

FCC Appendix RF Test Data for BT

FCC ID : 2AUC3-K813K

Company : Shenzhen JingXinTai Houseware Co., Ltd.

EUT : Nebulizing Diffuser

Model Number : K813K

Report No. : CTA26052600102

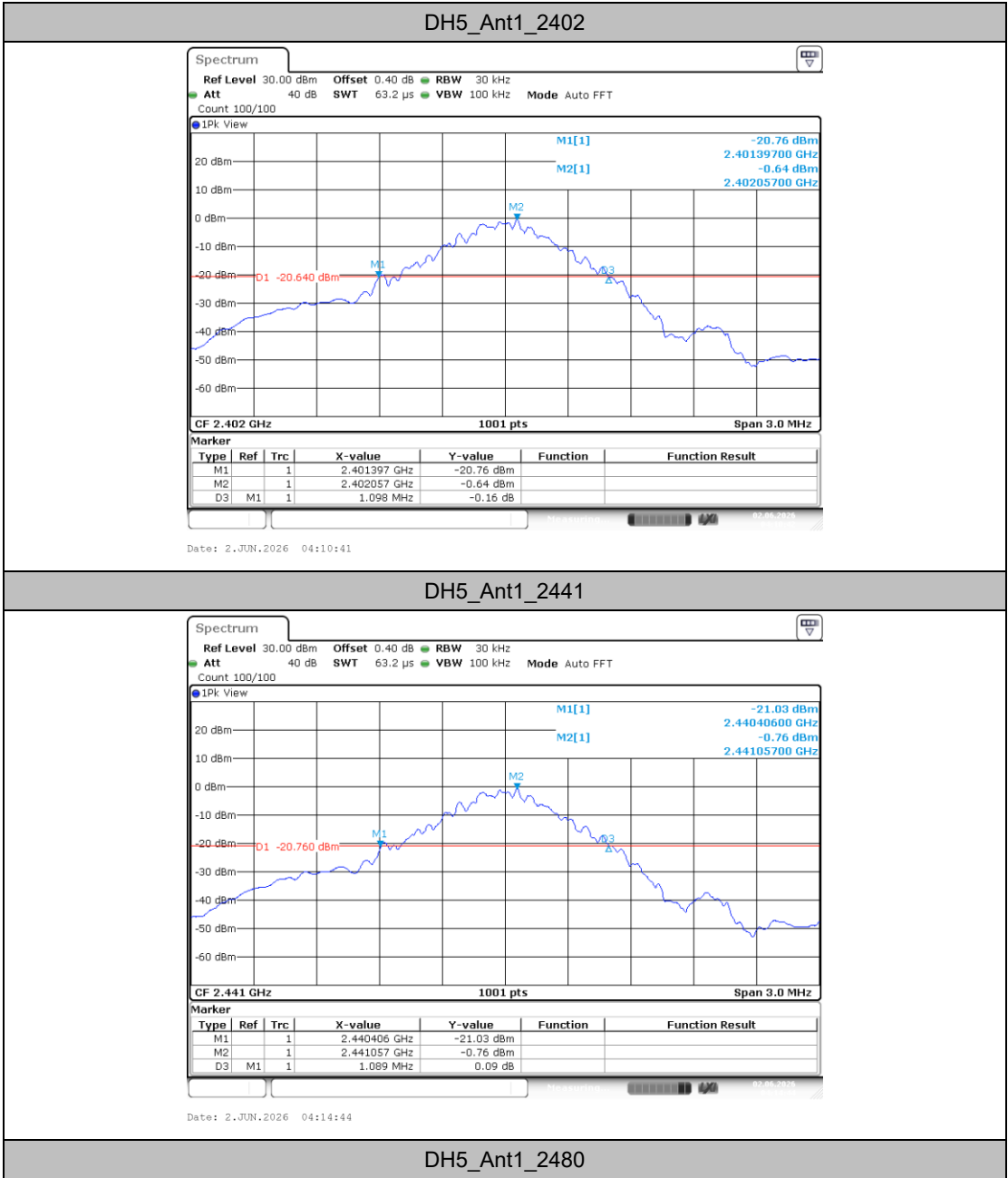
Reviewed By : Eric Wang

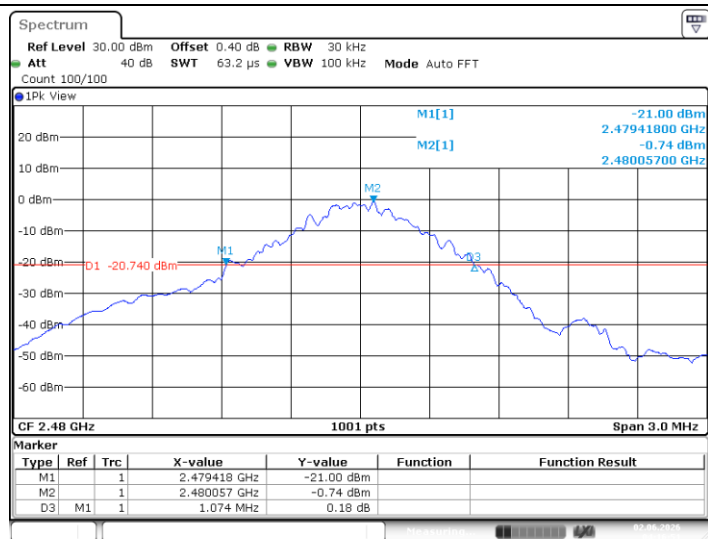
Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.10	2401.40	2402.50	---	---
		2441	1.09	2440.41	2441.50	---	---
		2480	1.07	2479.42	2480.49	---	---

Test Graphs





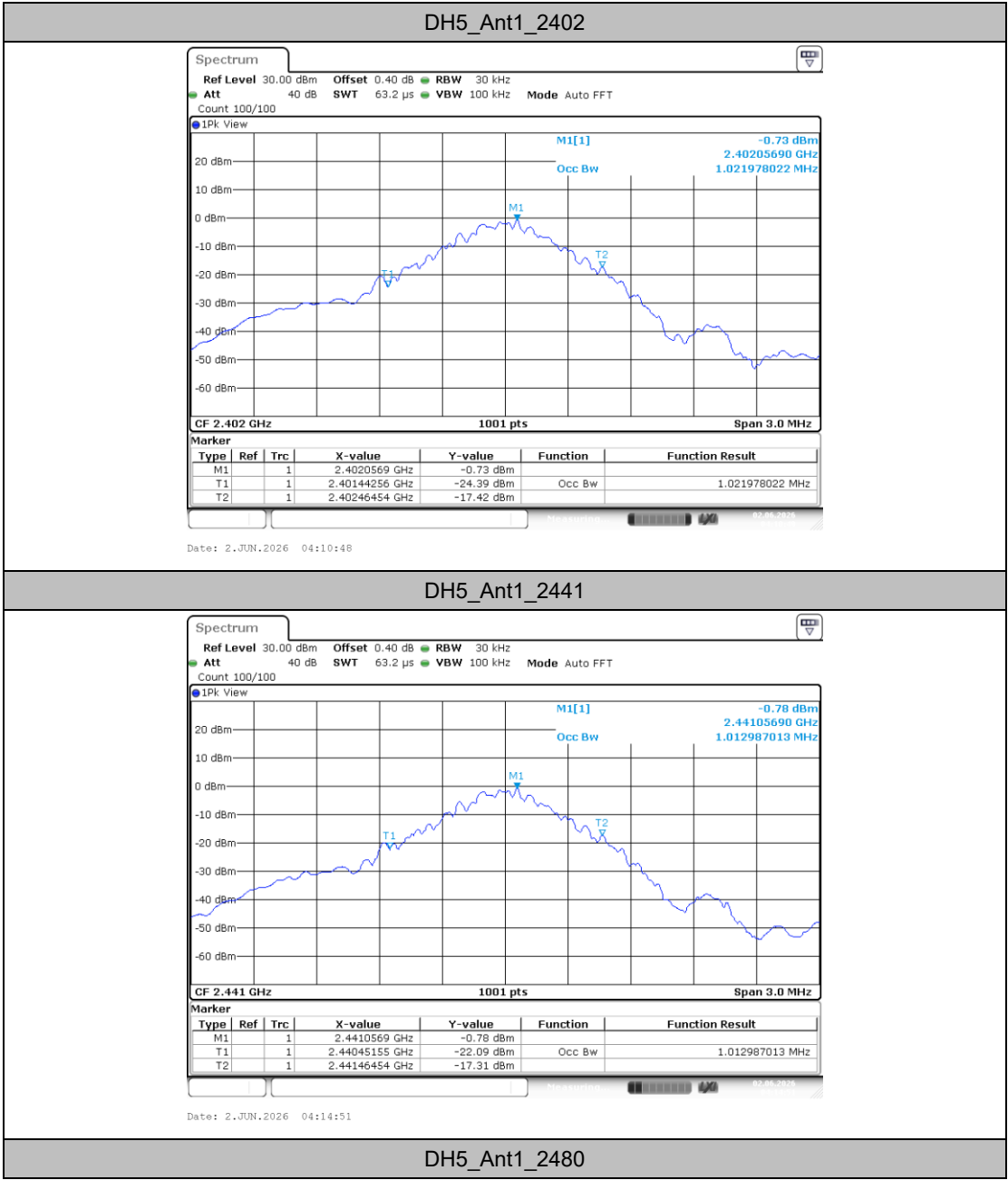
Date: 2.JUN.2026 04:16:51

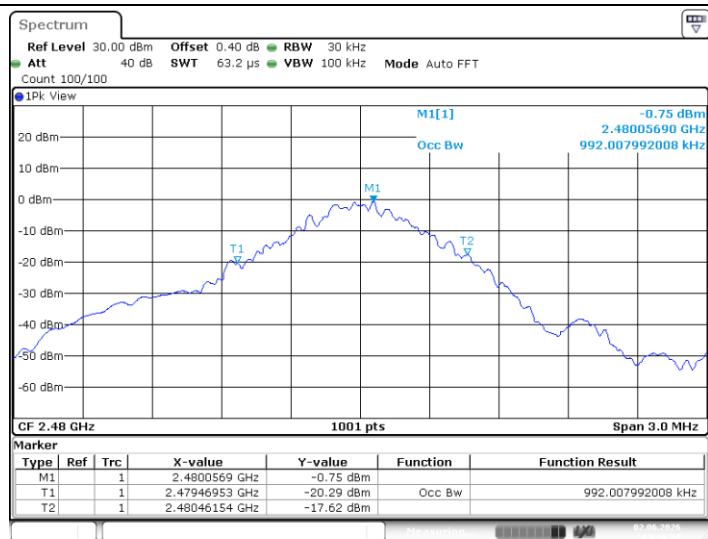
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.0220	2401.4426	2402.4645	---	---
		2441	1.0130	2440.4515	2441.4645	---	---
		2480	0.99201	2479.4695	2480.4615	---	---

Test Graphs





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Appendix C: Maximum conducted output power

Test Result Peak

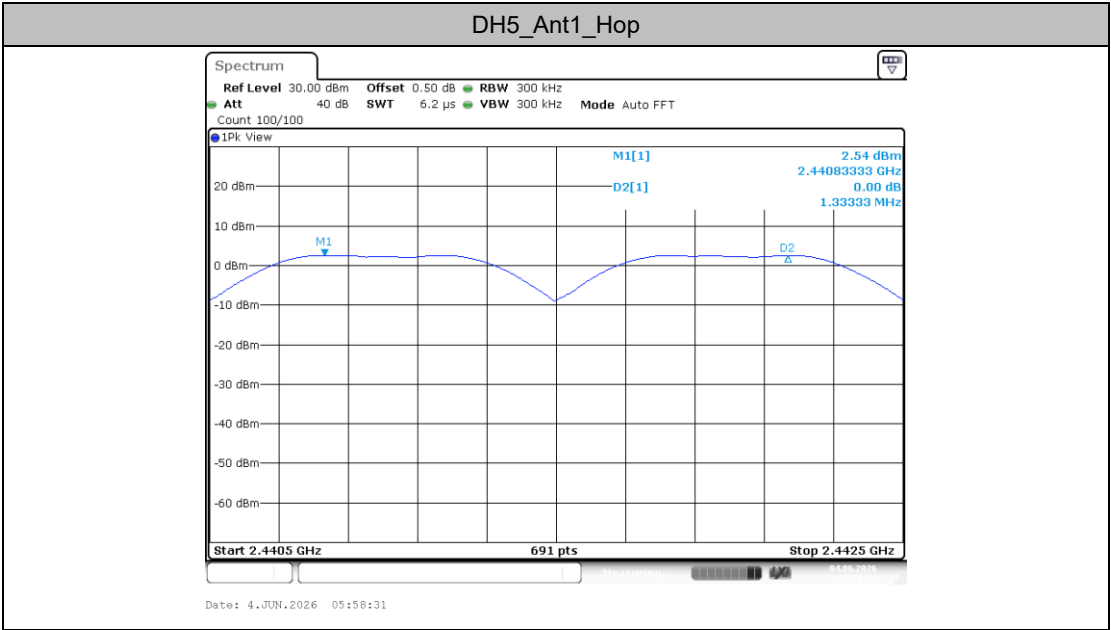
Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	2.18	≤20.97	PASS
		2441	2.13	≤20.97	PASS
		2480	2.12	≤20.97	PASS

Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.333	≥1.100	PASS

Test Graphs

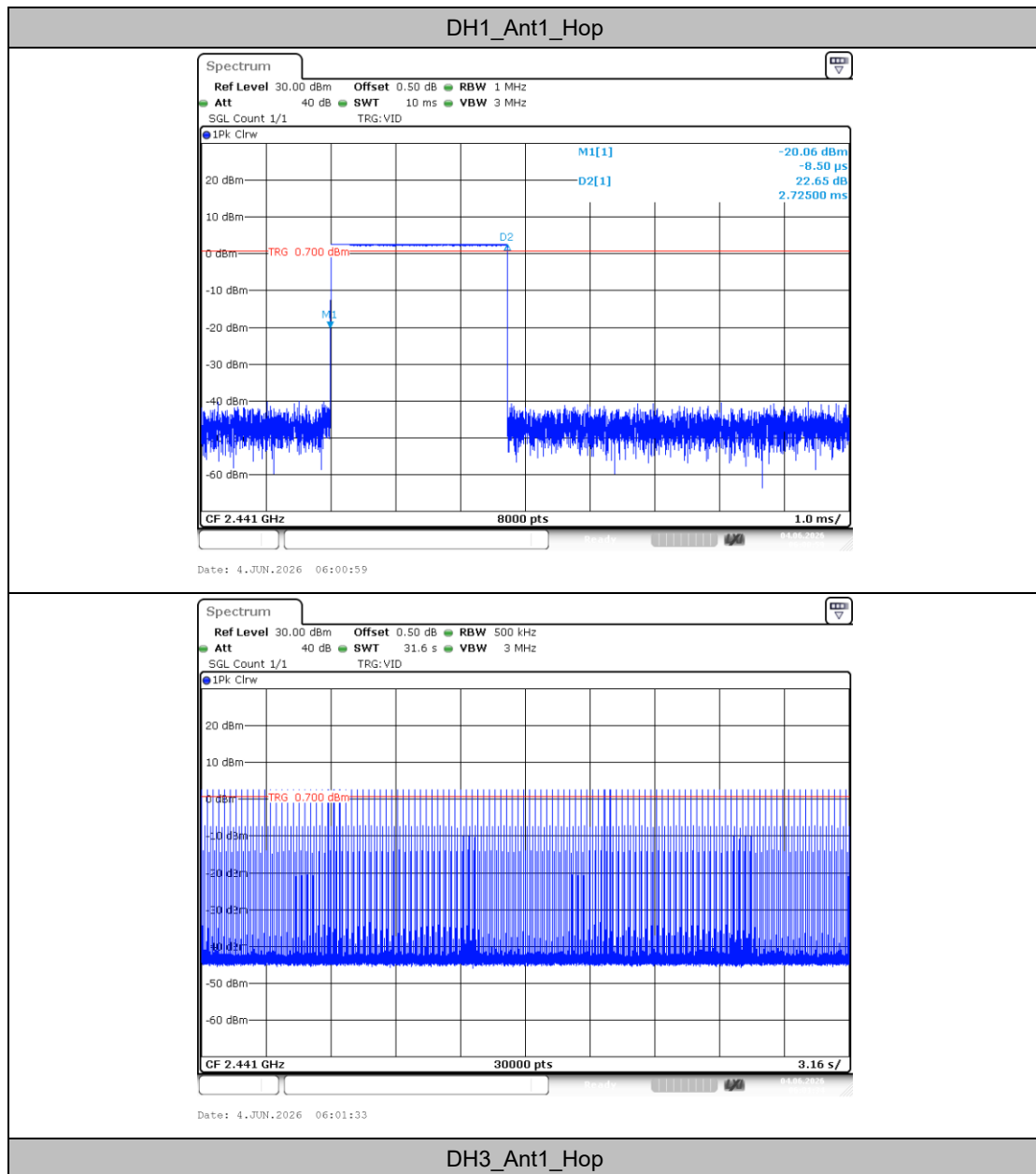


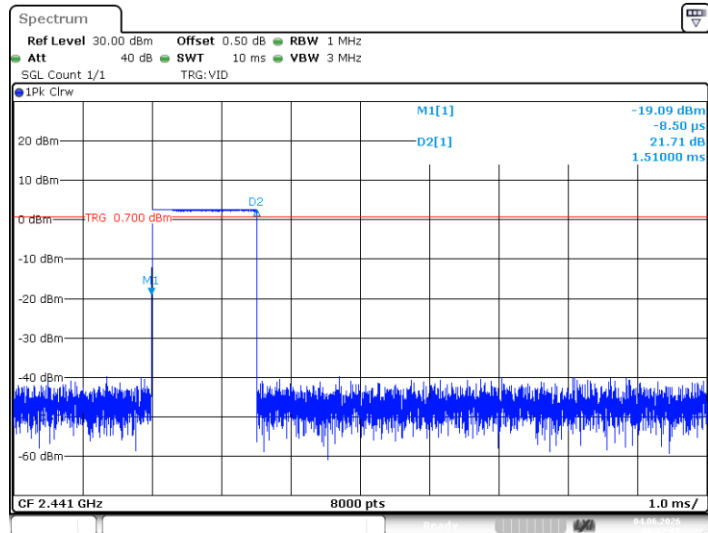
Appendix E: Time of occupancy

Test Result

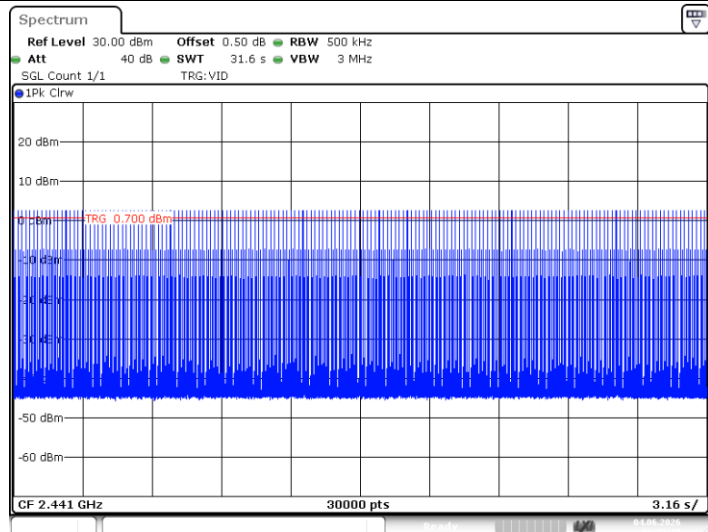
TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	2.725	113	0.308	≤0.4	PASS
DH3	Ant1	Hop	1.510	173	0.261	≤0.4	PASS
DH5	Ant1	Hop	2.725	113	0.308	≤0.4	PASS

Test Graphs



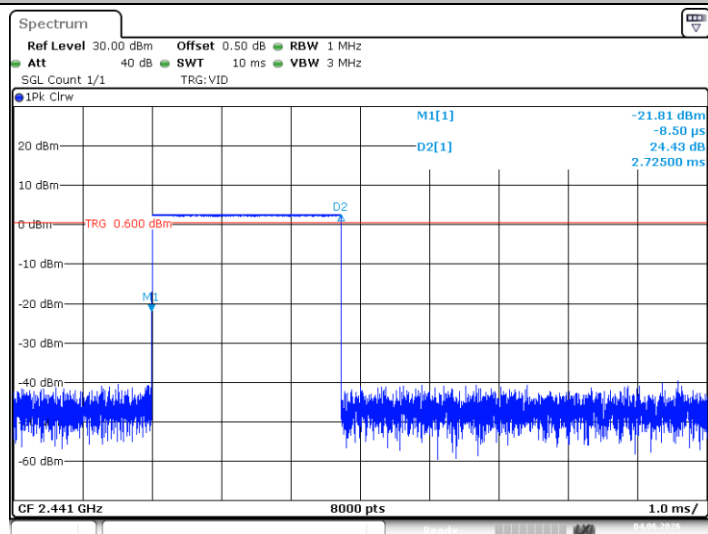


Date: 4.JUN.2026 06:02:04

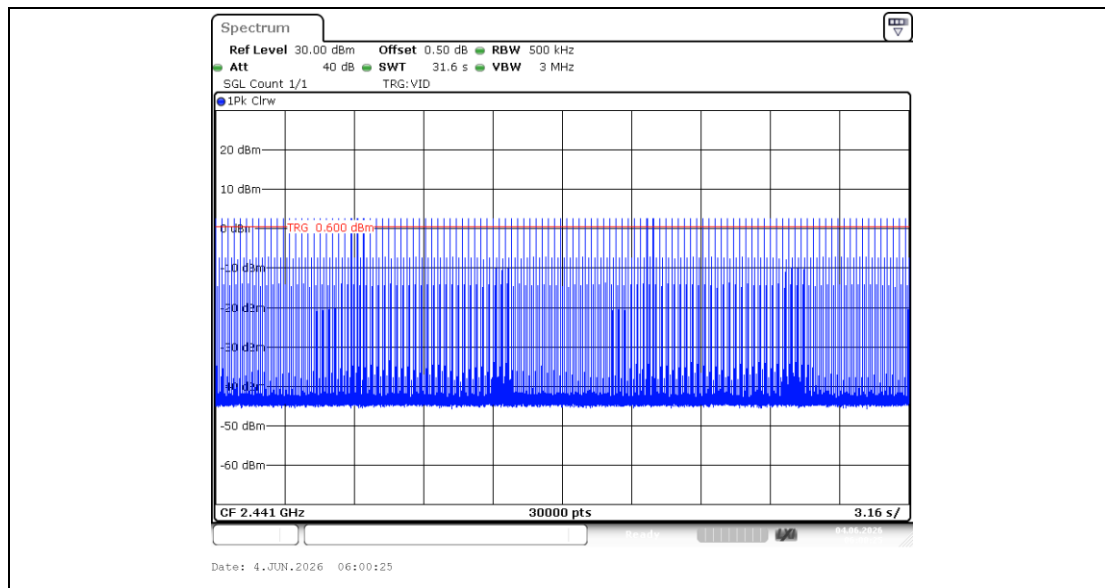


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DH5_Ant1_Hop



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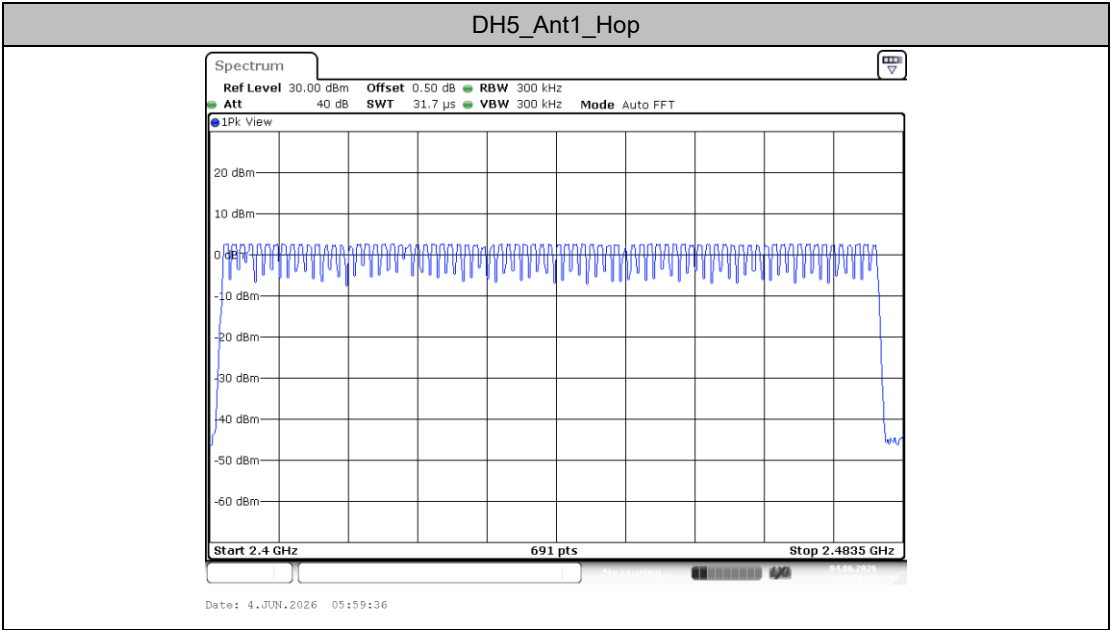


Appendix F: Number of hopping channels

Test Result

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

Test Graphs

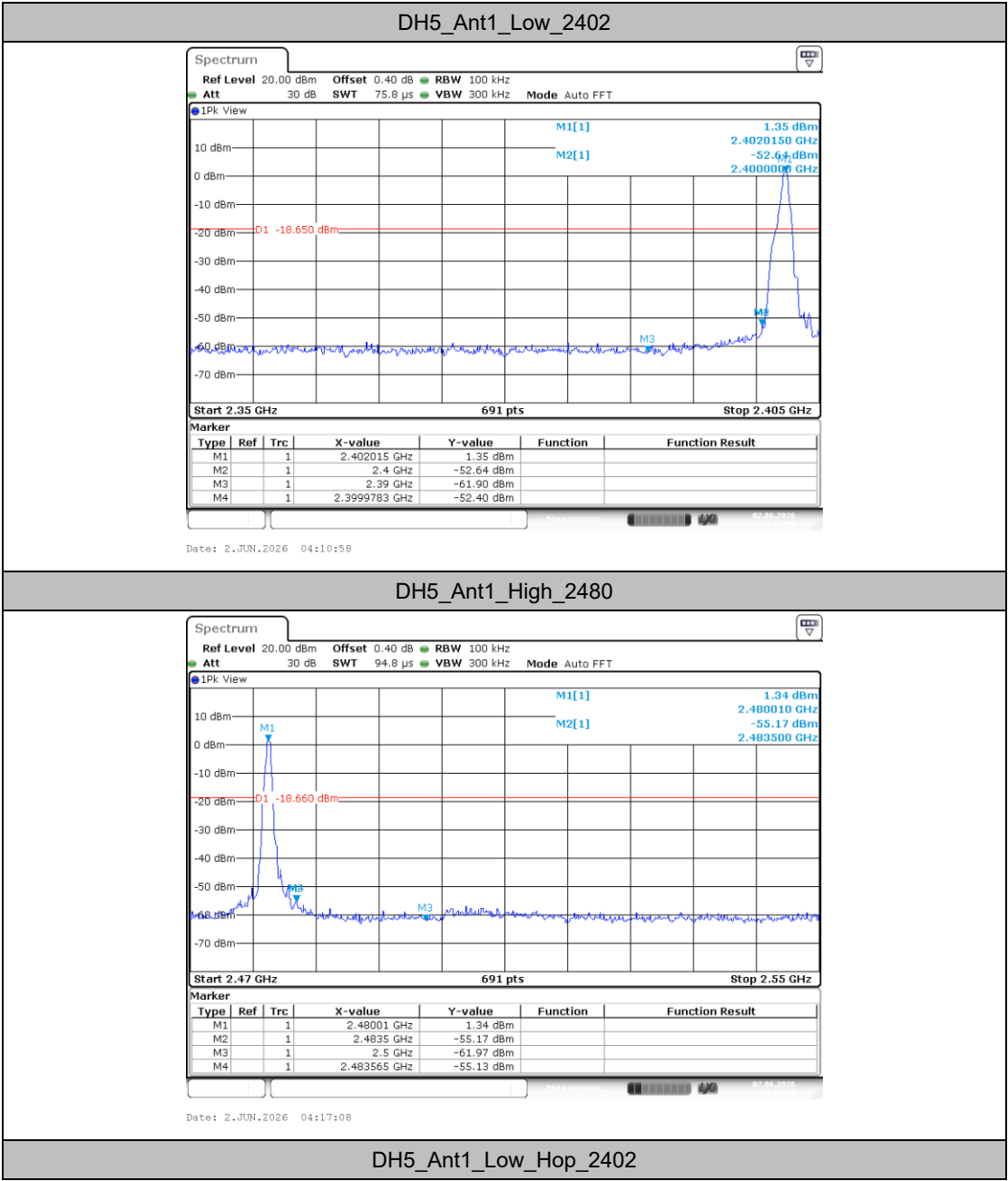


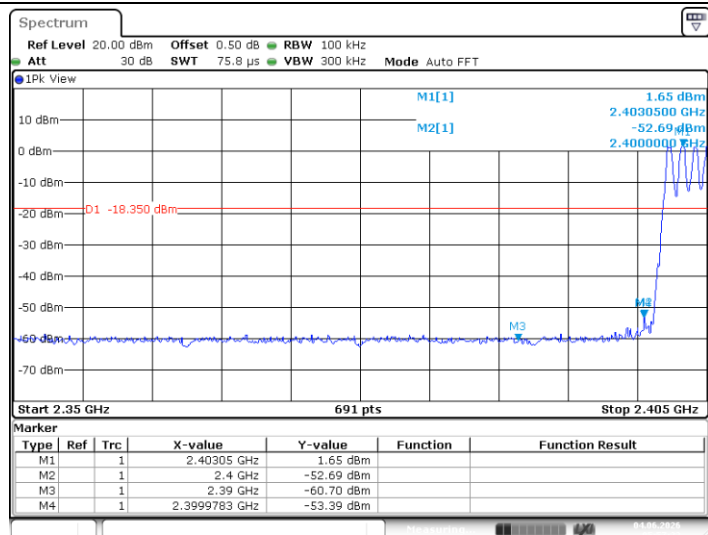
Appendix G: Band edge measurements

Test Result

TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.35	-52.4	≤ -18.65	PASS
		High	2480	1.34	-55.13	≤ -18.66	PASS
		Low	Hop_2402	1.65	-53.39	≤ -18.35	PASS
		High	Hop_2480	1.87	-56.47	≤ -18.13	PASS

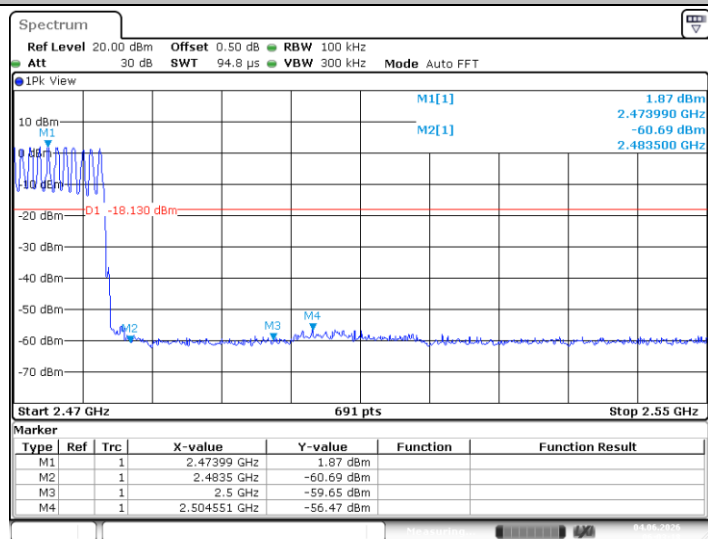
Test Graphs





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DH5_Ant1_High_Hop_2480



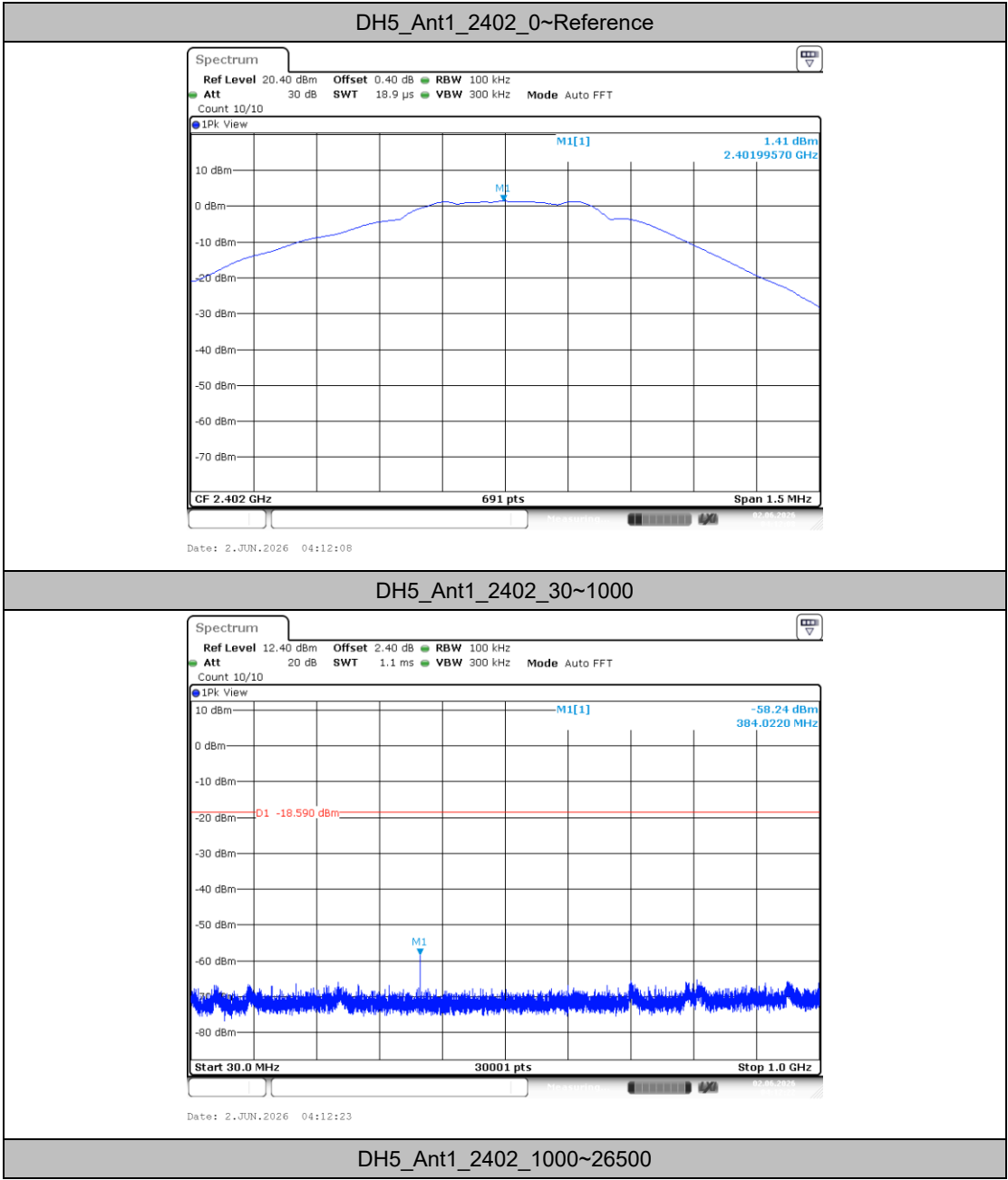
Date: 4.JUN.2026 06:03:18

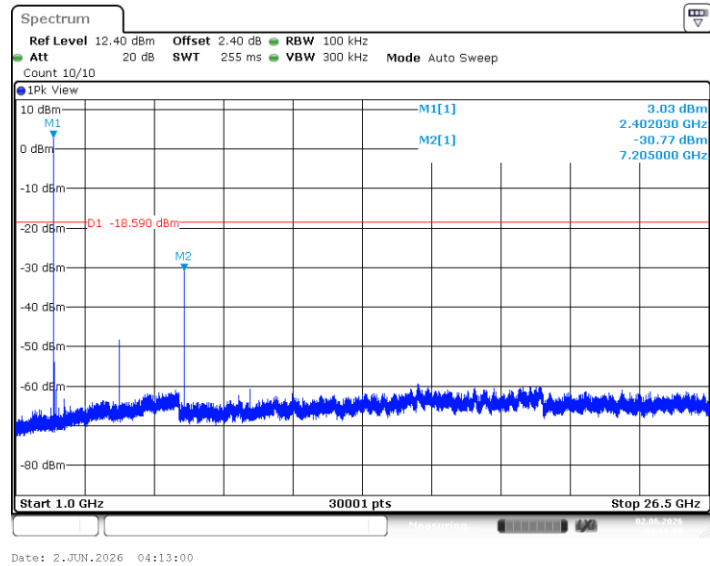
Appendix H: Conducted Spurious Emission

Test Result

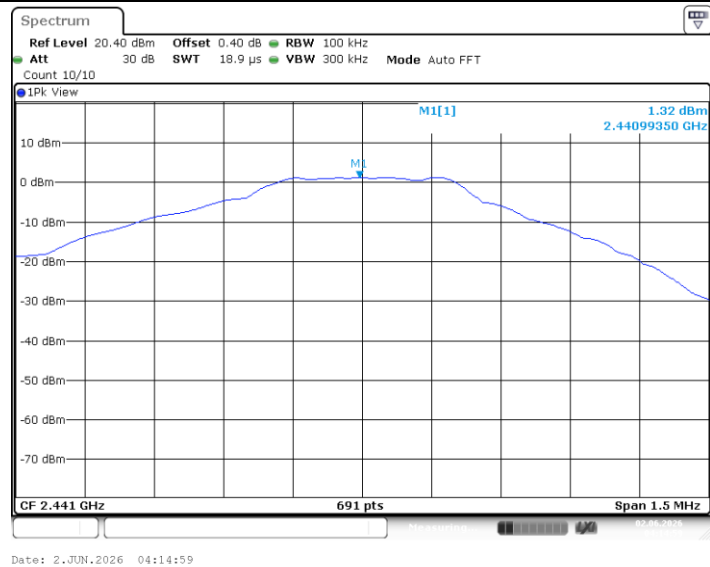
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	1.41	1.41	---	PASS
			30~1000	1.41	-58.24	≤-18.59	PASS
			1000~26500	1.41	-30.77	≤-18.59	PASS
		2441	Reference	1.32	1.32	---	PASS
			30~1000	1.32	-59.07	≤-18.68	PASS
			1000~26500	1.32	-30.9	≤-18.68	PASS
		2480	Reference	1.46	1.46	---	PASS
			30~1000	1.46	-58.48	≤-18.54	PASS
			1000~26500	1.46	-28.84	≤-18.54	PASS

Test Graphs

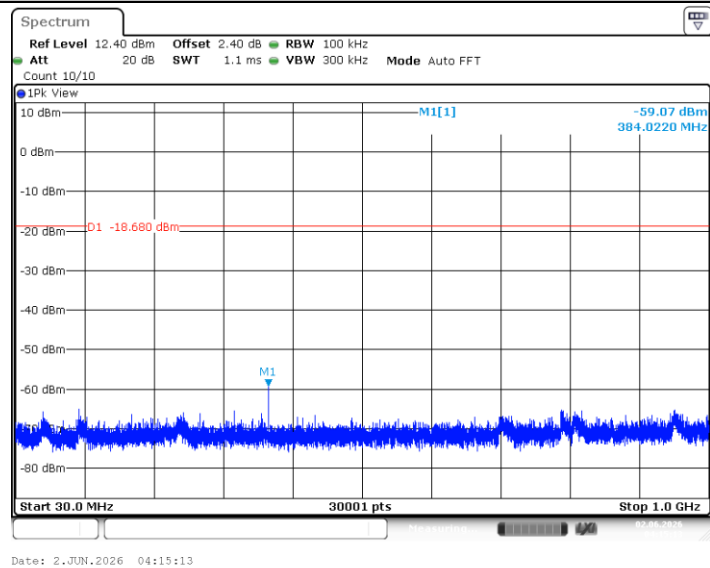




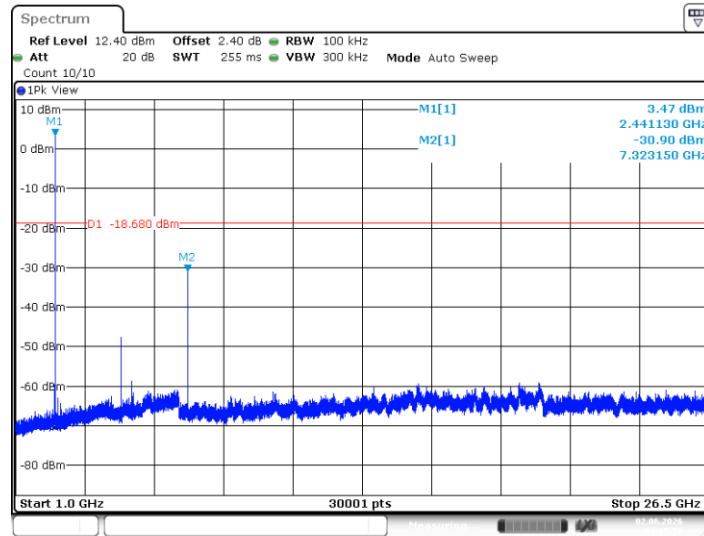
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000

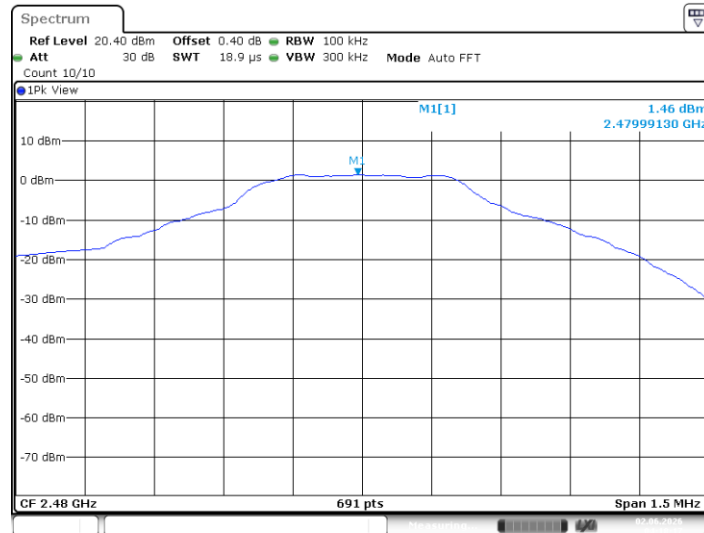


DH5_Ant1_2441_1000~26500



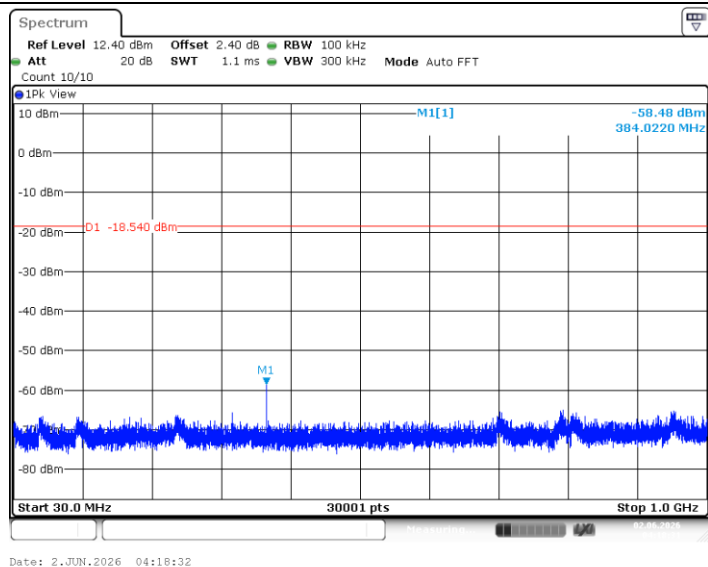
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DH5_Ant1_2480_0~Reference

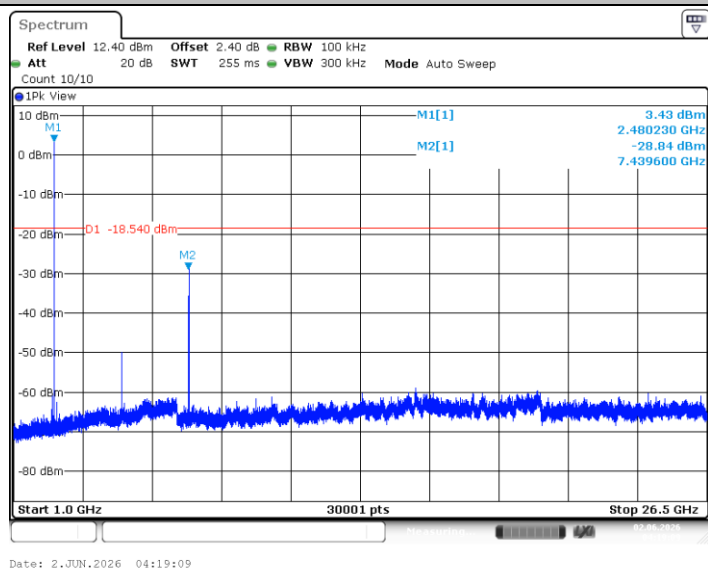


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DH5_Ant1_2480_30~1000



DH5_Ant1_2480_1000~26500

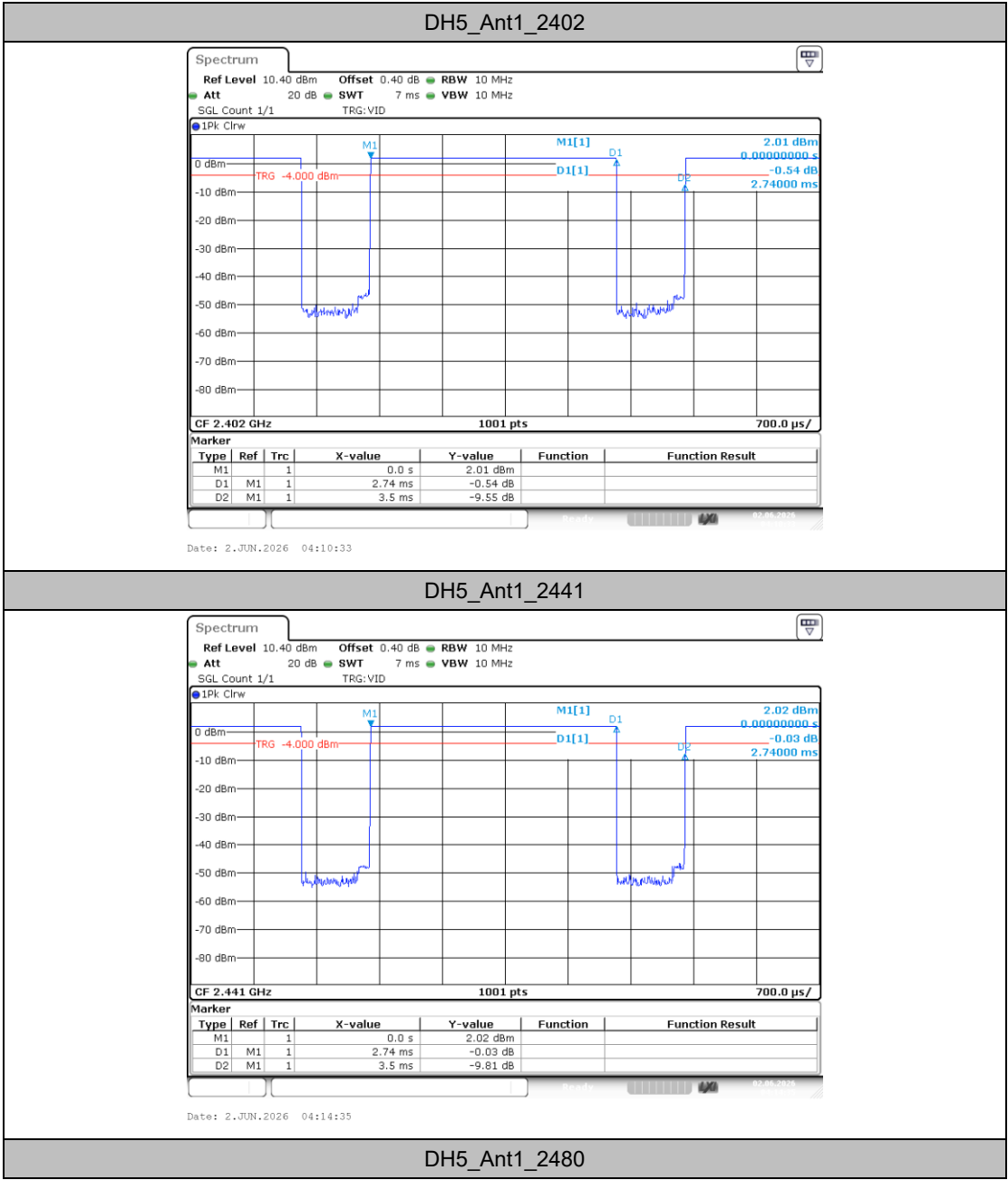


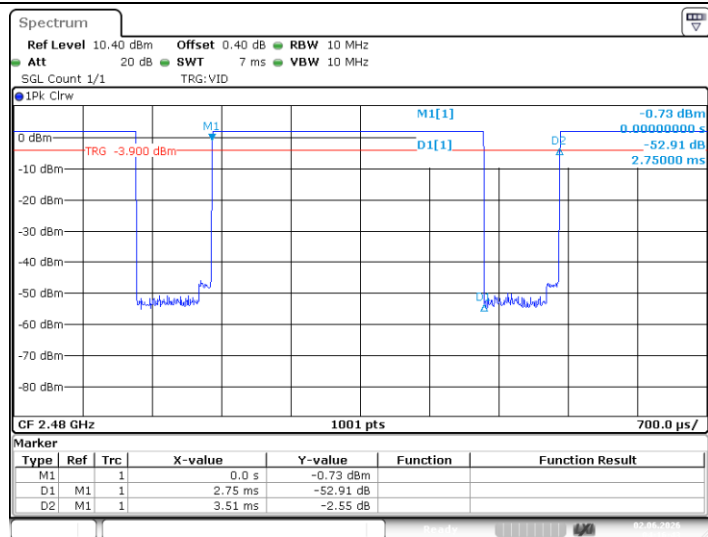
Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	ON Time [ms]	Period [ms]	DC [%]	xFactor	Limit	Verdict
DH5	Ant1	2402	2.74	3.50	78.29	1.06	---	---
		2441	2.74	3.50	78.29	1.06	---	---
		2480	2.75	3.51	78.35	1.06	---	---

Test Graphs





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Appendix J: Emissions in Restricted Bands

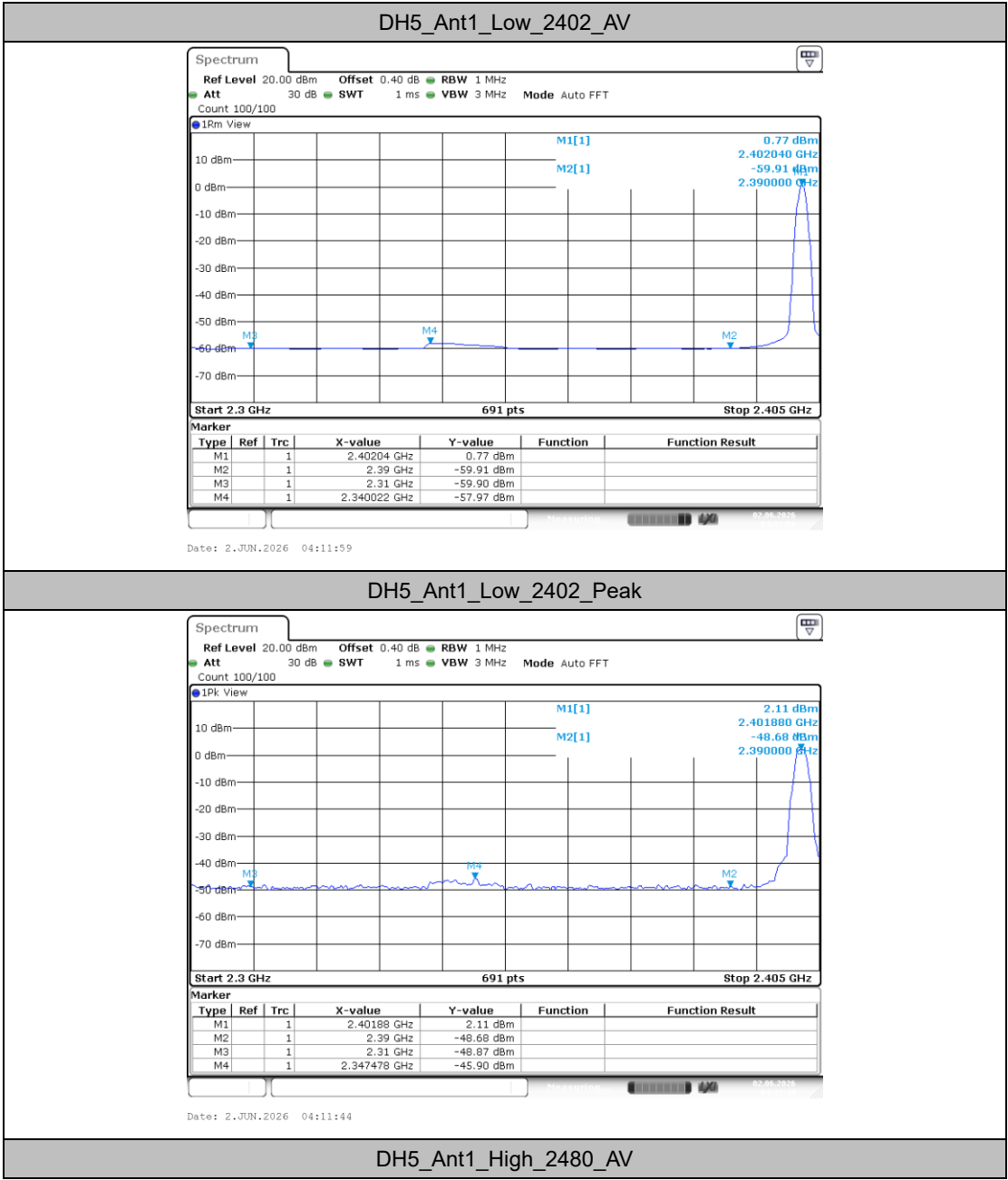
Test Result

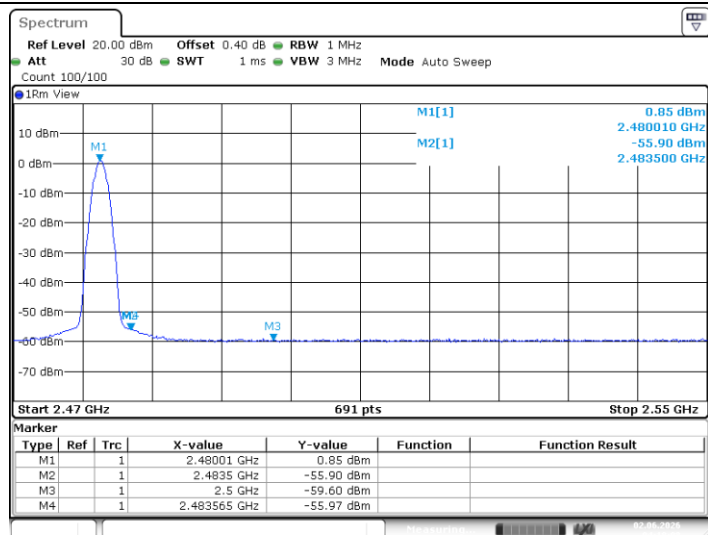
TestMod e	Antenn a	ChNam e	Freq(MH z)	Detector	Freq [MHz]	Result [dBm]	Gain [dB]	DC Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
DH5	Ant1	Low	2402	AV	2310.000	-59.9	2.00	1.06	38.36	≤54	PASS
				AV	2340.022	-57.97	2.00	1.06	40.29	≤54	PASS
				AV	2390.000	-59.91	2.00	1.06	38.35	≤54	PASS
				Peak	2310.000	-48.87	2.00	0.00	48.33	≤74	PASS
				Peak	2347.478	-45.9	2.00	0.00	51.30	≤74	PASS
				Peak	2390.000	-48.68	2.00	0.00	48.52	≤74	PASS
		High	2480	AV	2483.500	-55.9	2.00	1.06	42.36	≤54	PASS
				AV	2483.565	-55.97	2.00	1.06	42.29	≤54	PASS
				AV	2500.000	-59.6	2.00	1.06	38.66	≤54	PASS
				Peak	2483.500	-39.33	2.00	0.00	57.87	≤74	PASS
				Peak	2483.565	-39.06	2.00	0.00	58.14	≤74	PASS
				Peak	2500.000	-49.6	2.00	0.00	47.60	≤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.

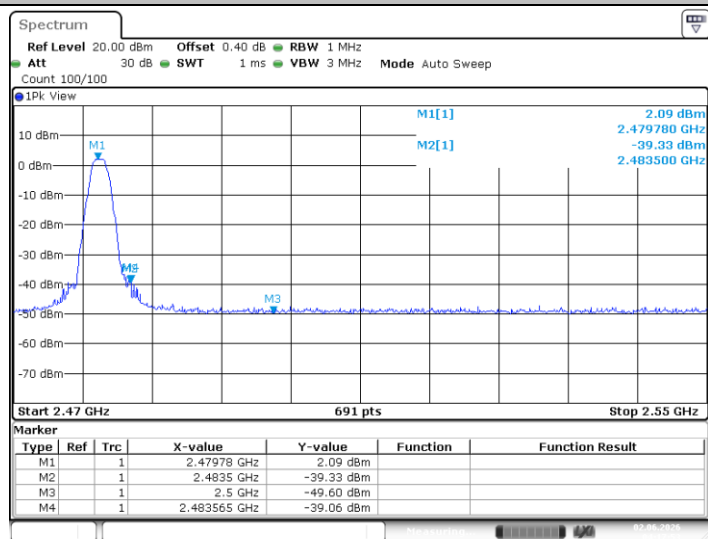
Test Graphs





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DH5_Ant1_High_2480_Peak



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