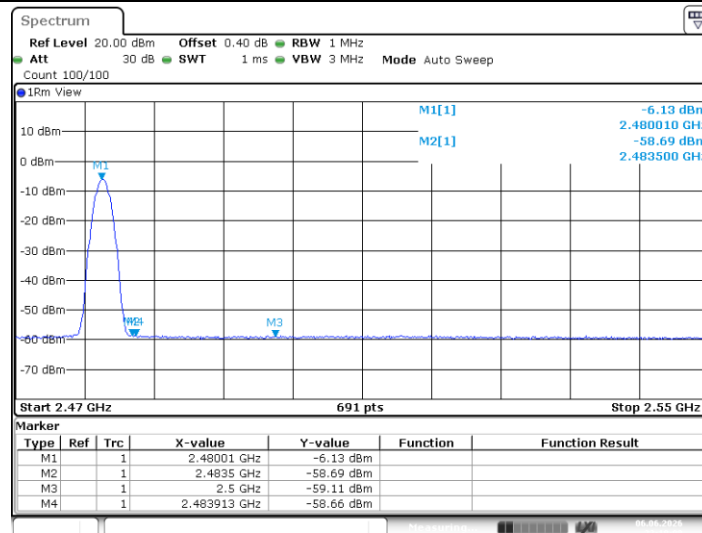
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2DH5_Ant1_Low_2402_Peak



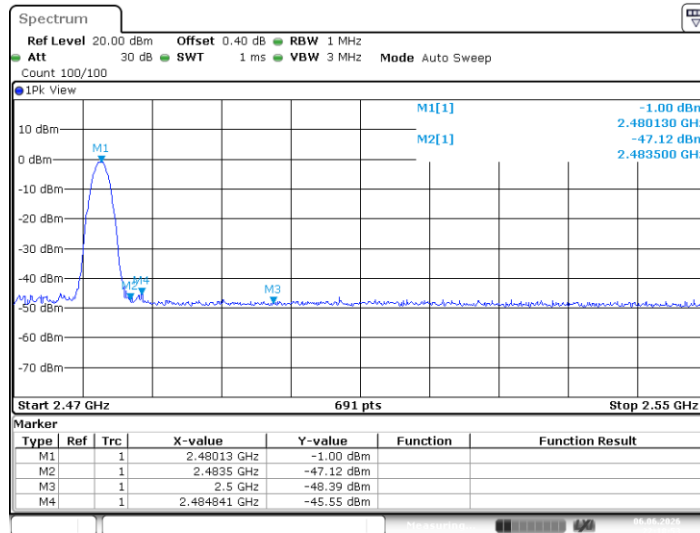
Date: 6.JUN.2026 22:10:25

2DH5_Ant1_High_2480_AV



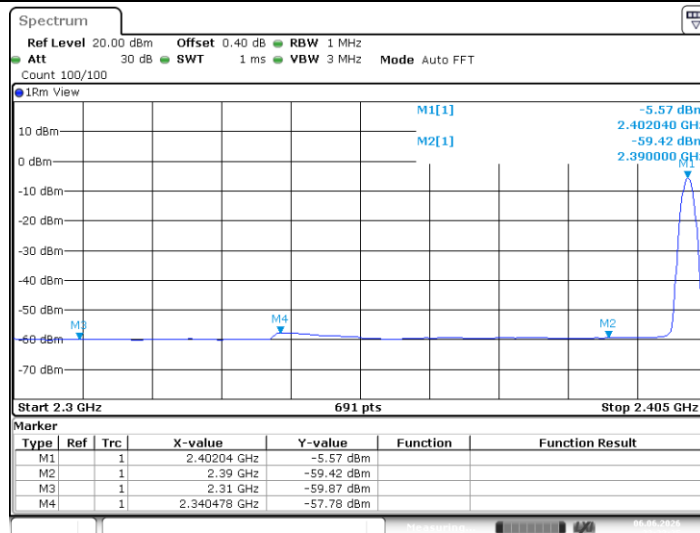
Date: 6.JUN.2026 22:19:08

2DH5_Ant1_High_2480_Peak



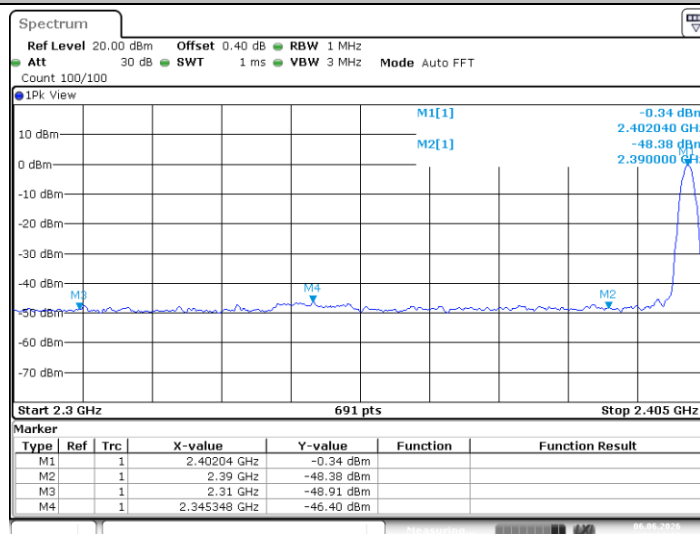
Date: 6.JUN.2026 22:18:53

3DH5_Ant1_Low_2402_AV



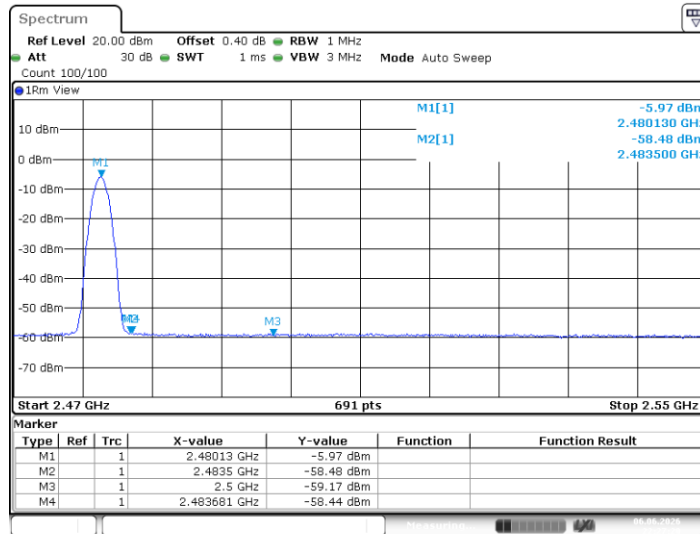
Date: 6.JUN.2026 22:22:25

3DH5_Ant1_Low_2402_Peak



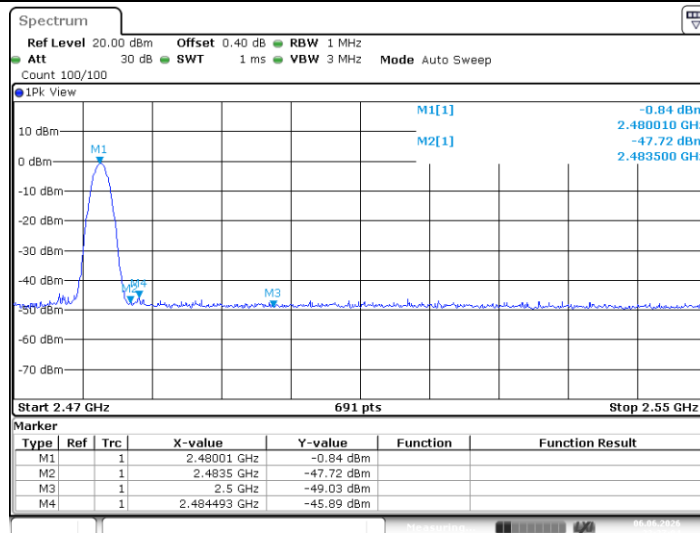
Date: 6.JUN.2026 22:22:09

3DH5_Ant1_High_2480_AV



Date: 6.JUN.2026 22:27:19

3DH5_Ant1_High_2480_Peak



Date: 6.JUN.2026 22:27:04