

FCC Appendix RF Test Data for BT

FCC ID : 2BV6U-SJ1

Company : Zhejiang Shengjiang Intelligent Technology Co., Ltd.

EUT : Smart Camera

Model Number : SJ1-A

Report No. : CTA26051900501

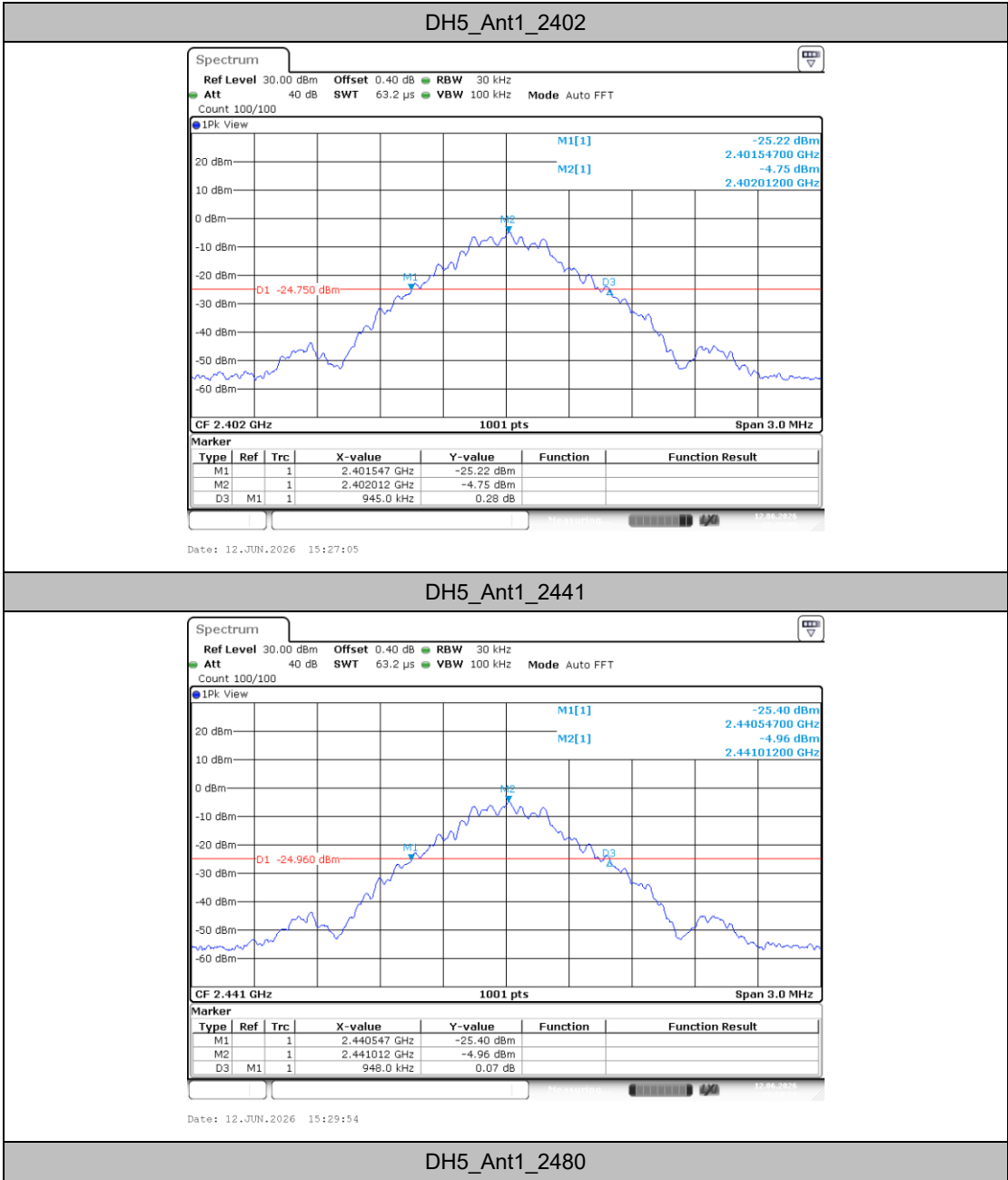
Reviewed By : Eric Wang

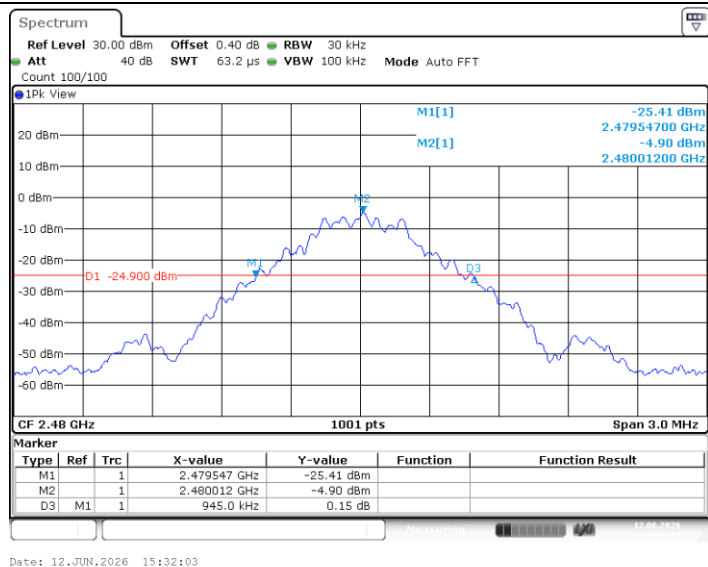
Appendix A: 20dB Emission Bandwidth

Test Result

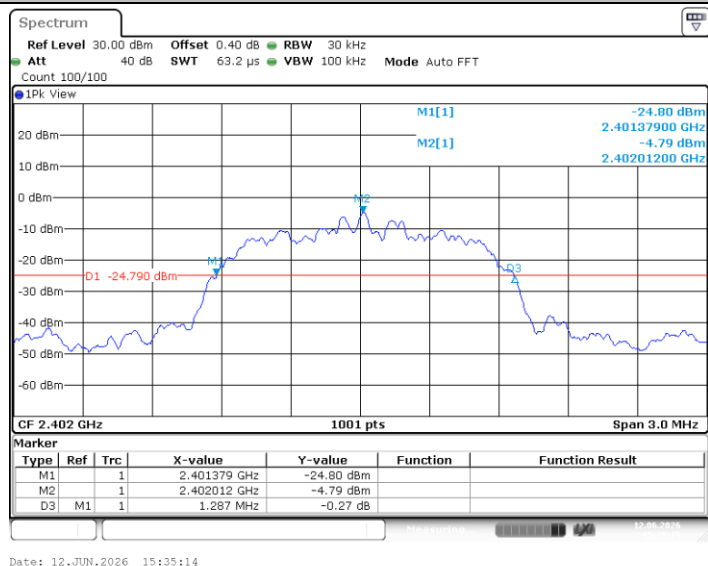
TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.95	2401.55	2402.49	---	---
		2441	0.95	2440.55	2441.50	---	---
		2480	0.95	2479.55	2480.49	---	---
2DH5	Ant1	2402	1.29	2401.38	2402.67	---	---
		2441	1.29	2440.38	2441.67	---	---
		2480	1.29	2479.38	2480.67	---	---
3DH5	Ant1	2402	1.29	2401.37	2402.65	---	---
		2441	1.29	2440.37	2441.65	---	---
		2480	1.29	2479.37	2480.65	---	---

Test Graphs

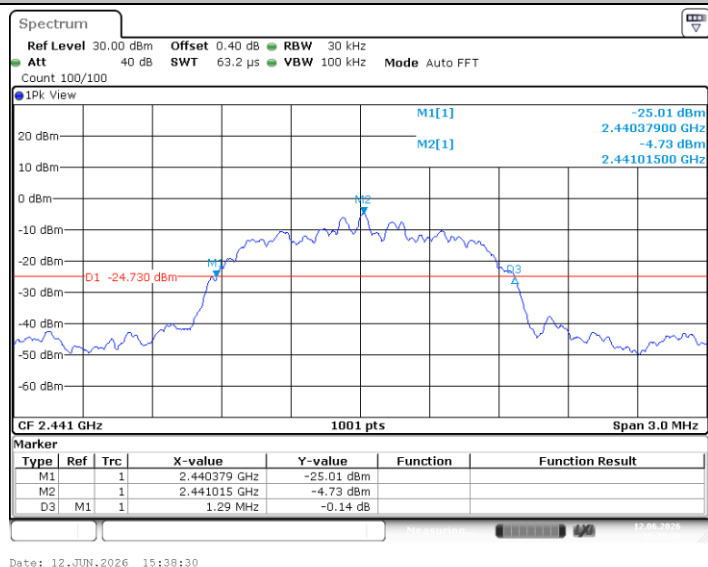




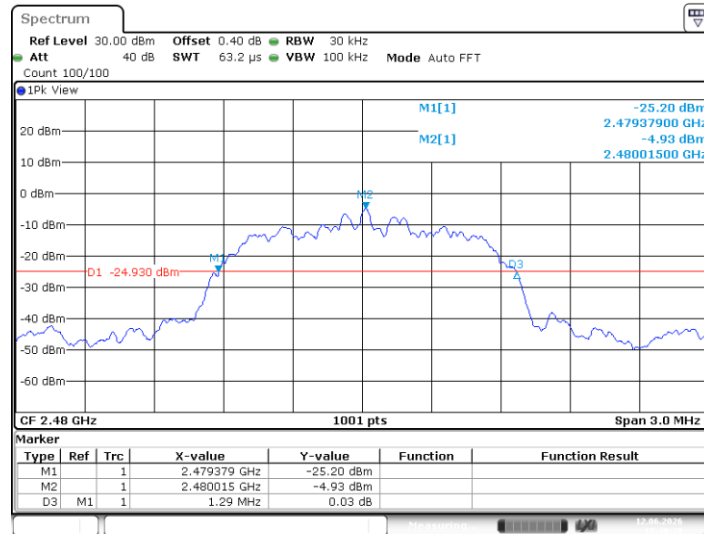
2DH5_Ant1_2402



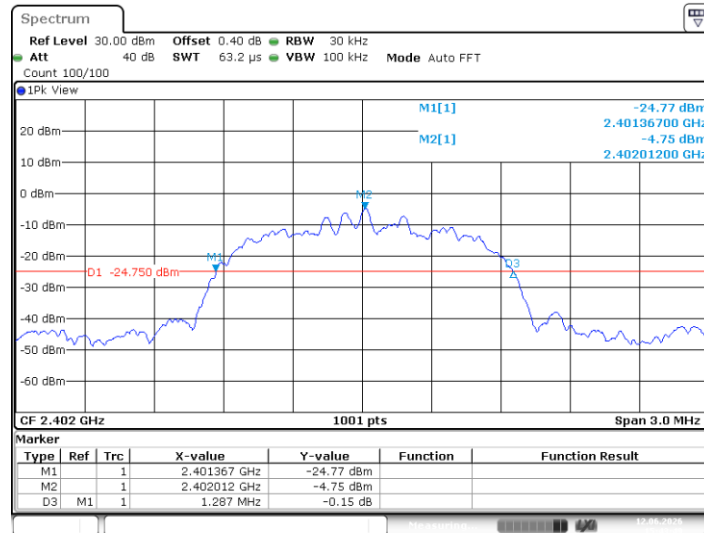
2DH5_Ant1_2441



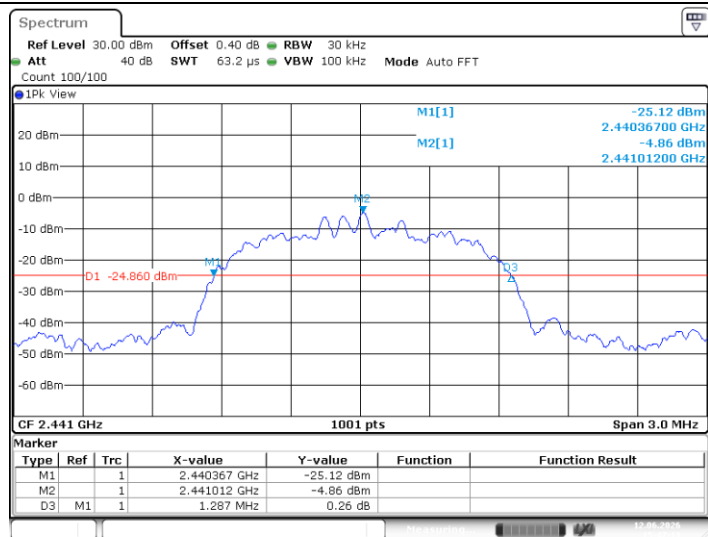
2DH5_Ant1_2480



3DH5_Ant1_2402

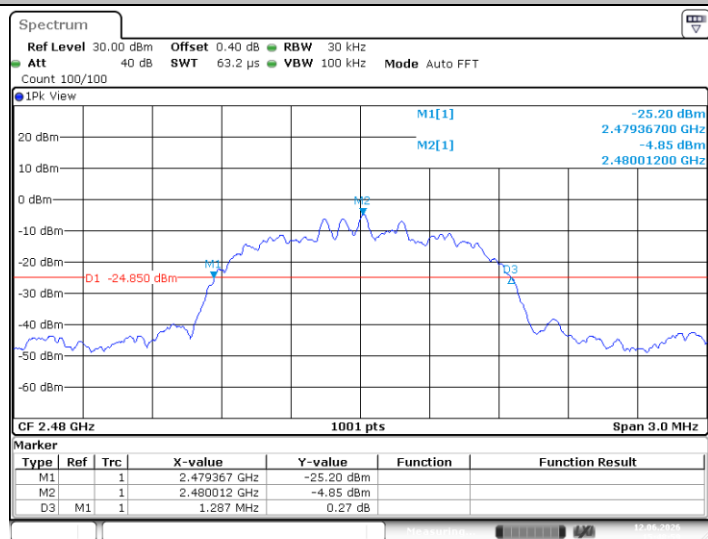


3DH5_Ant1_2441



Date: 12.JUN.2026 15:47:11

3DH5_Ant1_2480



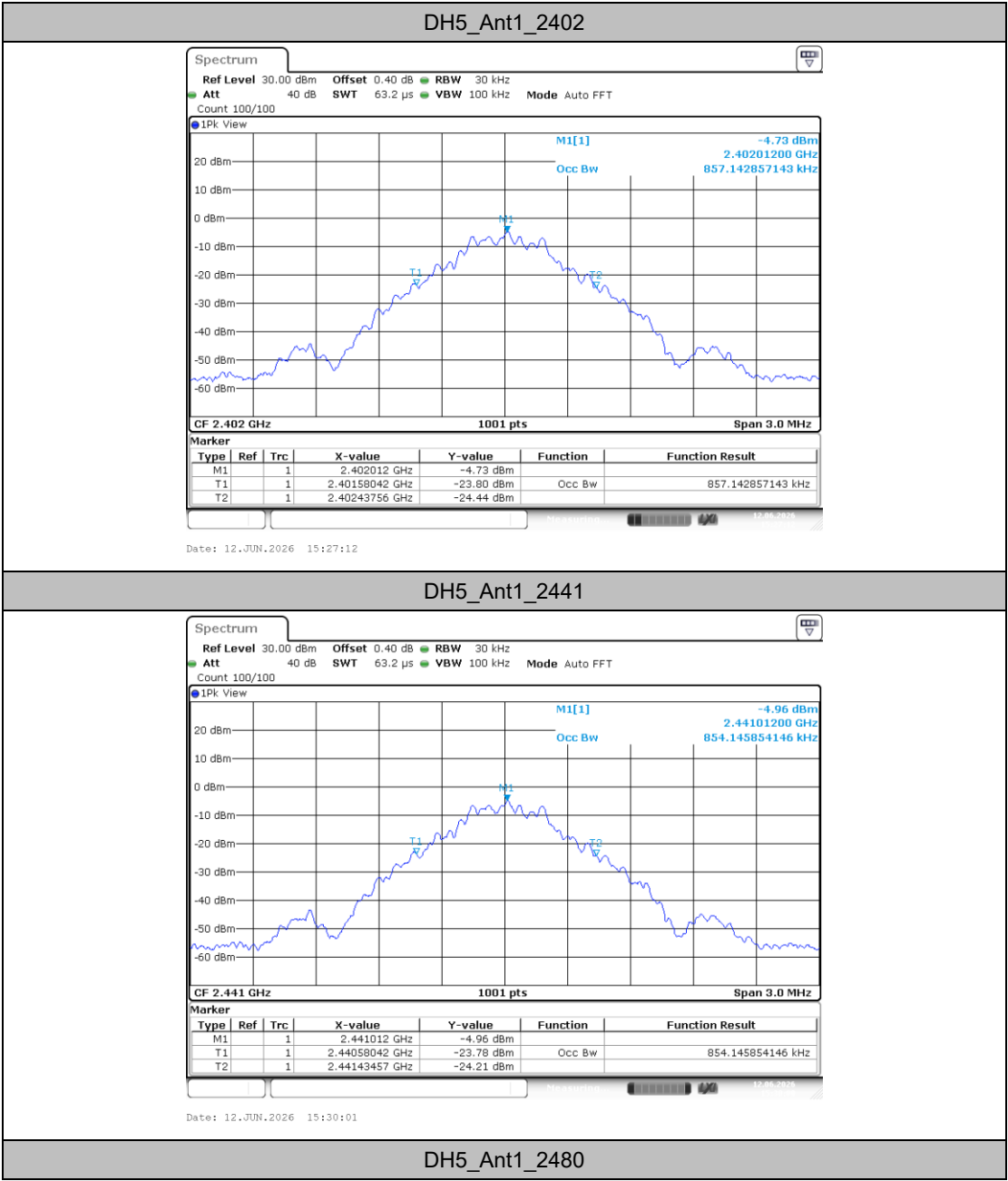
Date: 12.JUN.2026 15:48:59

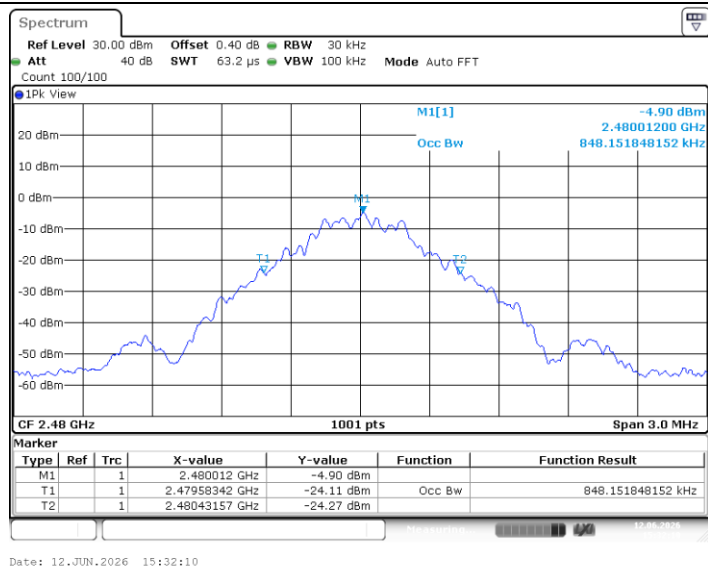
Appendix B: Occupied Channel Bandwidth

Test Result

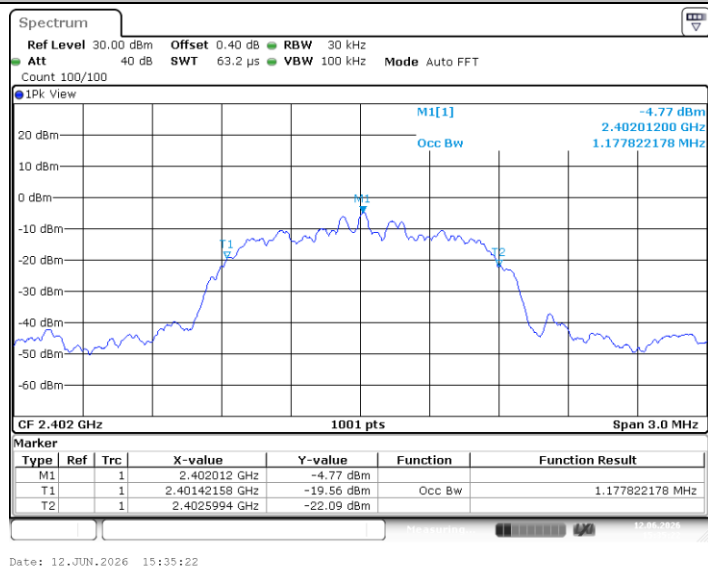
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.85714	2401.5804	2402.4376	---	---
		2441	0.85415	2440.5804	2441.4346	---	---
		2480	0.84815	2479.5834	2480.4316	---	---
2DH5	Ant1	2402	1.1778	2401.4216	2402.5994	---	---
		2441	1.1808	2440.4186	2441.5994	---	---
		2480	1.1778	2479.4216	2480.5994	---	---
3DH5	Ant1	2402	1.1748	2401.4246	2402.5994	---	---
		2441	1.1838	2440.4216	2441.6054	---	---
		2480	1.1778	2479.4246	2480.6024	---	---

Test Graphs

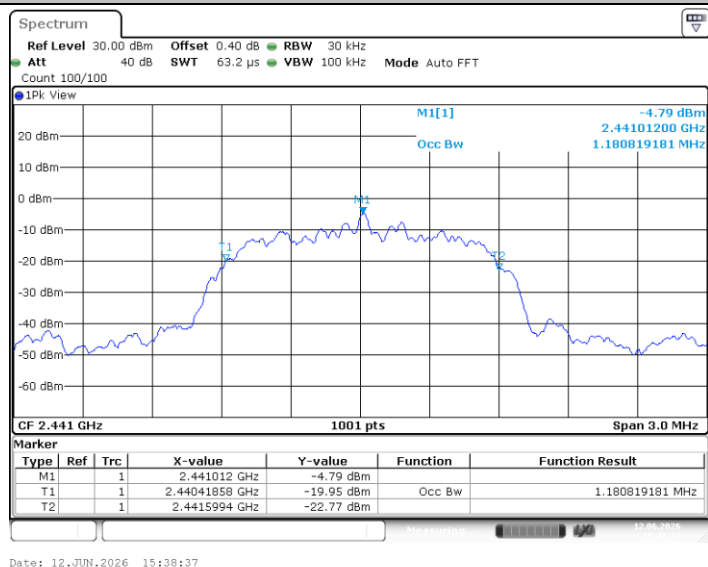




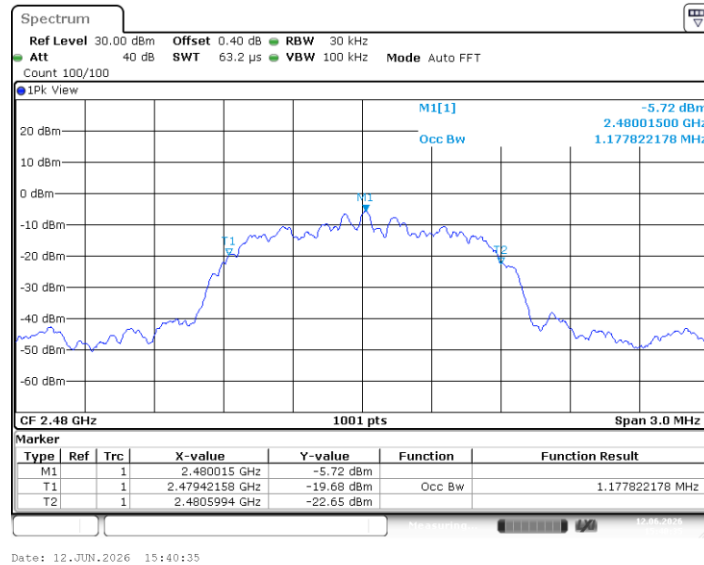
2DH5_Ant1_2402



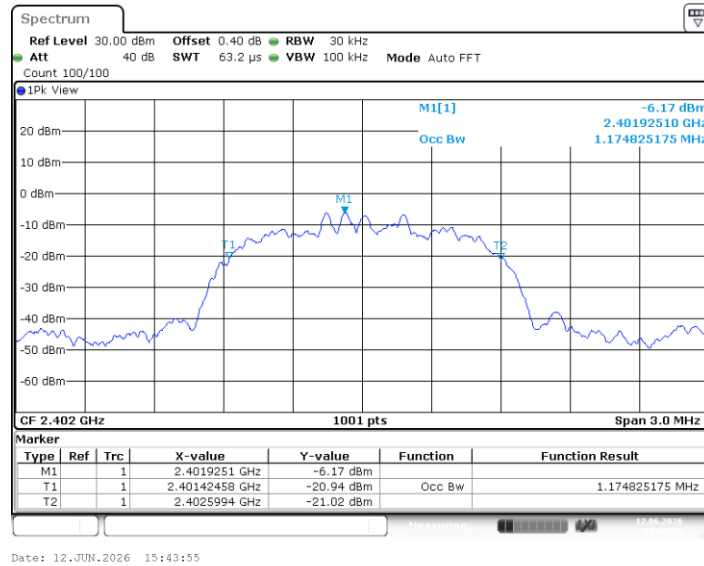
2DH5_Ant1_2441



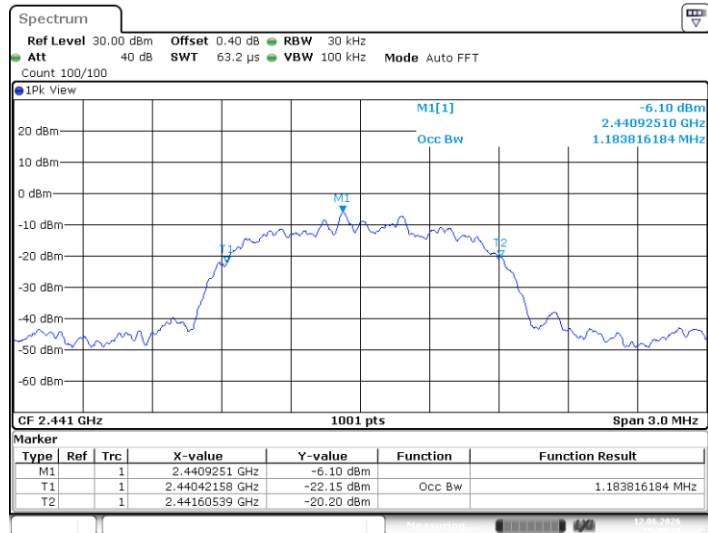
2DH5_Ant1_2480



3DH5_Ant1_2402

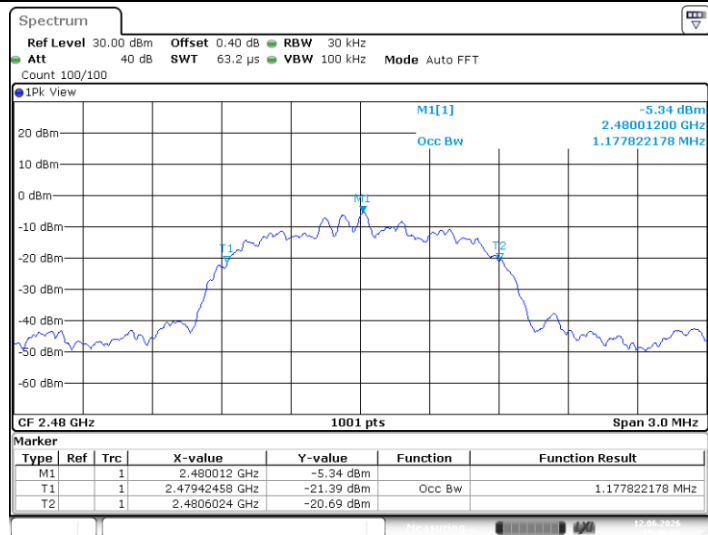


3DH5_Ant1_2441



Date: 12.JUN.2026 15:47:19

3DH5_Ant1_2480



Date: 12.JUN.2026 15:49:06

Appendix C: Maximum conducted output power

Test Result Peak

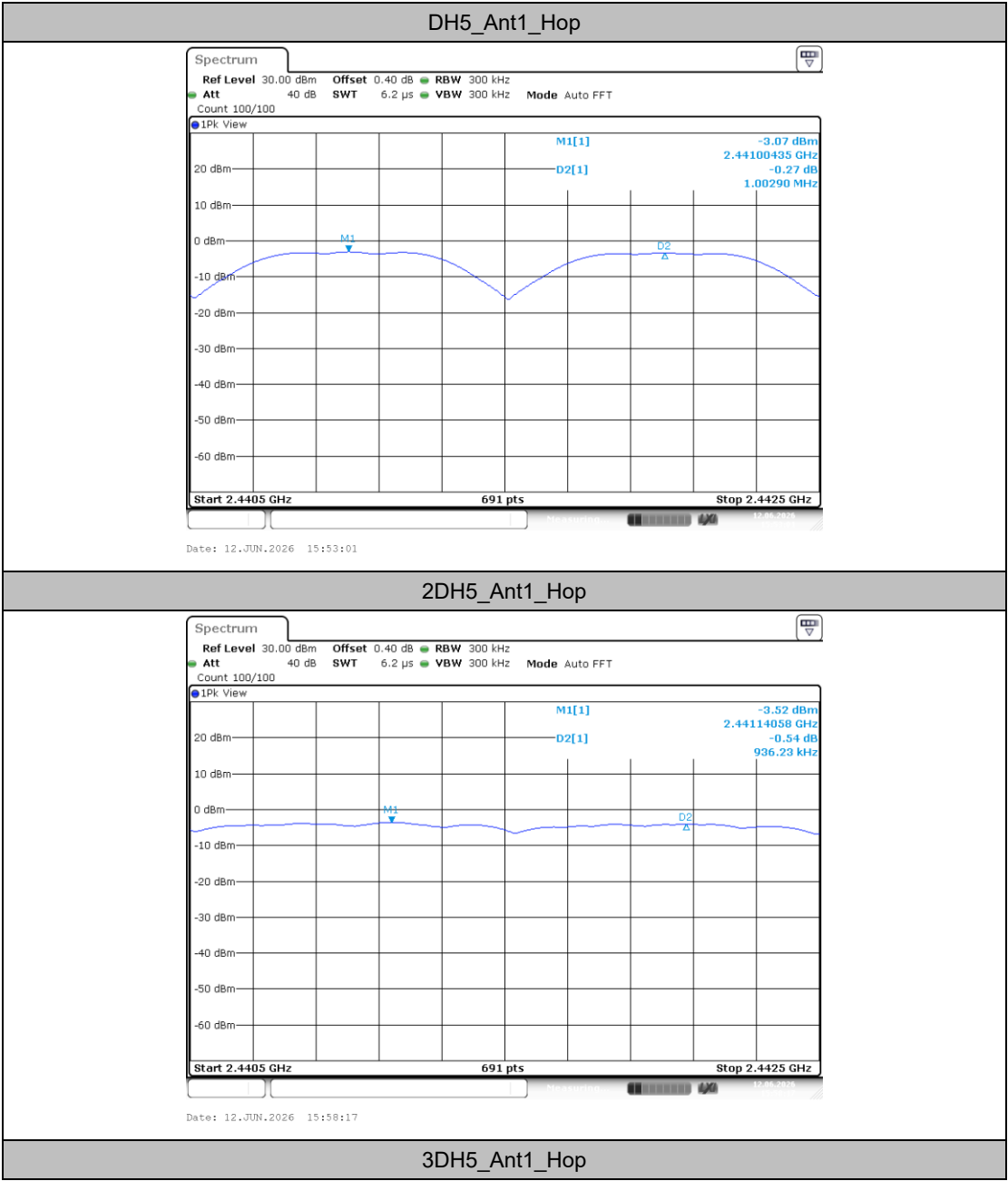
Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-2.92	≤20.97	PASS
		2441	-2.90	≤20.97	PASS
		2480	-3.08	≤20.97	PASS
2DH5	Ant1	2402	-0.59	≤20.97	PASS
		2441	-0.82	≤20.97	PASS
		2480	-0.67	≤20.97	PASS
3DH5	Ant1	2402	-0.34	≤20.97	PASS
		2441	-0.60	≤20.97	PASS
		2480	-0.55	≤20.97	PASS

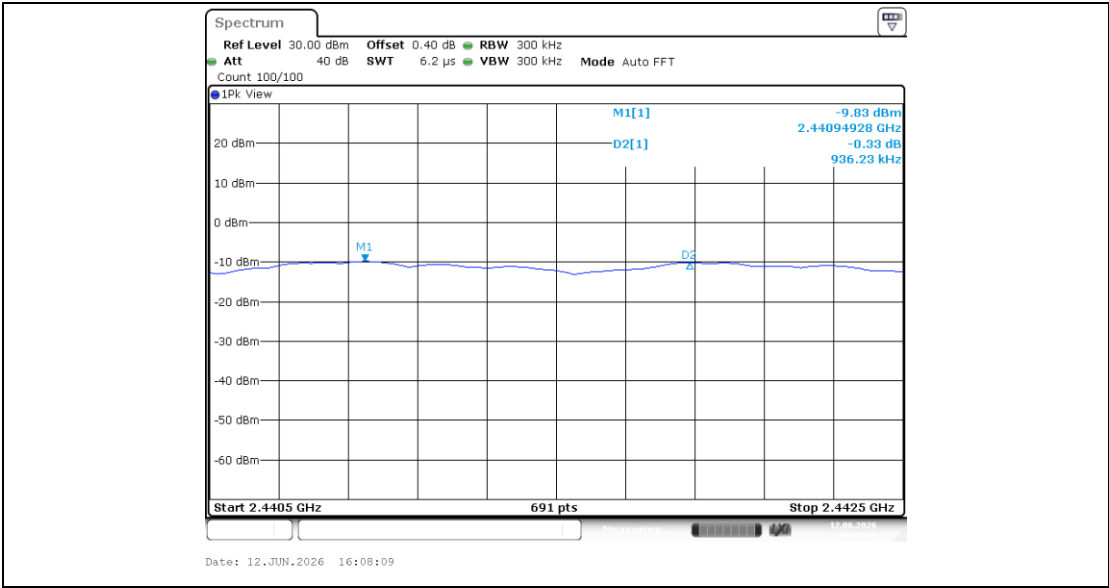
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.003	≥ 0.950	PASS
2DH5	Ant1	Hop	0.936	≥ 0.860	PASS
3DH5	Ant1	Hop	0.936	≥ 0.860	PASS

Test Graphs



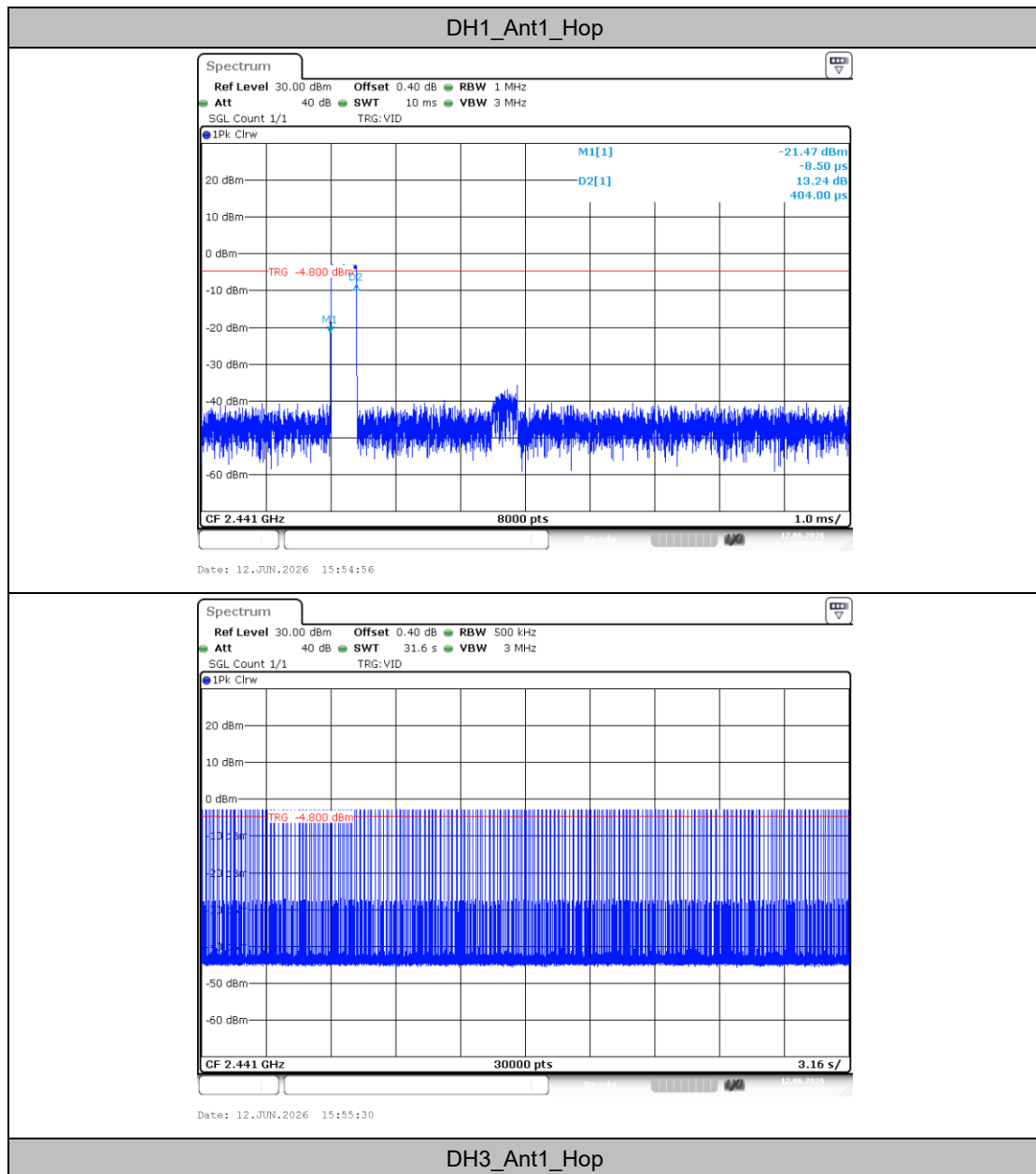


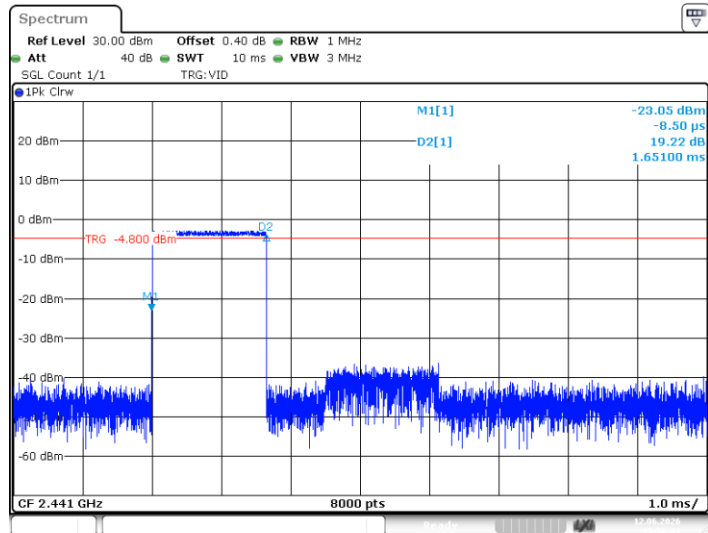
Appendix E: Time of occupancy

Test Result

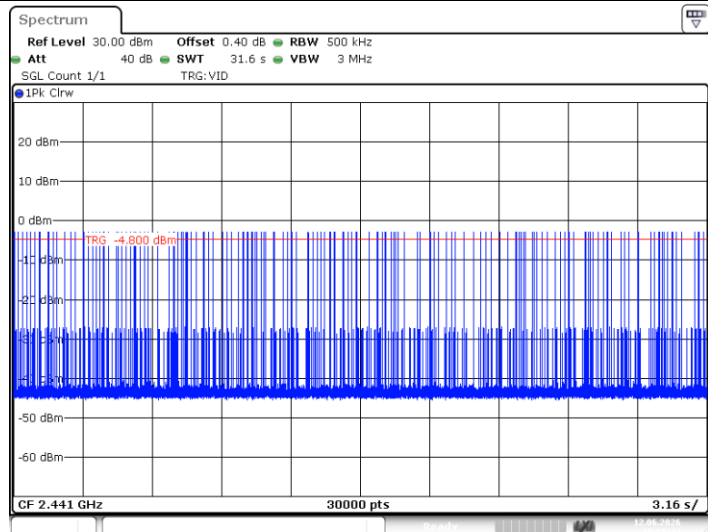
TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.404	319	0.129	≤0.4	PASS
DH3	Ant1	Hop	1.651	166	0.274	≤0.4	PASS
DH5	Ant1	Hop	2.893	103	0.298	≤0.4	PASS
2DH1	Ant1	Hop	0.413	320	0.132	≤0.4	PASS
2DH3	Ant1	Hop	1.656	165	0.273	≤0.4	PASS
2DH5	Ant1	Hop	2.898	97	0.281	≤0.4	PASS
3DH1	Ant1	Hop	0.414	320	0.132	≤0.4	PASS
3DH3	Ant1	Hop	1.656	162	0.268	≤0.4	PASS
3DH5	Ant1	Hop	2.900	107	0.31	≤0.4	PASS

Test Graphs



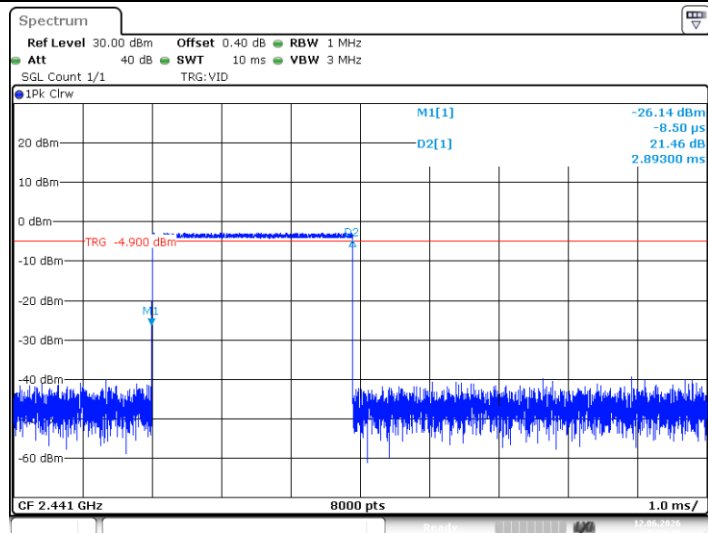


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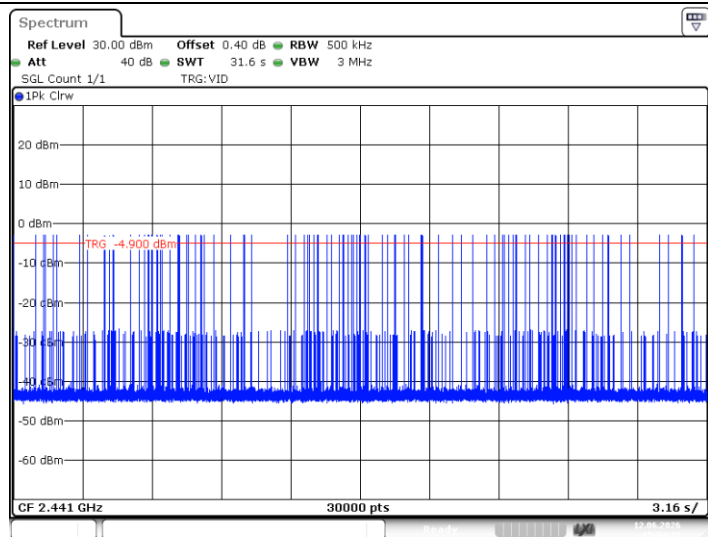


Date: 12.JUN.2026 15:56:35

DH5_Ant1_Hop

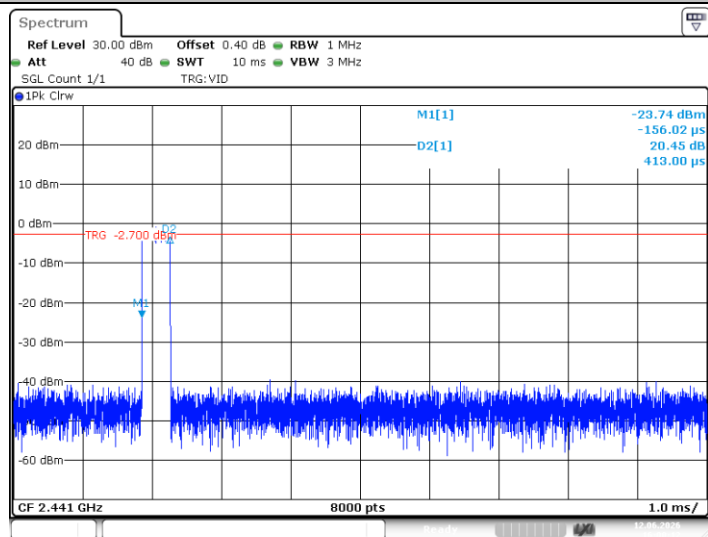


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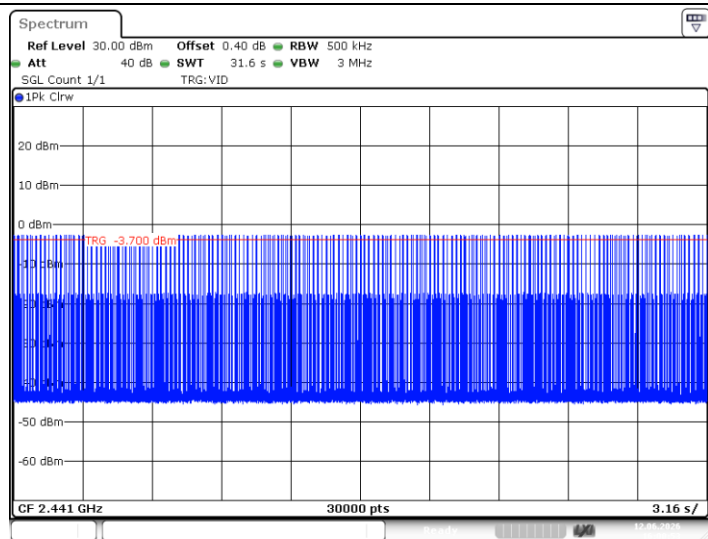


Date: 12.JUN.2026 15:54:23

2DH1_Ant1_Hop

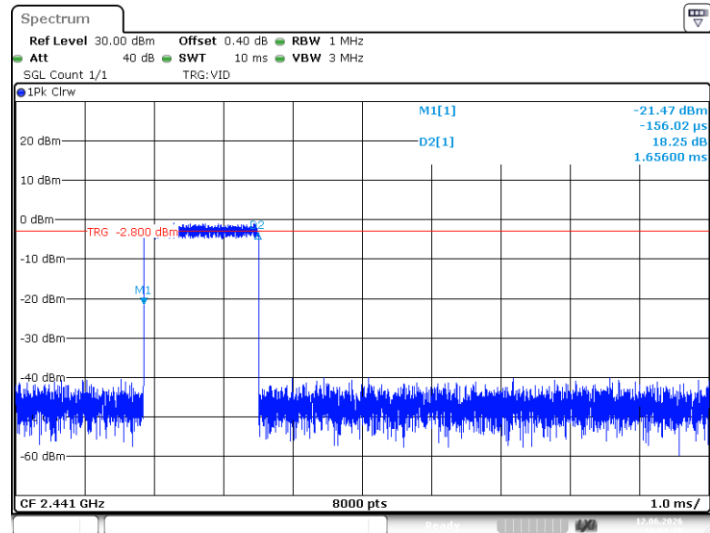


Date: 12.JUN.2026 16:00:12

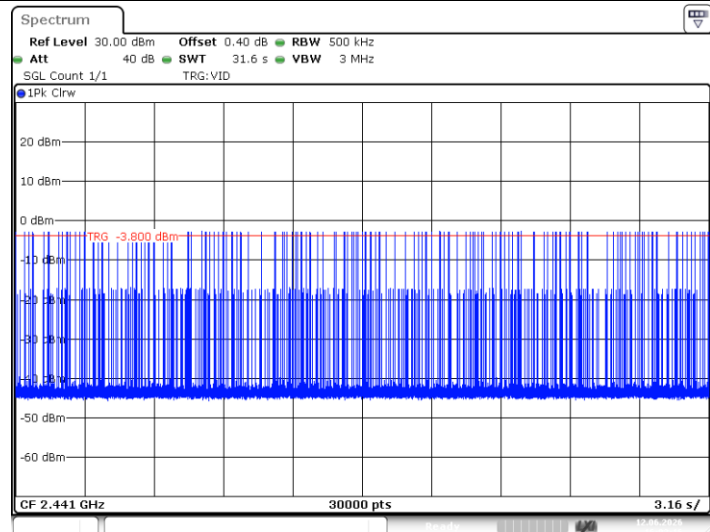


Date: 12.JUN.2026 16:00:53

2DH3_Ant1_Hop

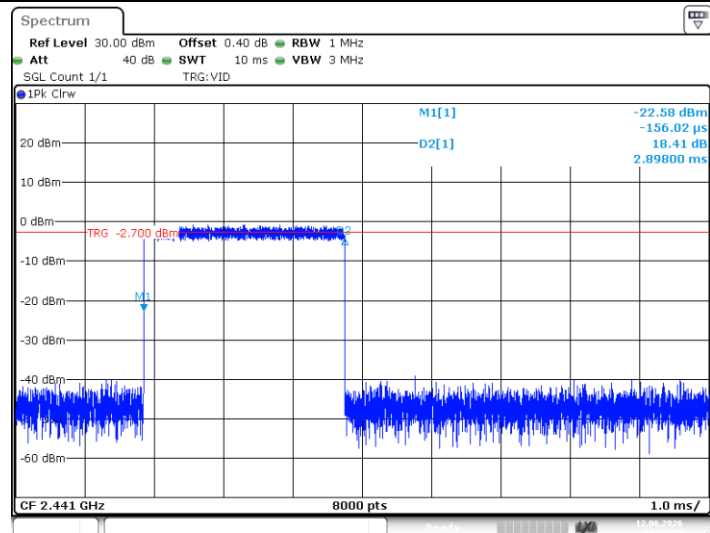


Date: 12.JUN.2026 16:01:35

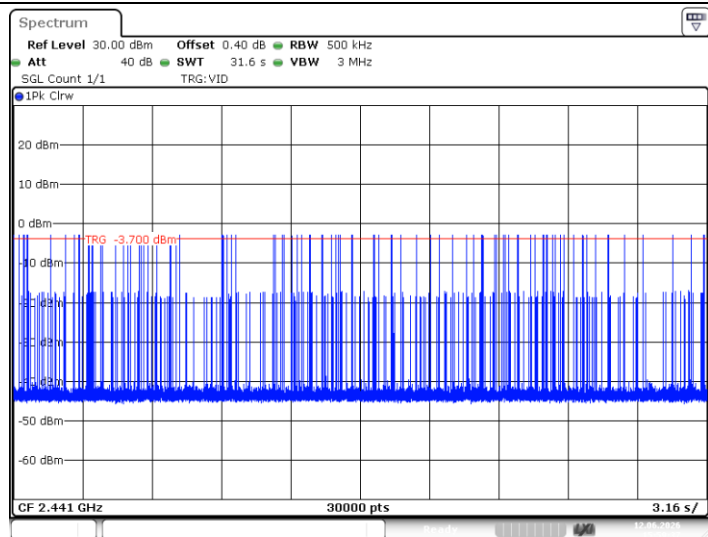


Date: 12.JUN.2026 16:02:16

2DH5_Ant1_Hop

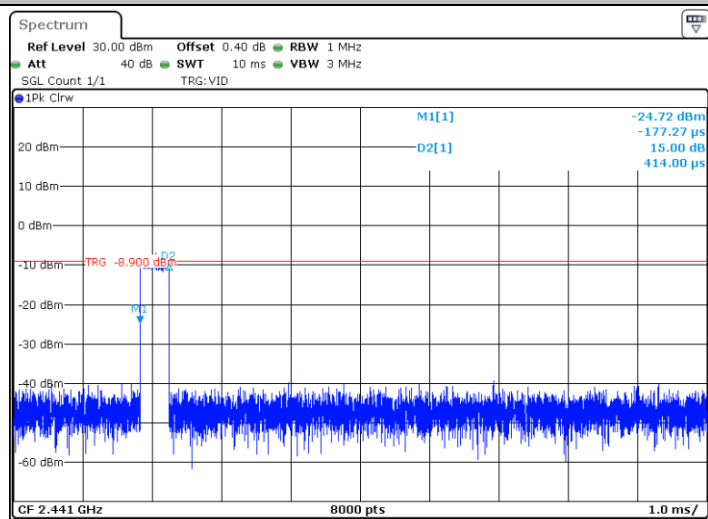


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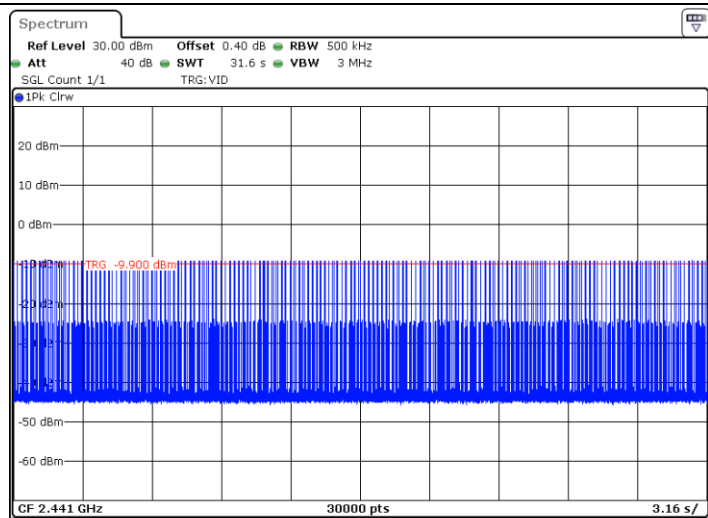


Date: 12.JUN.2026 15:59:37

3DH1_Ant1_Hop

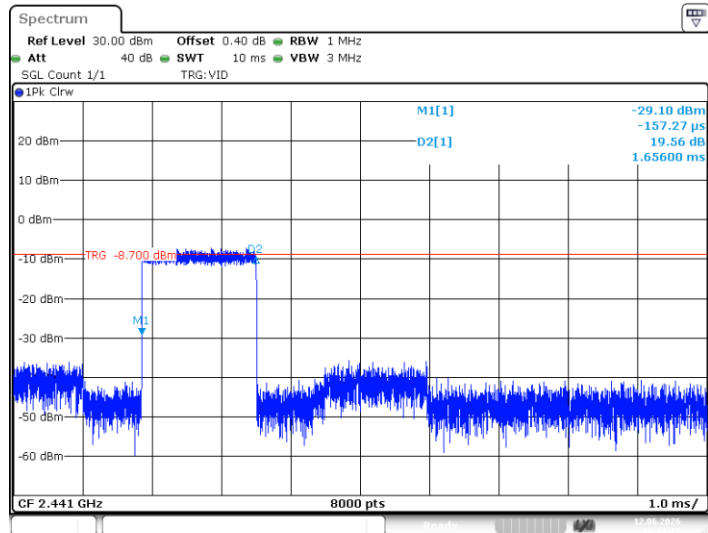


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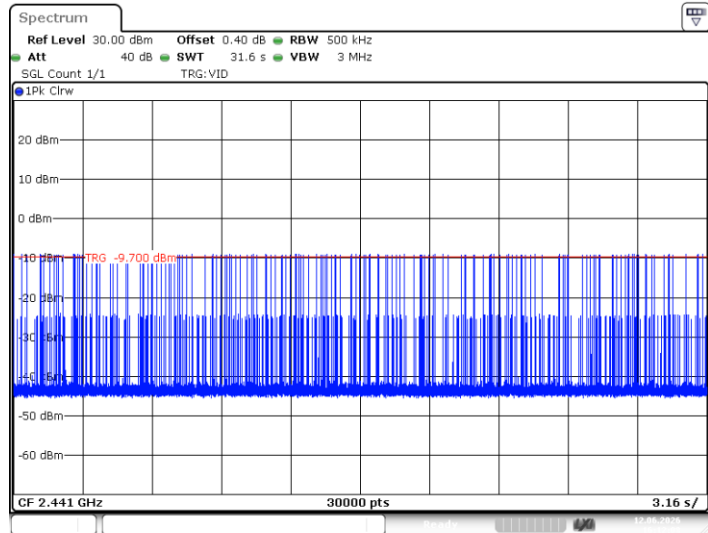


Date: 12.JUN.2026 16:11:03

3DH3_Ant1_Hop

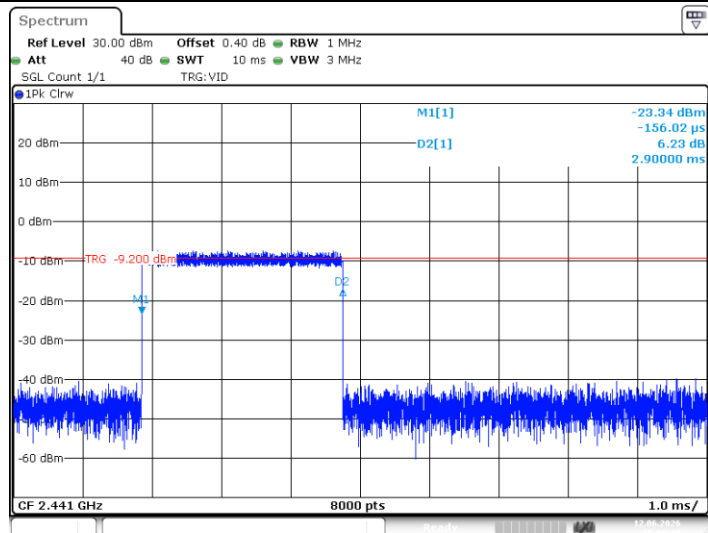


Date: 12.JUN.2026 16:11:28

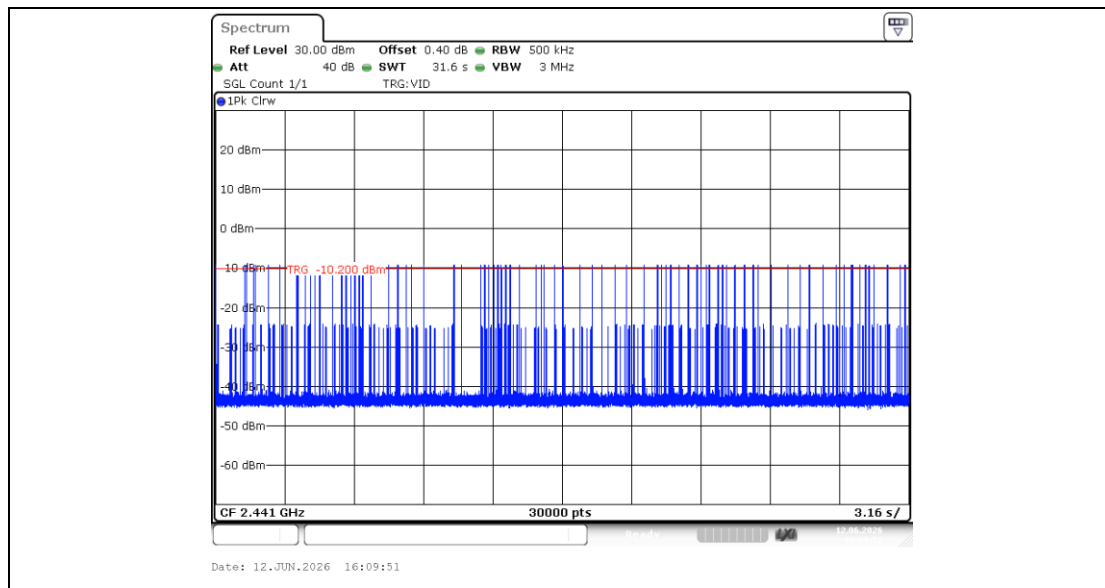


Date: 12.JUN.2026 16:12:08

3DH5_Ant1_Hop



Date: 12.JUN.2026 16:09:11

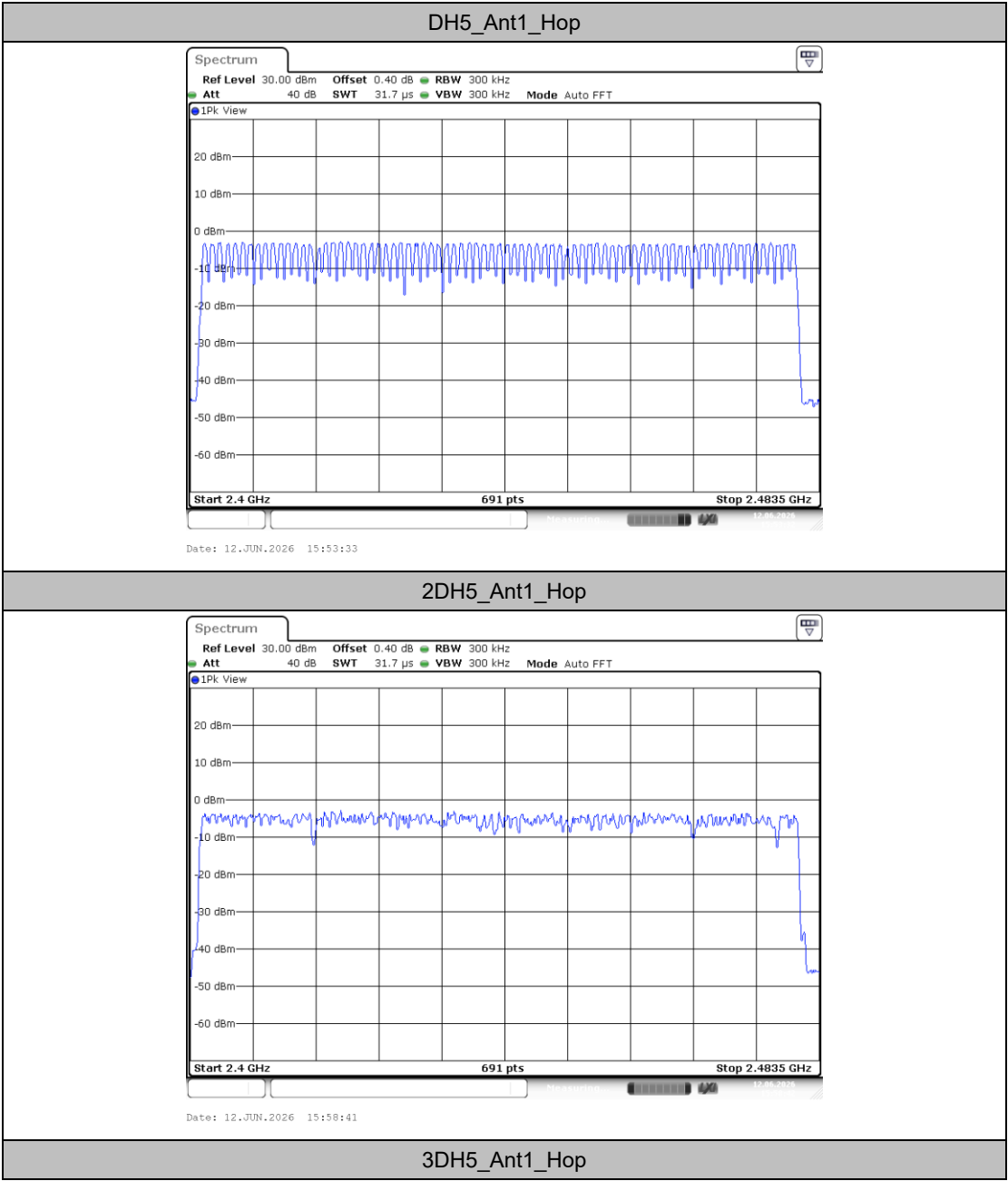


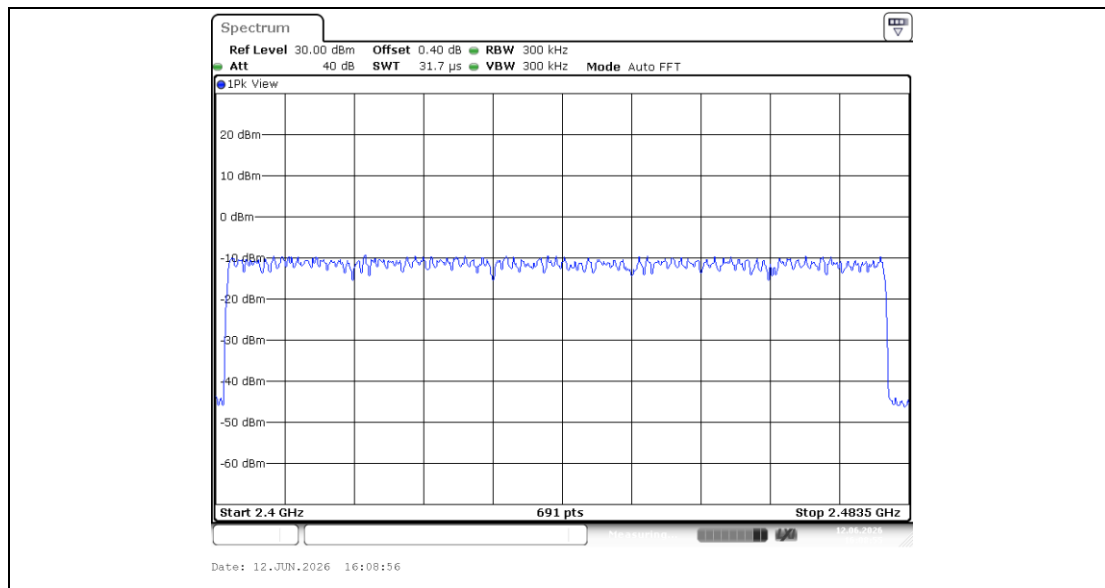
Appendix F: Number of hopping channels

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



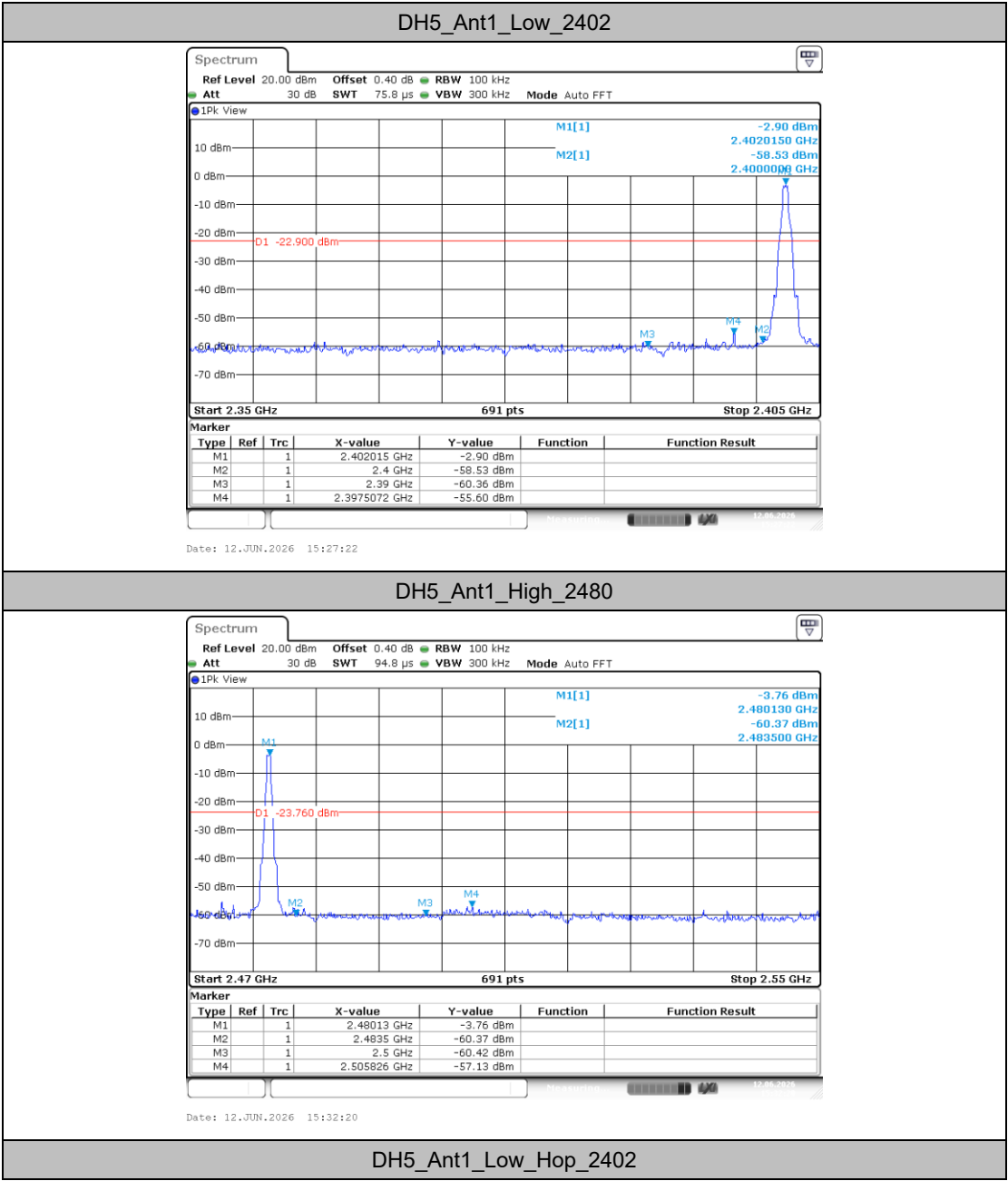


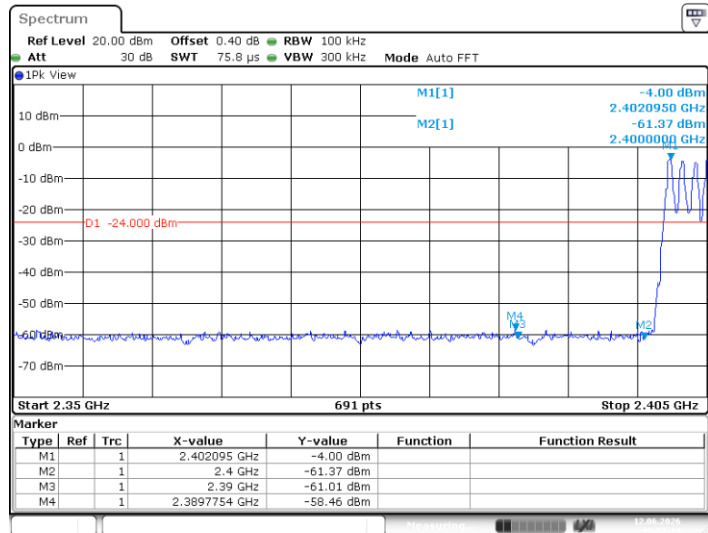
Appendix G: Band edge measurements

Test Result

TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-2.90	-55.6	≤-22.9	PASS
		High	2480	-3.76	-57.13	≤-23.76	PASS
		Low	Hop_2402	-4.00	-58.46	≤-24	PASS
		High	Hop_2480	-3.20	-49.11	≤-23.2	PASS
2DH5	Ant1	Low	2402	-2.90	-55.86	≤-22.9	PASS
		High	2480	-3.86	-48.7	≤-23.86	PASS
		Low	Hop_2402	-6.76	-58.62	≤-26.76	PASS
		High	Hop_2480	-3.40	-56.44	≤-23.4	PASS
3DH5	Ant1	Low	2402	-2.89	-58.1	≤-22.89	PASS
		High	2480	-3.24	-47.56	≤-23.24	PASS
		Low	Hop_2402	-6.92	-57.99	≤-26.92	PASS
		High	Hop_2480	-9.58	-57.31	≤-29.58	PASS

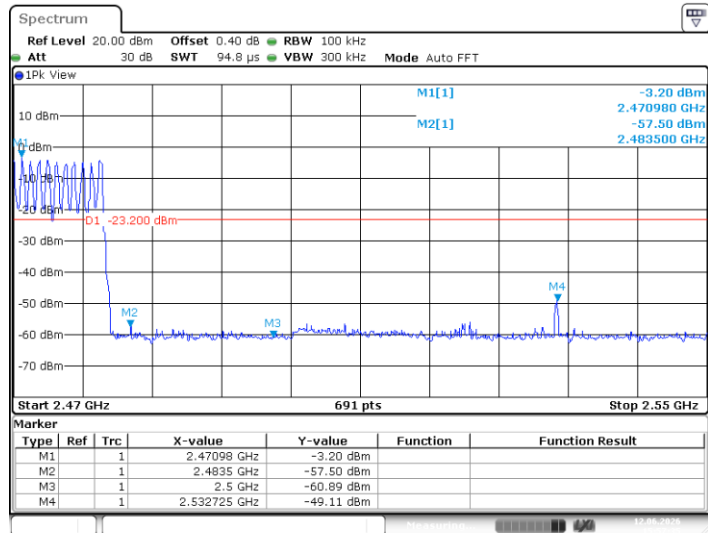
Test Graphs





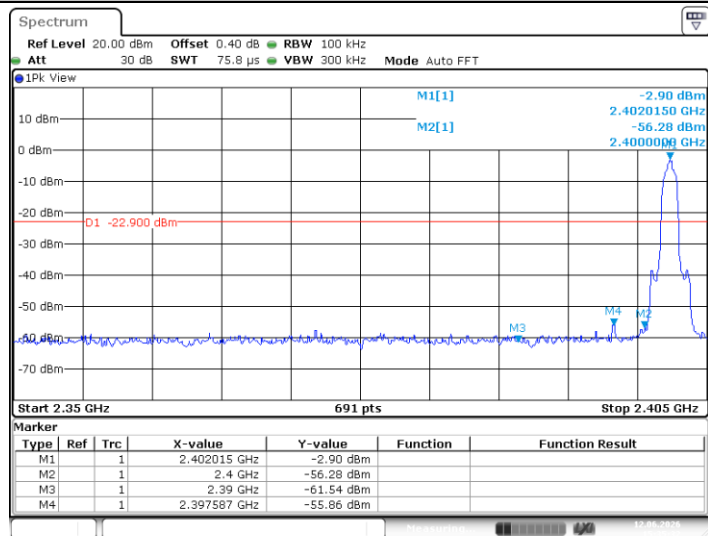
Date: 12.JUN.2026 15:52:14

DH5_Ant1_High_Hop_2480



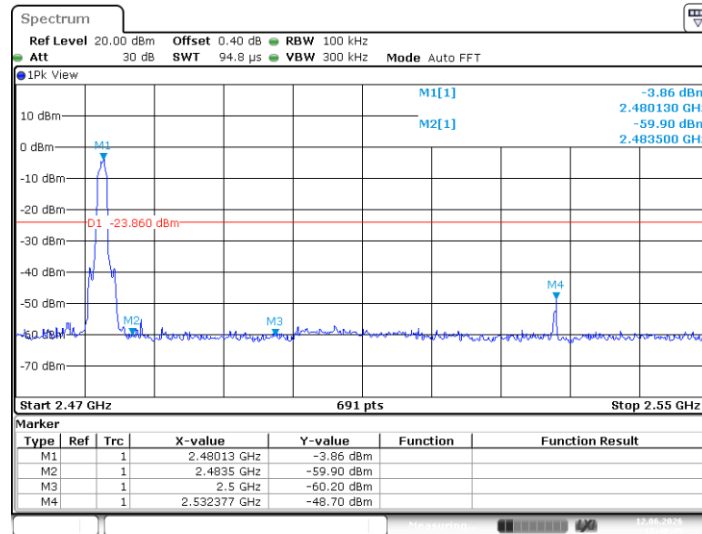
Date: 12.JUN.2026 15:57:35

2DH5_Ant1_Low_2402



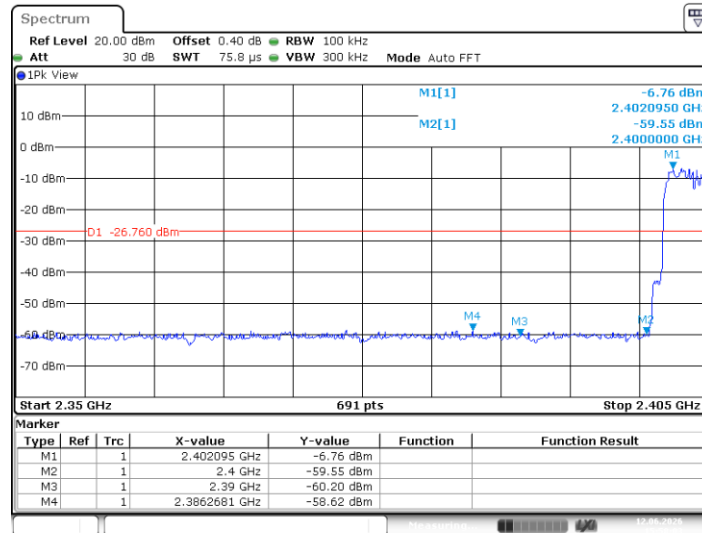
Date: 12.JUN.2026 15:35:32

2DH5_Ant1_High_2480



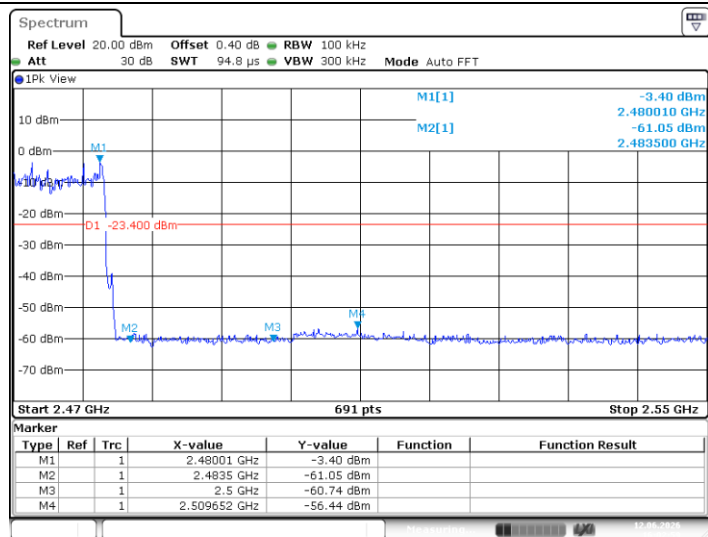
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2DH5_Ant1_Low_Hop_2402



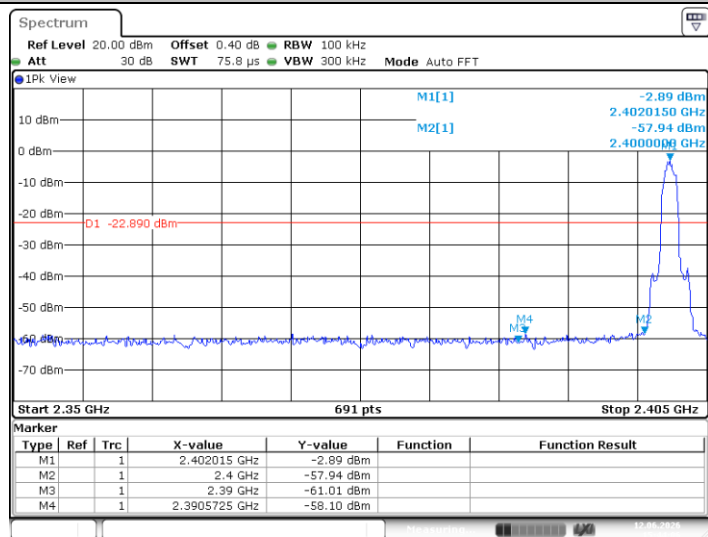
Date: 12.JUN.2026 15:58:03

2DH5_Ant1_High_Hop_2480



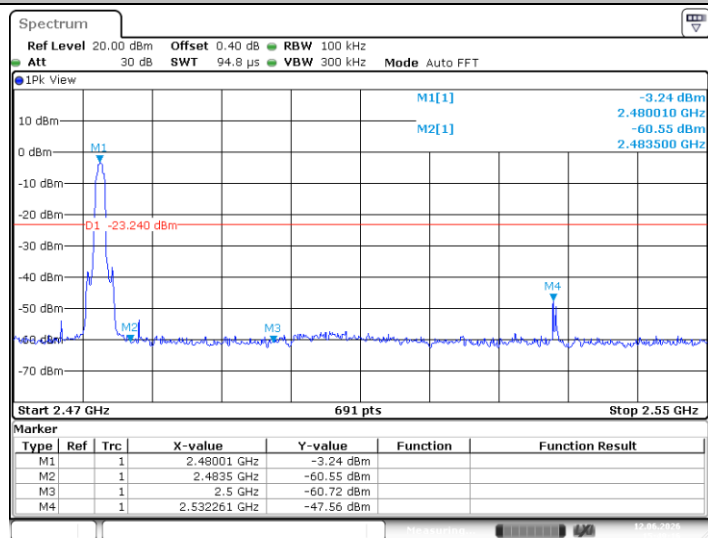
Date: 12.JUN.2026 16:02:59

3DH5_Ant1_Low_2402



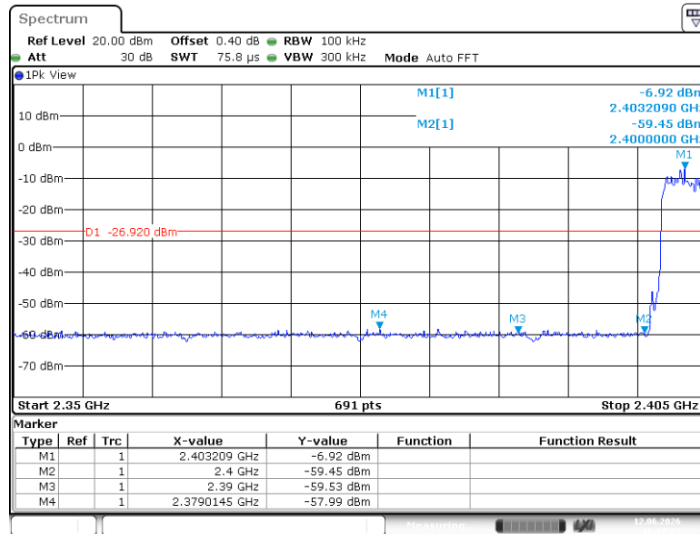
Date: 12.JUN.2026 15:44:06

3DH5_Ant1_High_2480



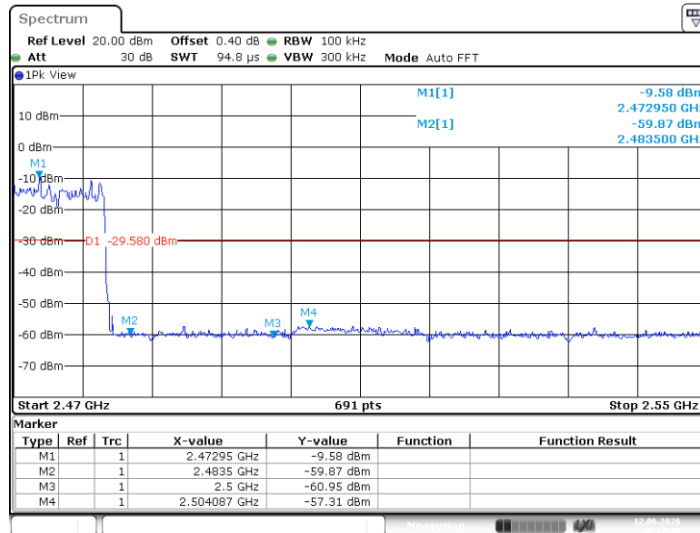
Date: 12.JUN.2026 15:49:16

3DH5_Ant1_Low_Hop_2402



Date: 12.JUN.2026 16:07:23

3DH5_Ant1_High_Hop_2480



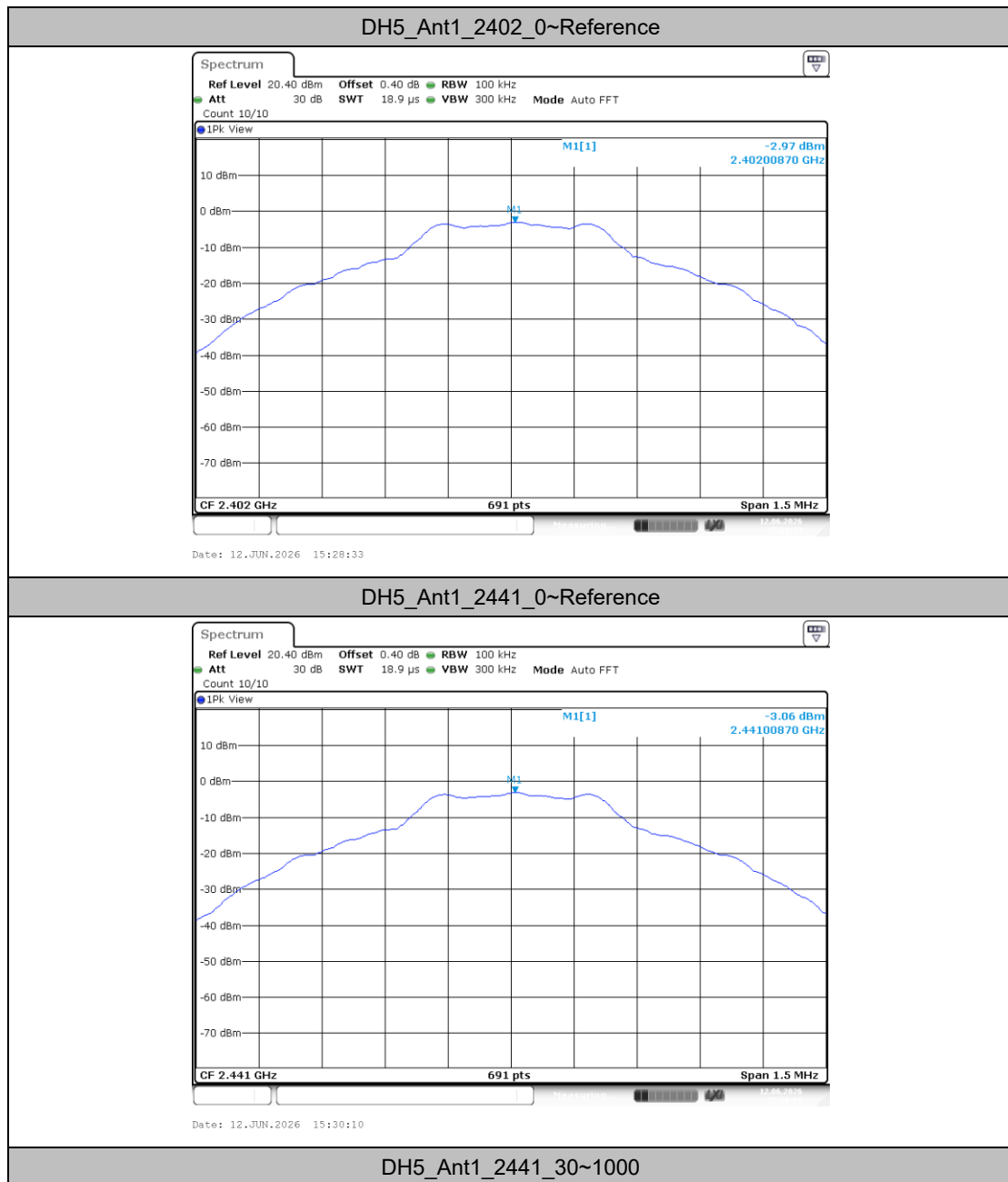
Date: 12.JUN.2026 16:12:50

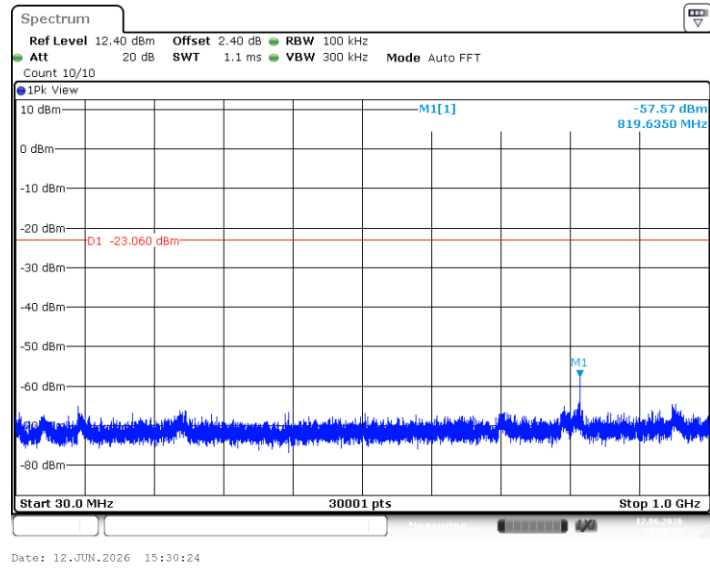
Appendix H: Conducted Spurious Emission

Test Result

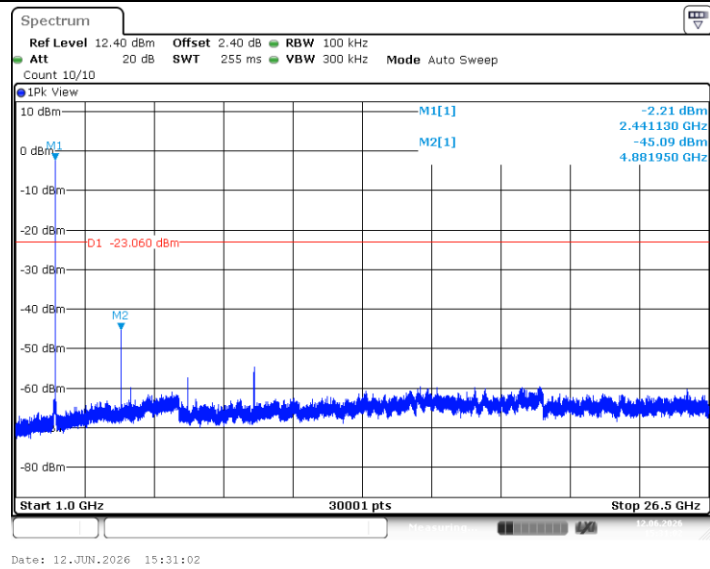
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-2.97	-2.97	---	PASS
		2441	Reference	-3.06	-3.06	---	PASS
			30~1000	-3.06	-57.57	≤-23.06	PASS
			1000~26500	-3.06	-45.09	≤-23.06	PASS
		2480	Reference	-3.27	-3.27	---	PASS
			30~1000	-3.27	-63.91	≤-23.27	PASS
			1000~26500	-3.27	-45.02	≤-23.27	PASS
2DH5	Ant1	2402	Reference	-2.96	-2.96	---	PASS
			30~1000	-2.96	-64.44	≤-22.96	PASS
			1000~26500	-2.96	-45.84	≤-22.96	PASS
		2441	Reference	-3.06	-3.06	---	PASS
			30~1000	-3.06	-63.83	≤-23.06	PASS
			1000~26500	-3.06	-43.07	≤-23.06	PASS
		2480	Reference	-3.26	-3.26	---	PASS
			30~1000	-3.26	-51.33	≤-23.26	PASS
			1000~26500	-3.26	-44.4	≤-23.26	PASS
3DH5	Ant1	2402	Reference	-2.96	-2.96	---	PASS
			30~1000	-2.96	-44.29	≤-22.96	PASS
			1000~26500	-2.96	-42.62	≤-22.96	PASS
		2441	Reference	-3.03	-3.03	---	PASS
			30~1000	-3.03	-59.74	≤-23.03	PASS
			1000~26500	-3.03	-44.28	≤-23.03	PASS
		2480	Reference	-3.25	-3.25	---	PASS
			30~1000	-3.25	-63.1	≤-23.25	PASS
			1000~26500	-3.25	-44.4	≤-23.25	PASS

Test Graphs

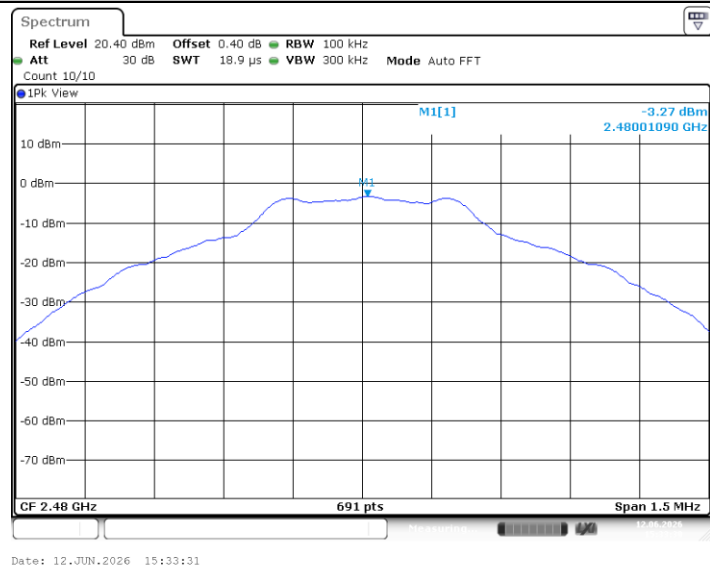




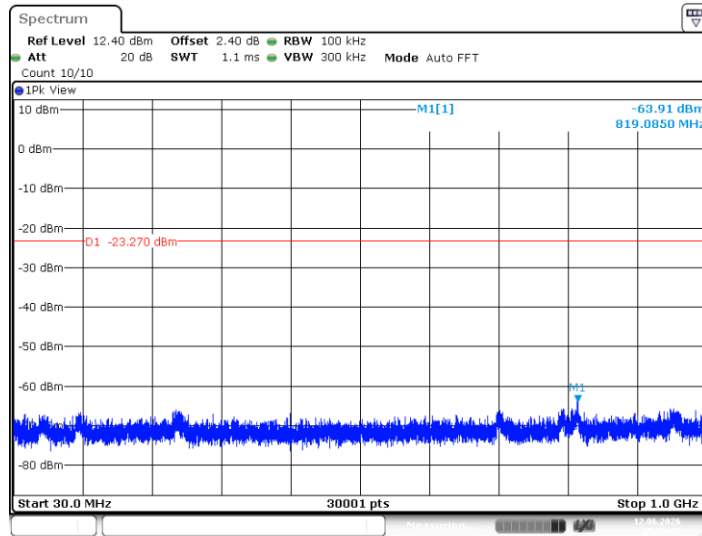
DH5_Ant1_2441_1000~26500



DH5_Ant1_2480_0~Reference

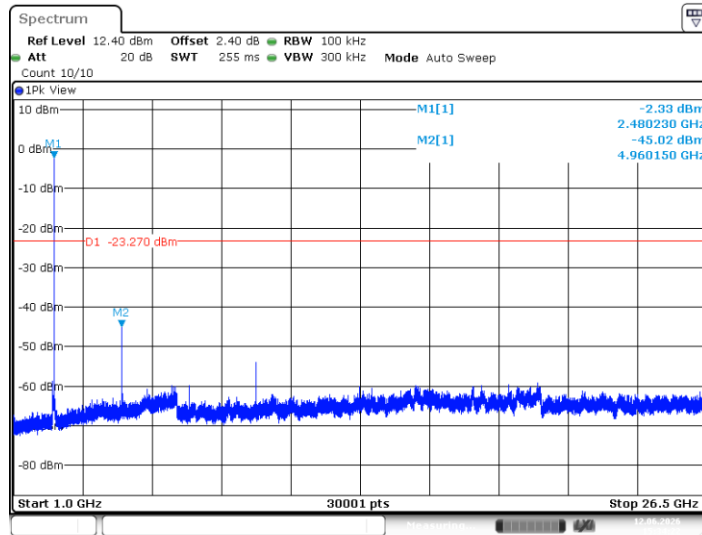


DH5_Ant1_2480_30~1000



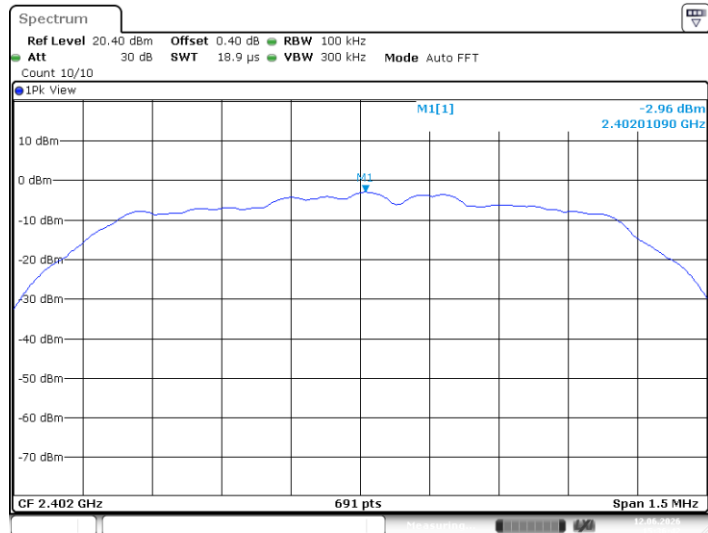
Date: 12.JUN.2026 15:33:45

DH5_Ant1_2480_1000~26500



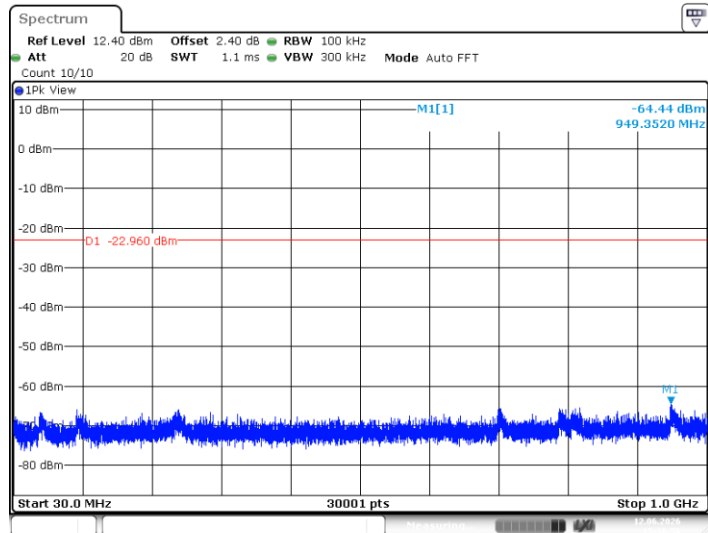
Date: 12.JUN.2026 15:34:23

2DH5_Ant1_2402_0~Reference



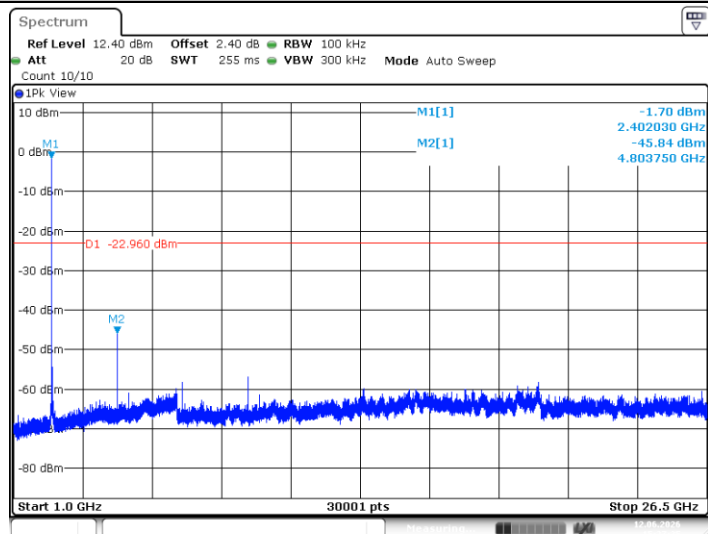
Date: 12.JUN.2026 15:36:42

2DH5_Ant1_2402_30~1000



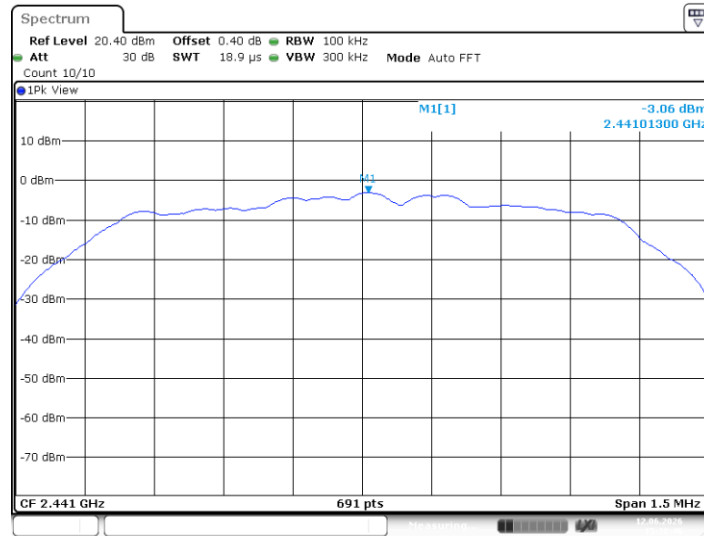
Date: 12.JUN.2026 15:36:57

2DH5_Ant1_2402_1000~26500



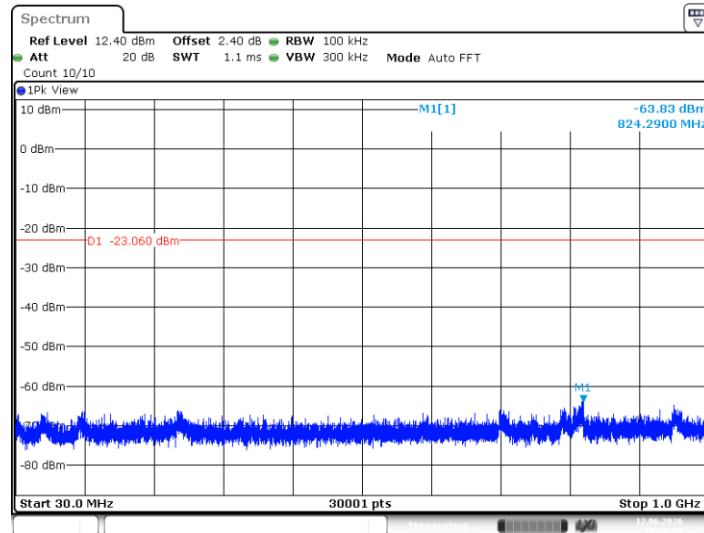
Date: 12.JUN.2026 15:37:34

2DH5_Ant1_2441_0~Reference



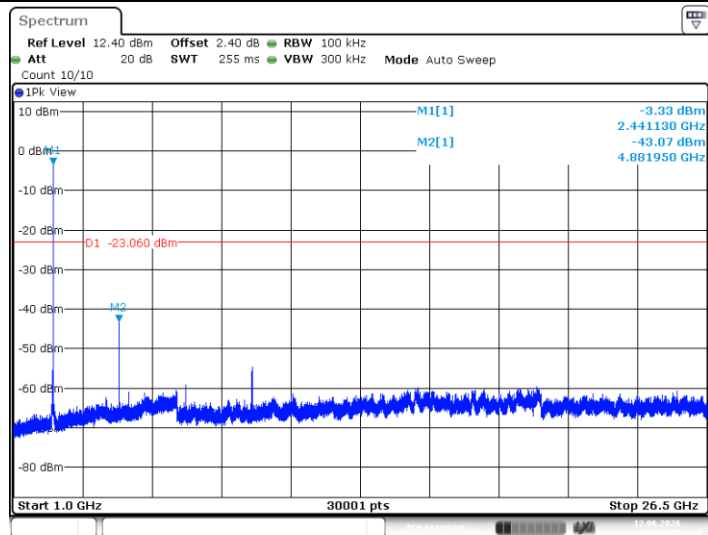
Date: 12.JUN.2026 15:38:46

2DH5_Ant1_2441_30~1000



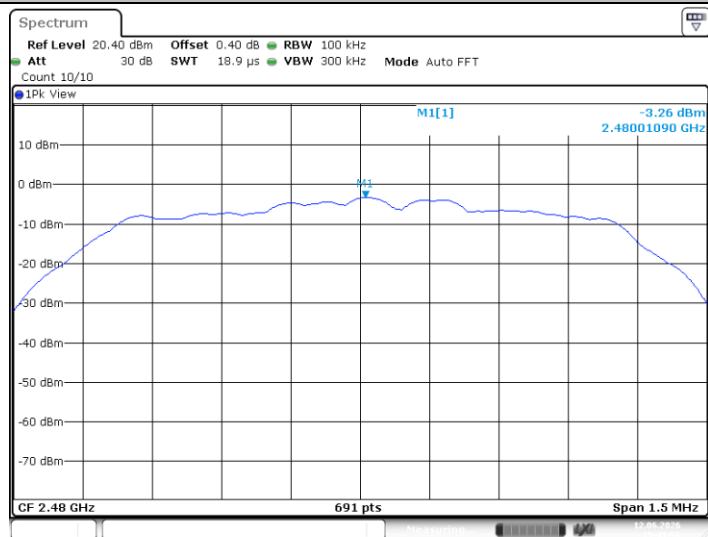
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2DH5_Ant1_2441_1000~26500



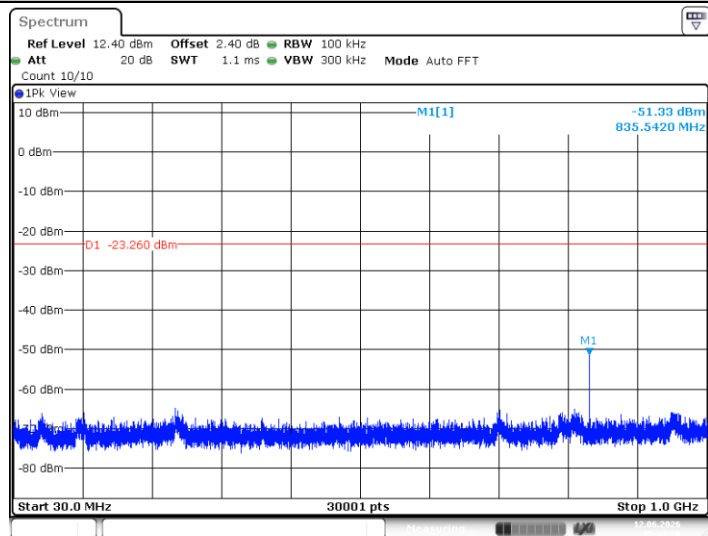
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2DH5_Ant1_2480_0~Reference



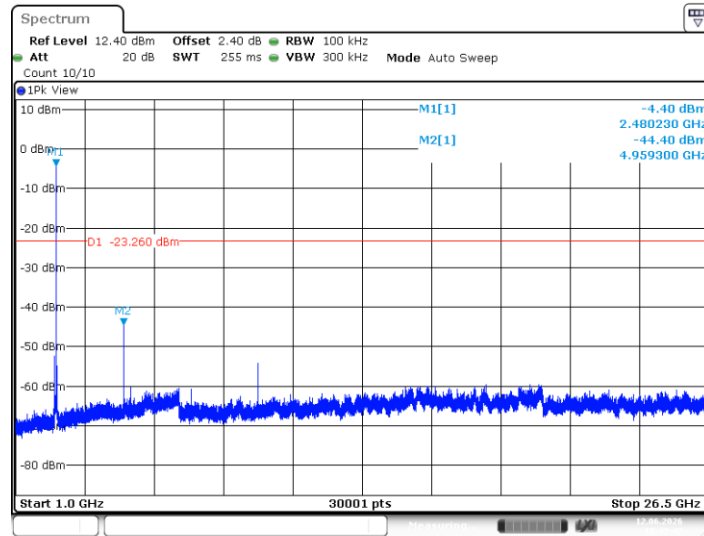
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2DH5_Ant1_2480_30~1000

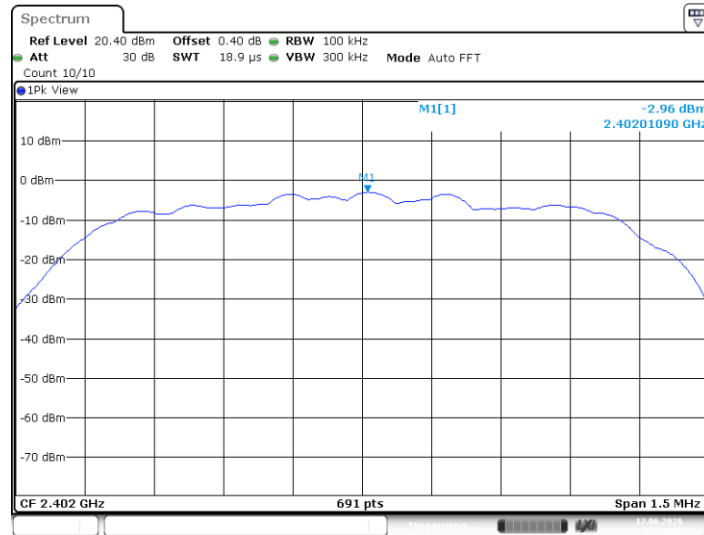


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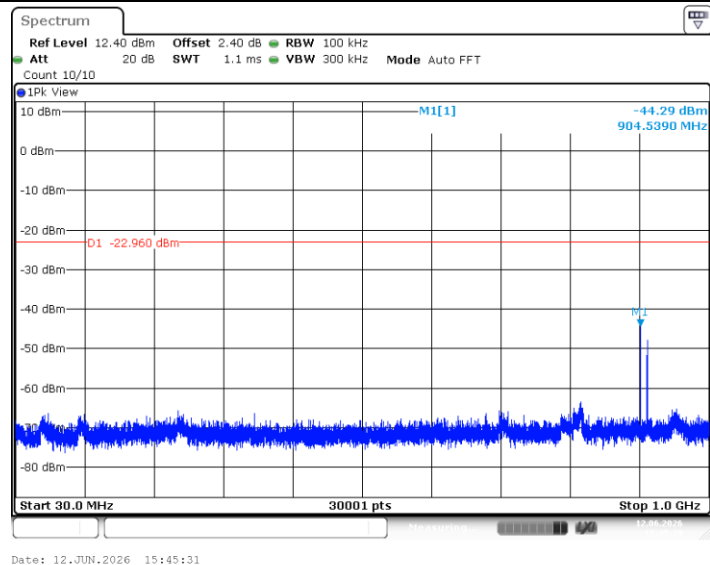
2DH5_Ant1_2480_1000~26500



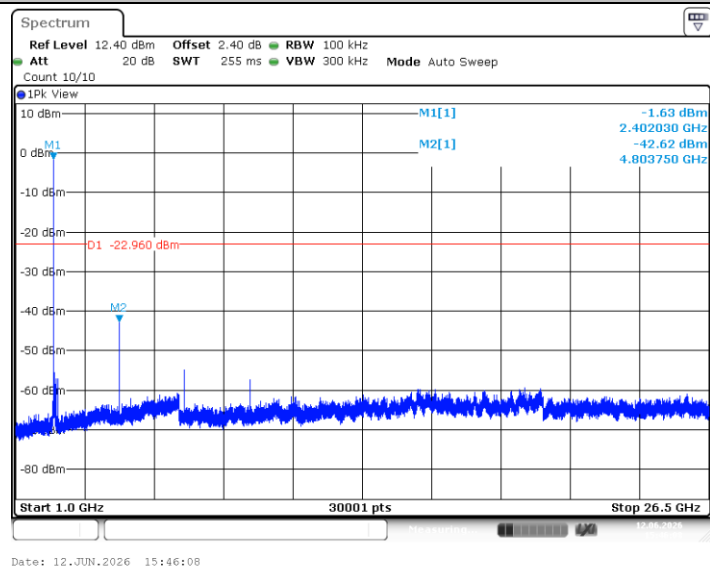
3DH5_Ant1_2402_0~Reference



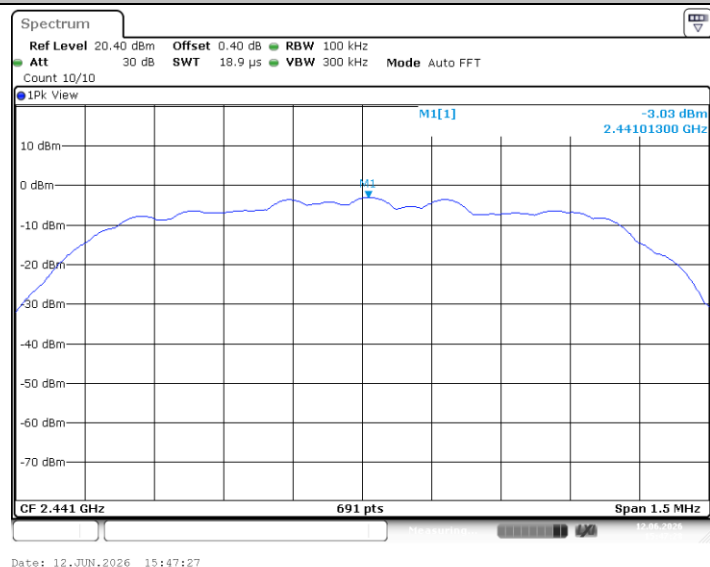
3DH5_Ant1_2402_30~1000

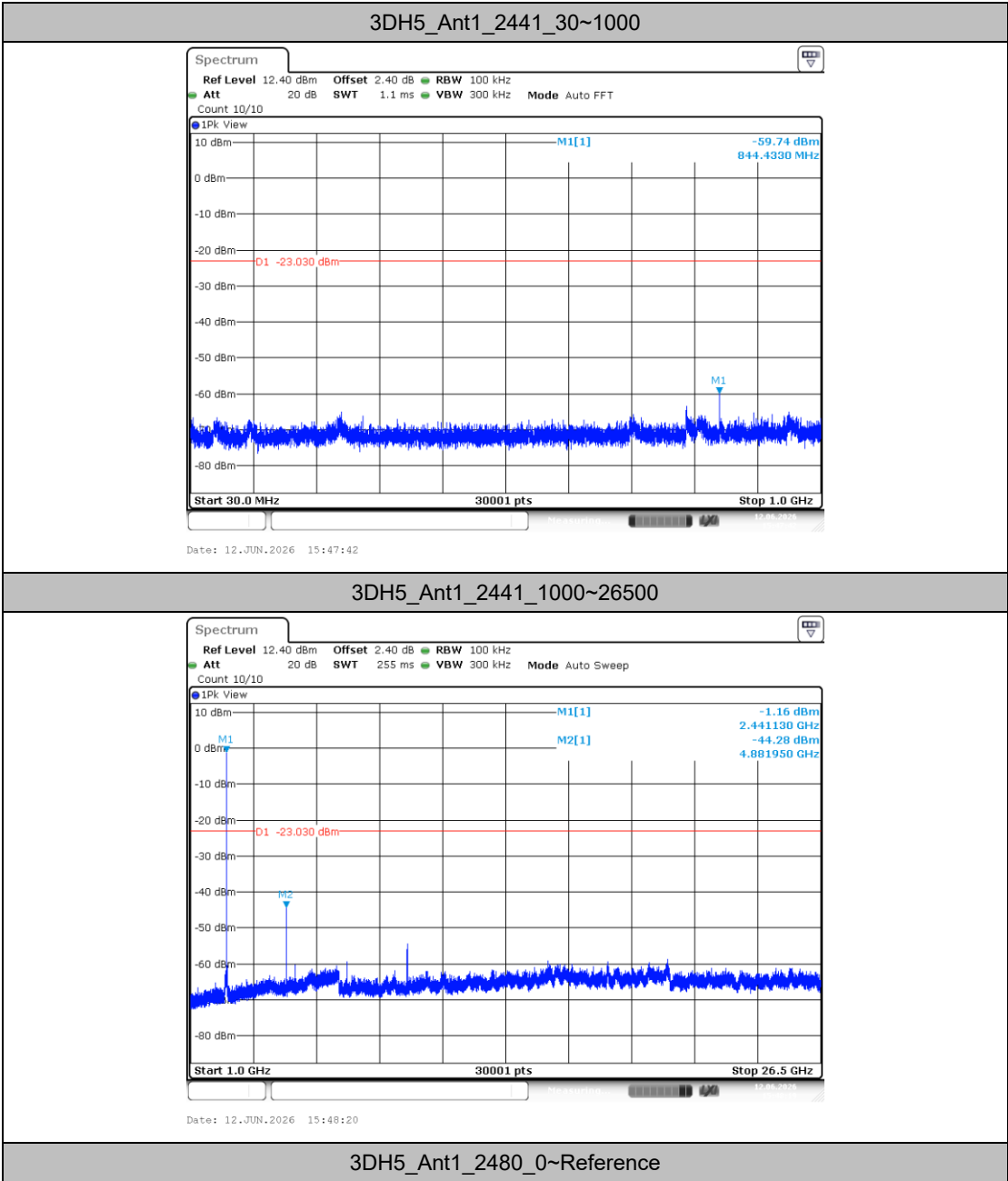


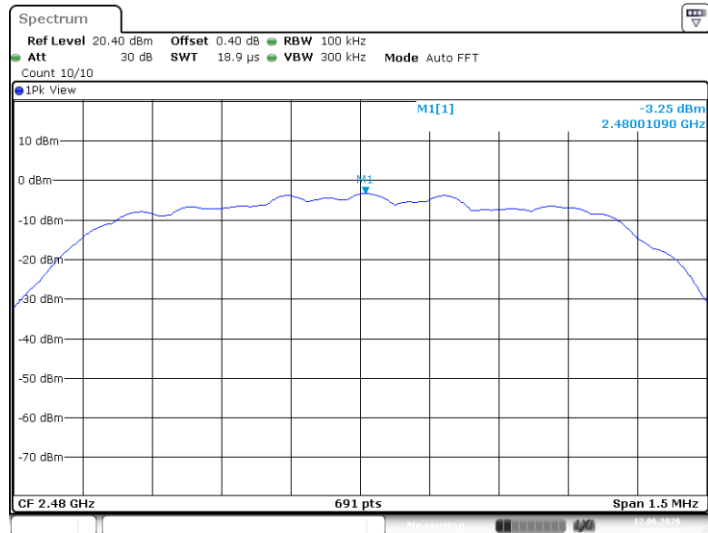
3DH5_Ant1_2402_1000~26500



3DH5_Ant1_2441_0~Reference

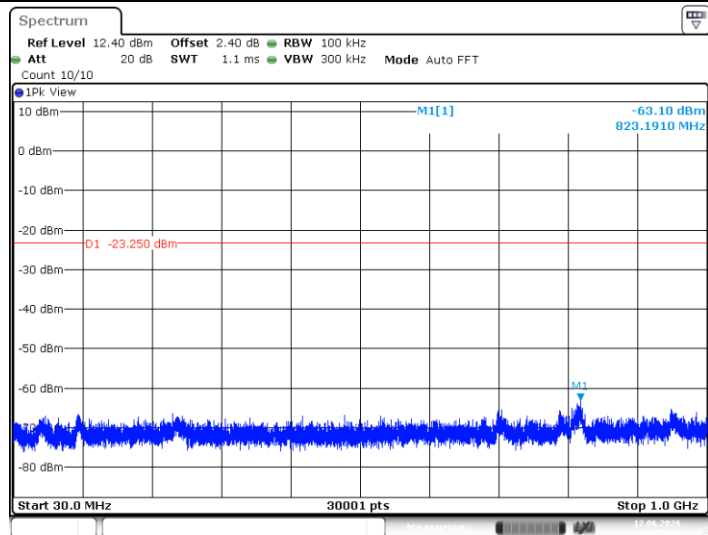






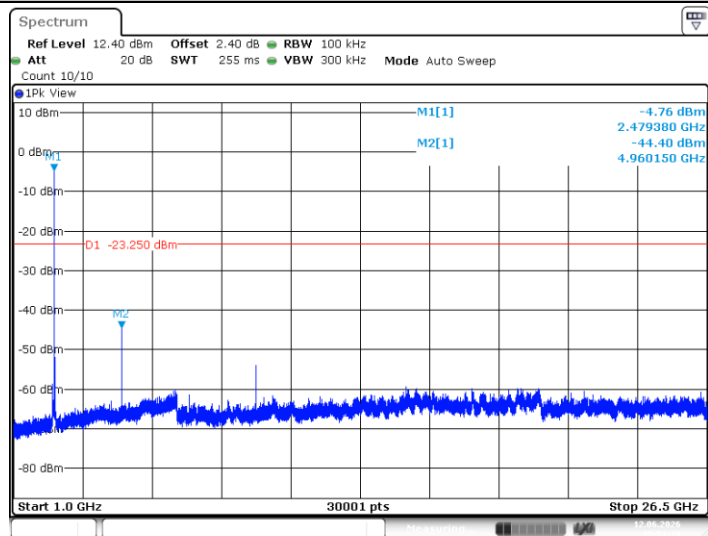
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3DH5_Ant1_2480_30~1000



Date: 12.JUN.2026 15:50:41

3DH5_Ant1_2480_1000~26500



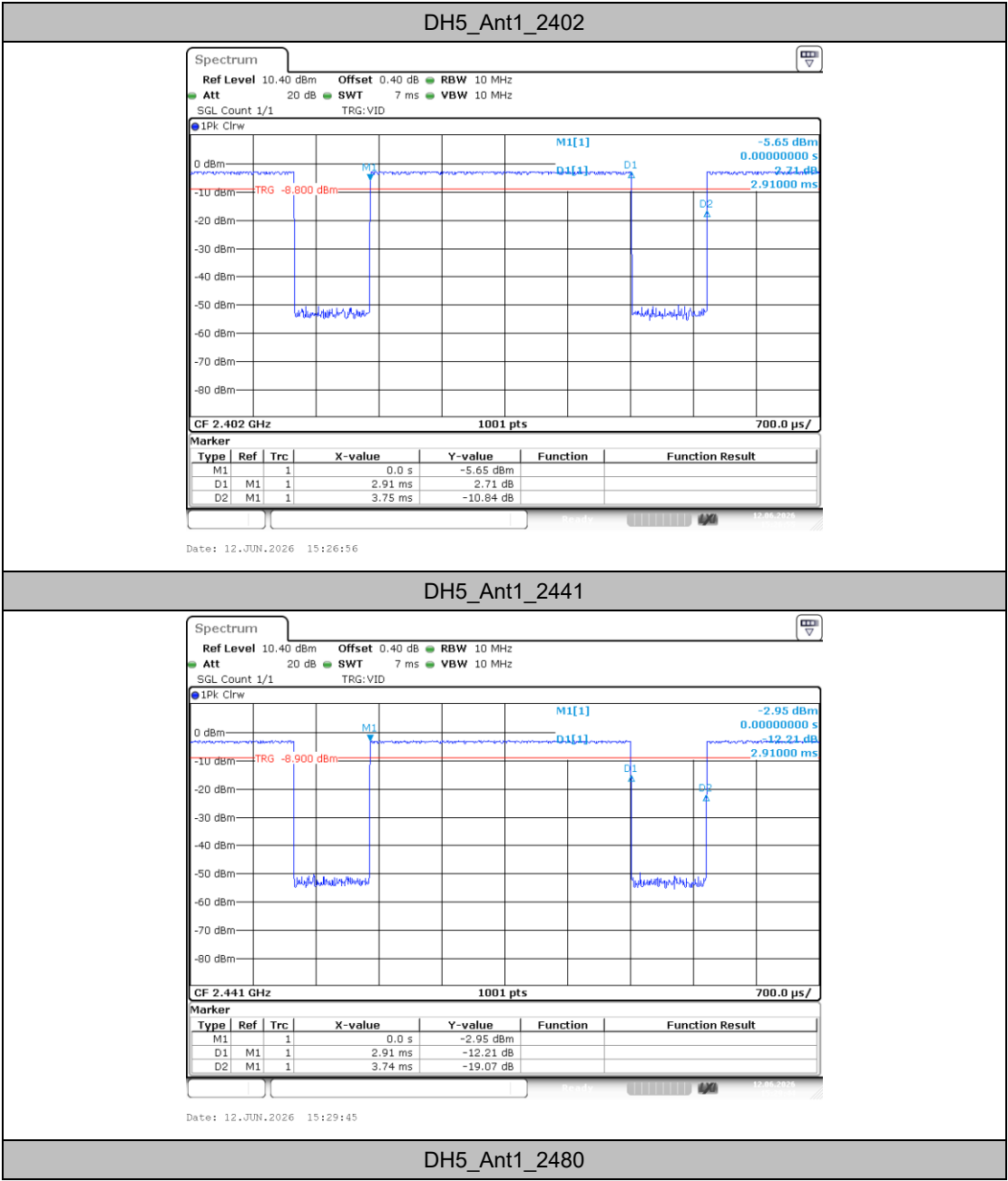
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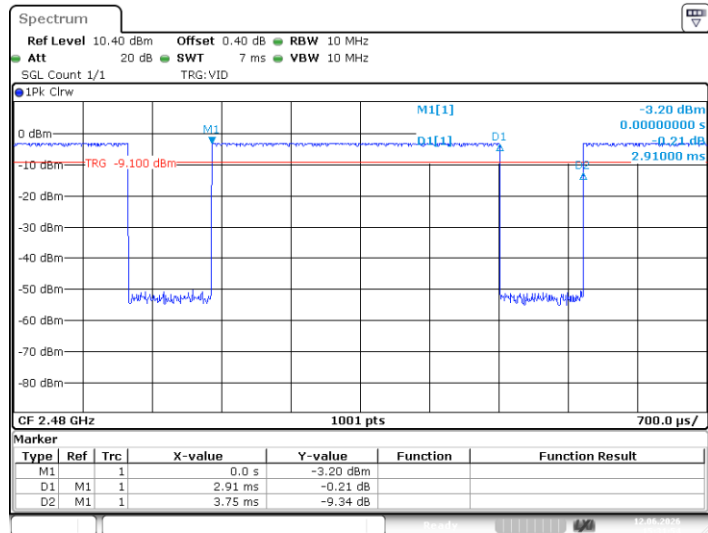
Appendix I: Duty Cycle

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	3.74	77.81	1.09	---	---
		2480	2.91	3.75	77.60	1.10	---	---
2DH5	Ant1	2402	2.91	3.75	77.60	1.10	---	---
		2441	2.92	3.75	77.87	1.09	---	---
		2480	2.91	3.75	77.60	1.10	---	---
3DH5	Ant1	2402	2.92	3.75	77.87	1.09	---	---
		2441	2.91	3.75	77.60	1.10	---	---
		2480	2.91	3.75	77.60	1.10	---	---

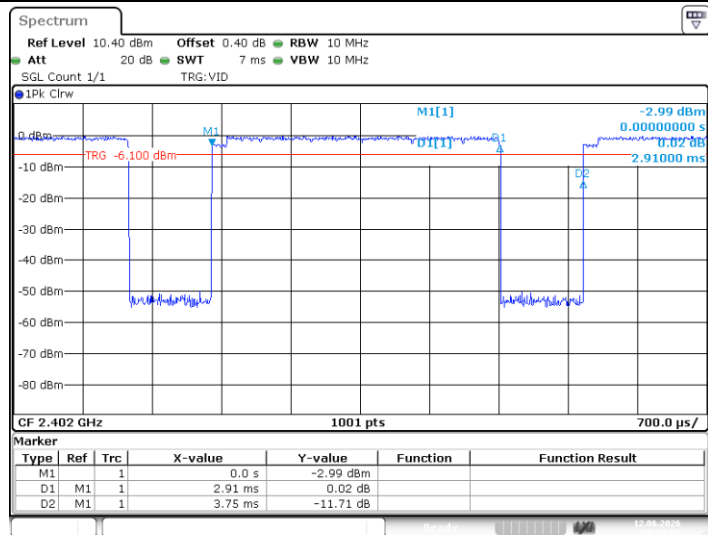
Test Graphs





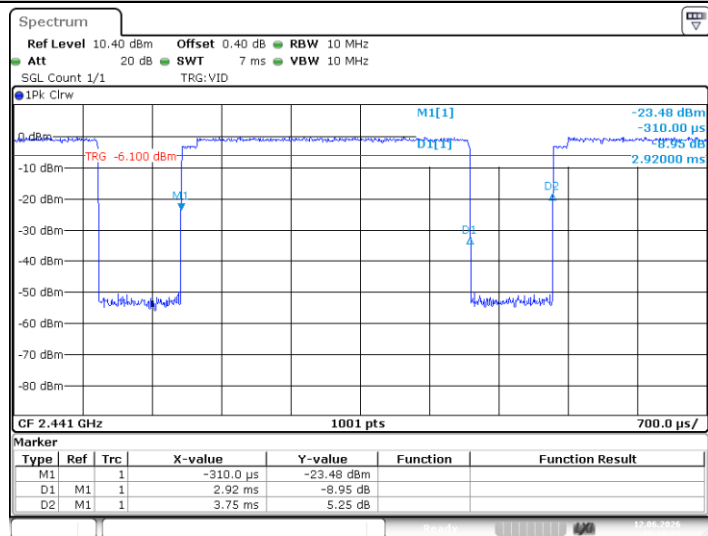
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2DH5_Ant1_2402



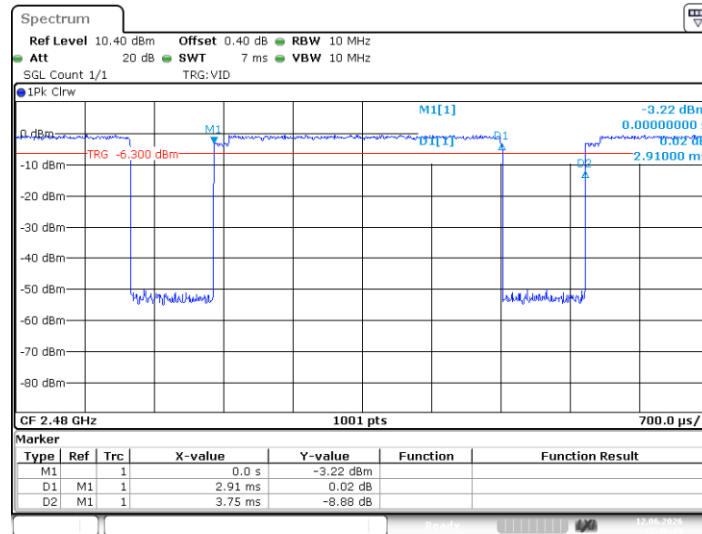
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2DH5_Ant1_2441



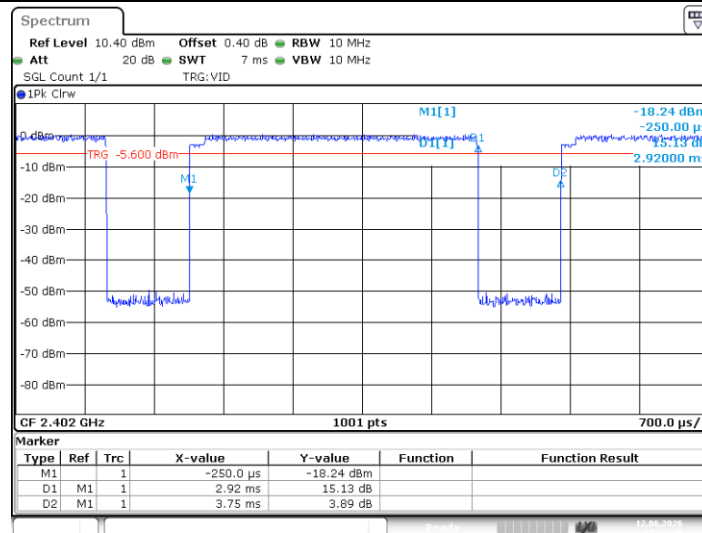
Date: 12.JUN.2026 15:38:21

2DH5_Ant1_2480



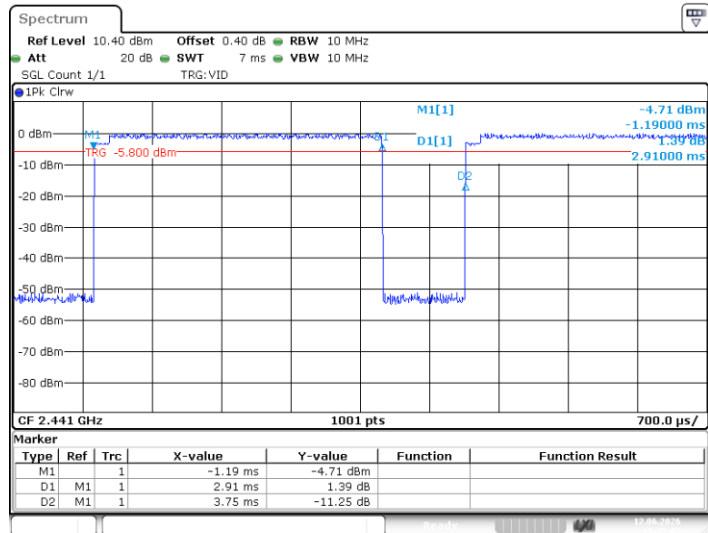
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3DH5_Ant1_2402



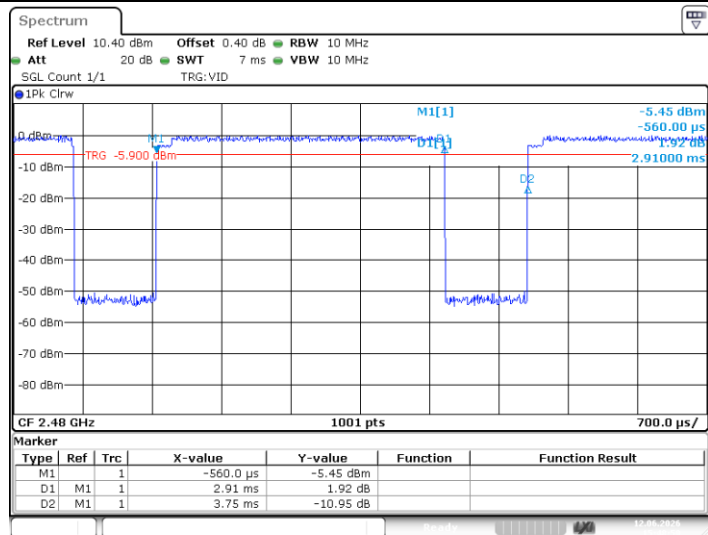
Date: 12.JUN.2026 15:43:39

3DH5_Ant1_2441



Date: 12.JUN.2026 15:47:03

3DH5_Ant1_2480



Date: 12.JUN.2026 15:48:50

Appendix J: Emissions in Restricted Bands

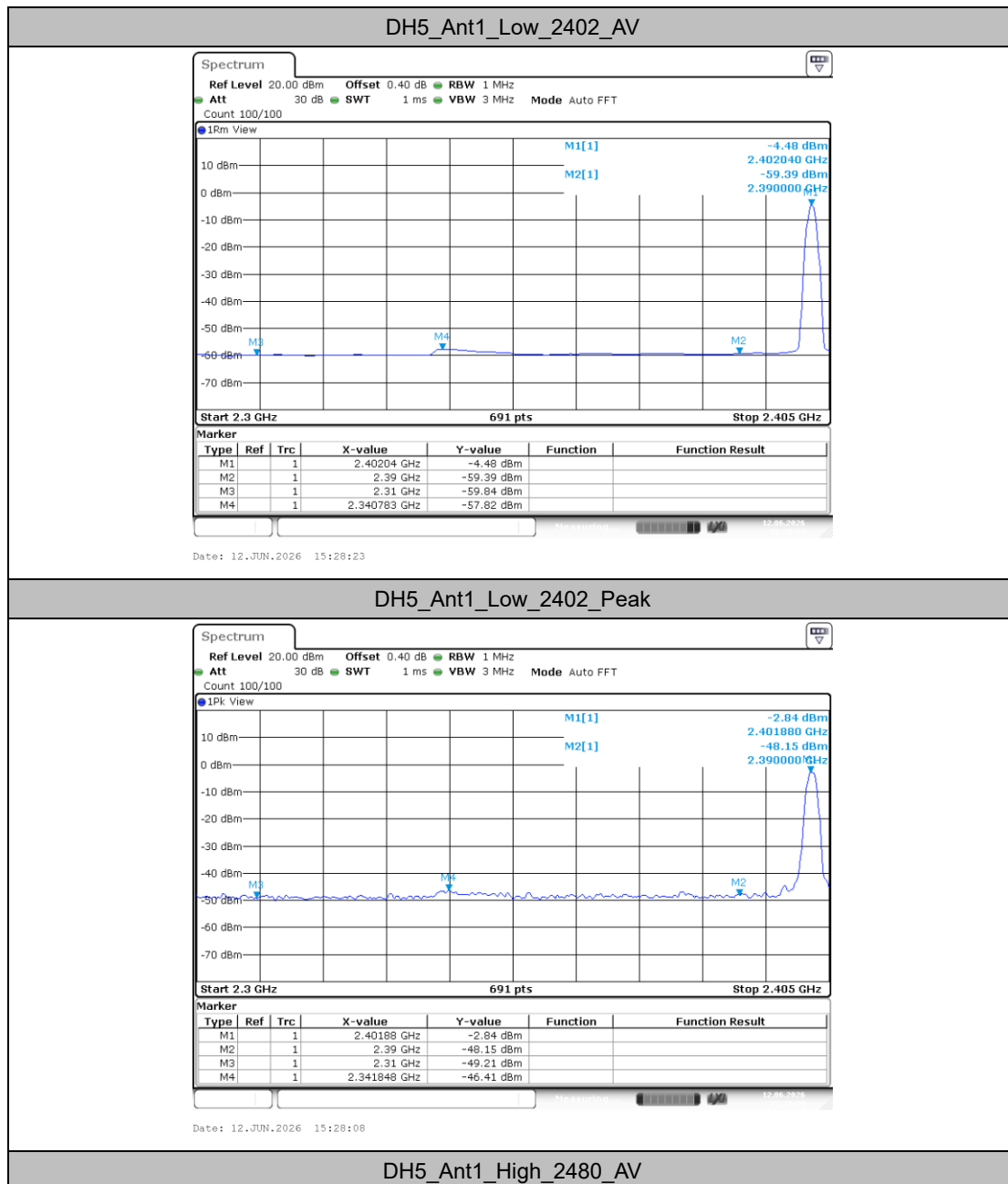
Test Result

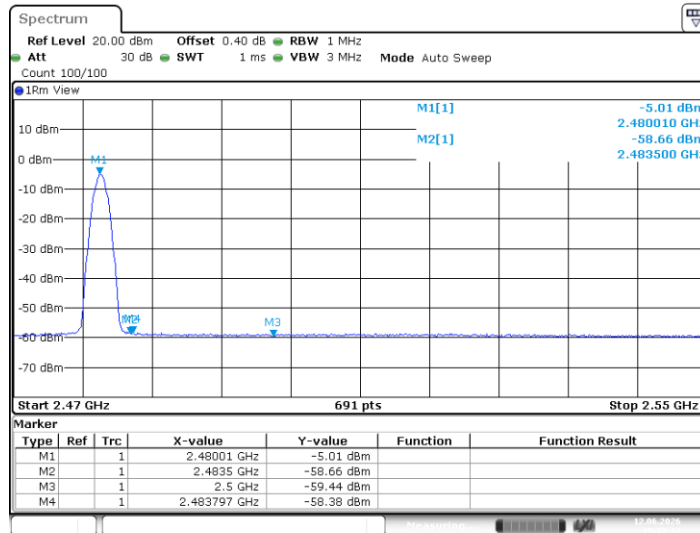
TestMod e	Antenn a	ChNam e	Freq(MH z)	Detector	Freq [MHz]	Result [dBm]	Gain [dB]	DC Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
DH5	Ant1	Low	2402	AV	2310.000	-59.84	2.00	1.10	38.46	≤54	PASS
				AV	2340.783	-57.82	2.00	1.10	40.48	≤54	PASS
				AV	2390.000	-59.39	2.00	1.10	38.91	≤54	PASS
				Peak	2310.000	-49.21	2.00	0.00	47.99	≤74	PASS
				Peak	2341.848	-46.41	2.00	0.00	50.79	≤74	PASS
				Peak	2390.000	-48.15	2.00	0.00	49.05	≤74	PASS
		High	2480	AV	2483.500	-58.66	2.00	1.10	39.64	≤54	PASS
				AV	2483.797	-58.38	2.00	1.10	39.92	≤54	PASS
				AV	2500.000	-59.44	2.00	1.10	38.86	≤54	PASS
				Peak	2483.500	-46.19	2.00	0.00	51.01	≤74	PASS
				Peak	2484.493	-45.22	2.00	0.00	51.98	≤74	PASS
				Peak	2500.000	-48.21	2.00	0.00	48.99	≤74	PASS
2DH5	Ant1	Low	2402	AV	2310.000	-59.85	2.00	1.10	38.45	≤54	PASS
				AV	2342.609	-57.87	2.00	1.10	40.43	≤54	PASS
				AV	2390.000	-59.4	2.00	1.10	38.90	≤54	PASS
				Peak	2310.000	-49.33	2.00	0.00	47.87	≤74	PASS
				Peak	2348.696	-45.94	2.00	0.00	51.26	≤74	PASS
				Peak	2390.000	-48.46	2.00	0.00	48.74	≤74	PASS
		High	2480	AV	2483.500	-58.44	2.00	1.10	39.86	≤54	PASS
				AV	2483.797	-58.31	2.00	1.10	39.99	≤54	PASS
				AV	2500.000	-58.93	2.00	1.10	39.37	≤54	PASS
				Peak	2483.500	-47.48	2.00	0.00	49.72	≤74	PASS
				Peak	2484.725	-44.39	2.00	0.00	52.81	≤74	PASS
				Peak	2500.000	-48.9	2.00	0.00	48.30	≤74	PASS
3DH5	Ant1	Low	2402	AV	2310.000	-59.81	2.00	1.09	38.48	≤54	PASS
				AV	2340.630	-57.83	2.00	1.09	40.46	≤54	PASS
				AV	2390.000	-59.42	2.00	1.09	38.87	≤54	PASS
				Peak	2310.000	-48.3	2.00	0.00	48.90	≤74	PASS
				Peak	2340.478	-46.23	2.00	0.00	50.97	≤74	PASS
				Peak	2390.000	-48.91	2.00	0.00	48.29	≤74	PASS
		High	2480	AV	2483.500	-58.6	2.00	1.10	39.70	≤54	PASS
				AV	2484.029	-58.39	2.00	1.10	39.91	≤54	PASS
				AV	2500.000	-59.32	2.00	1.10	38.98	≤54	PASS
				Peak	2483.500	-46.58	2.00	0.00	50.62	≤74	PASS
				Peak	2484.145	-45.5	2.00	0.00	51.70	≤74	PASS
				Peak	2500.000	-48.61	2.00	0.00	48.59	≤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.

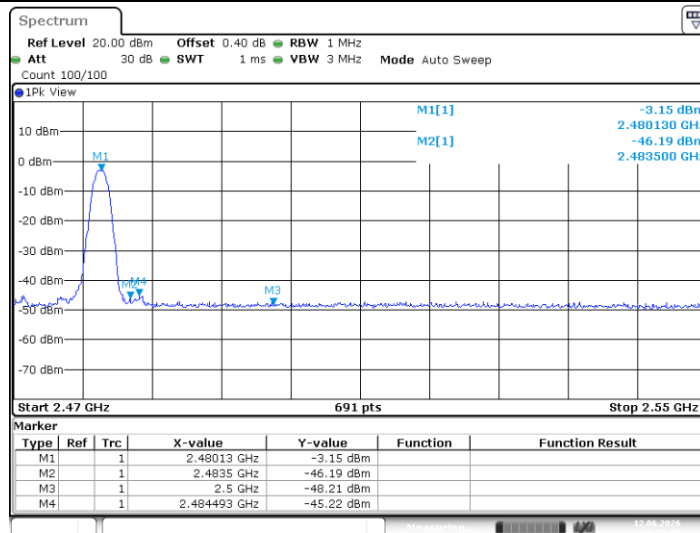
Test Graphs





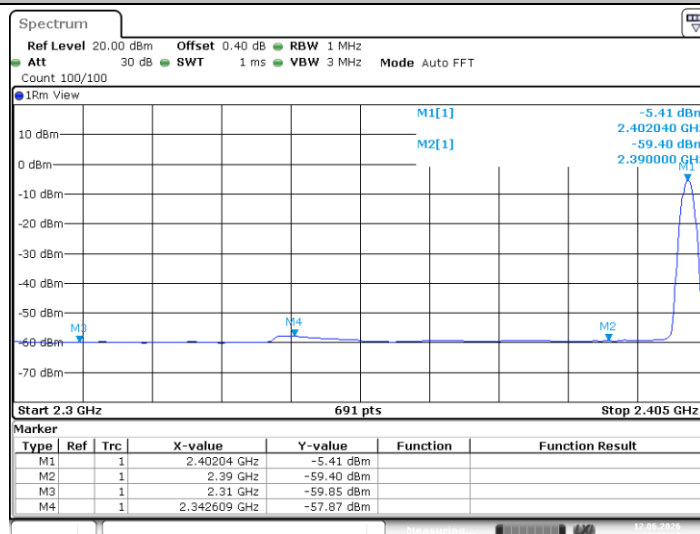
Date: 12.JUN.2026 15:33:21

DH5_Ant1_High_2480_Peak



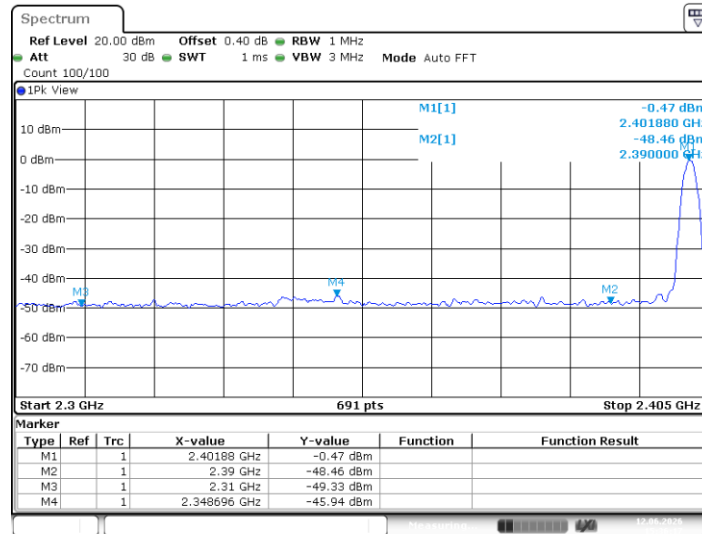
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2DH5_Ant1_Low_2402_AV



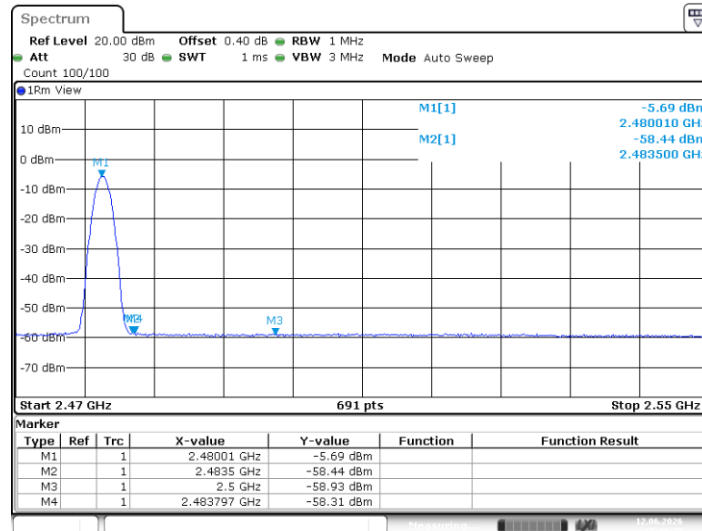
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2DH5_Ant1_Low_2402_Peak



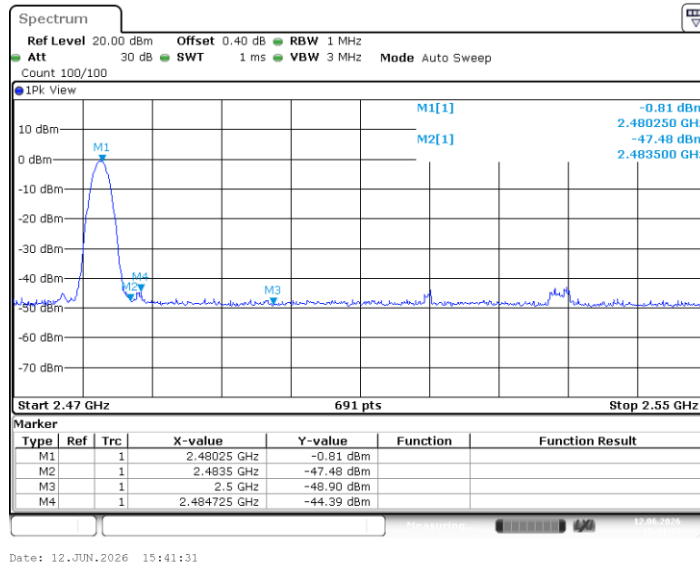
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2DH5_Ant1_High_2480_AV

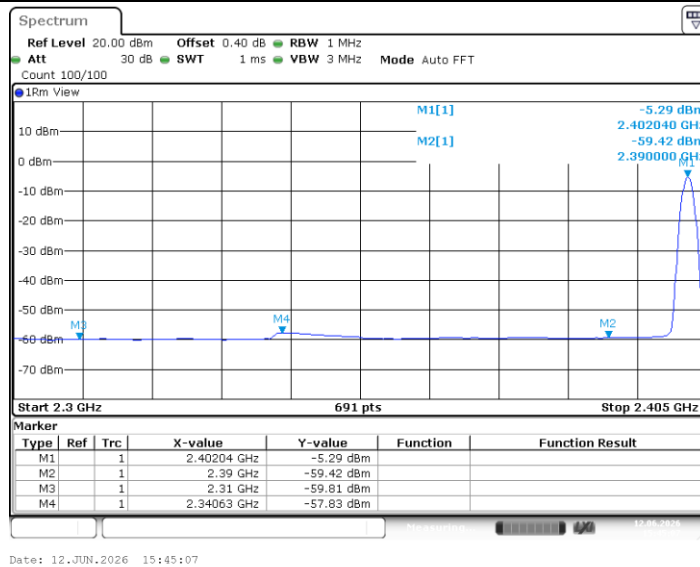


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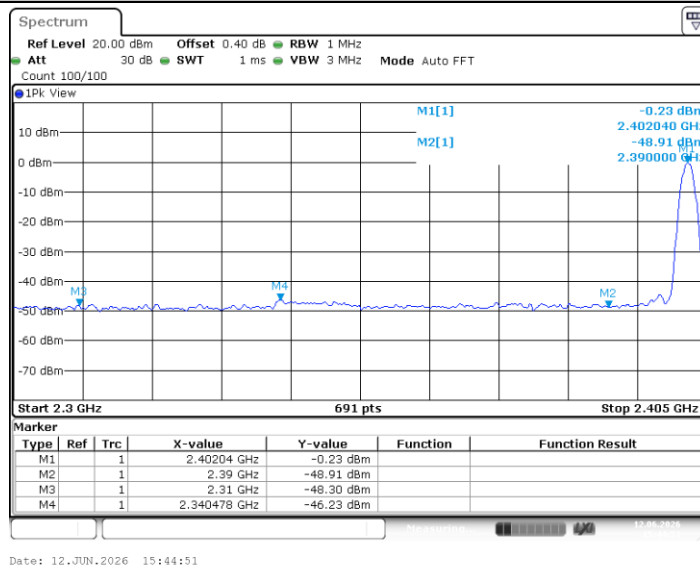
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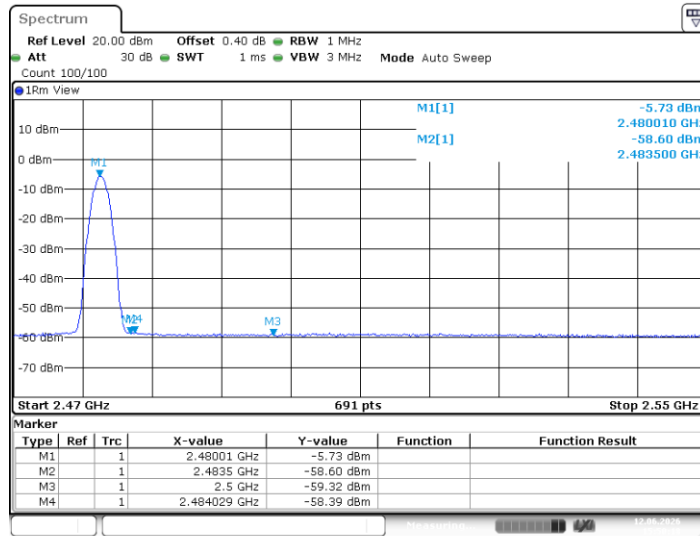
3DH5_Ant1_Low_2402_AV



3DH5_Ant1_Low_2402_Peak

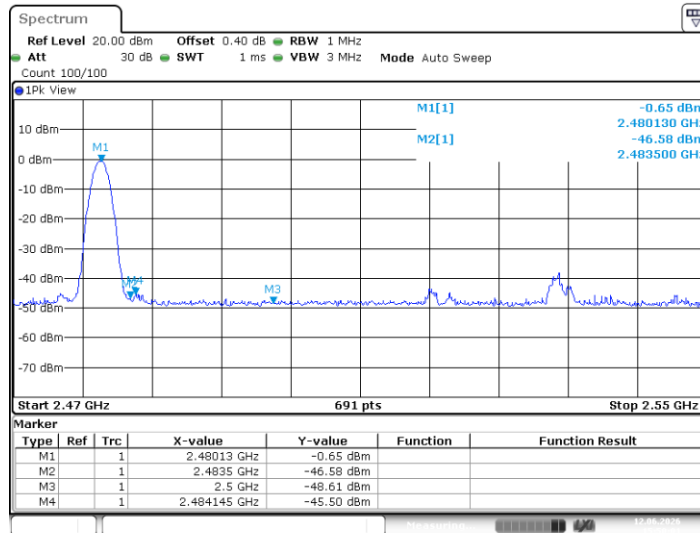


3DH5_Ant1_High_2480_AV



Date: 12.JUN.2026 15:50:17

3DH5_Ant1_High_2480_Peak



Date: 12.JUN.2026 15:50:02