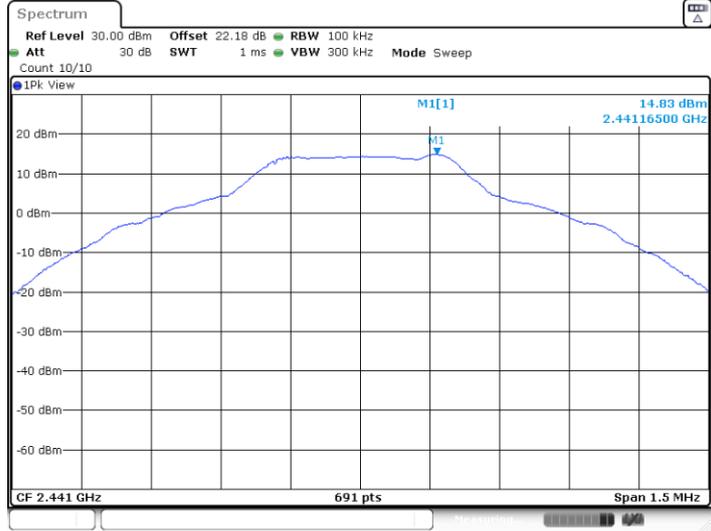


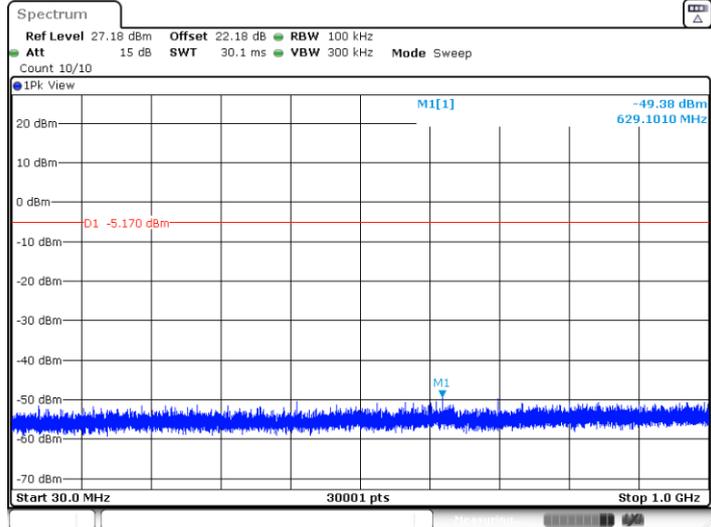


DH5_Ant15_2441_0~Reference

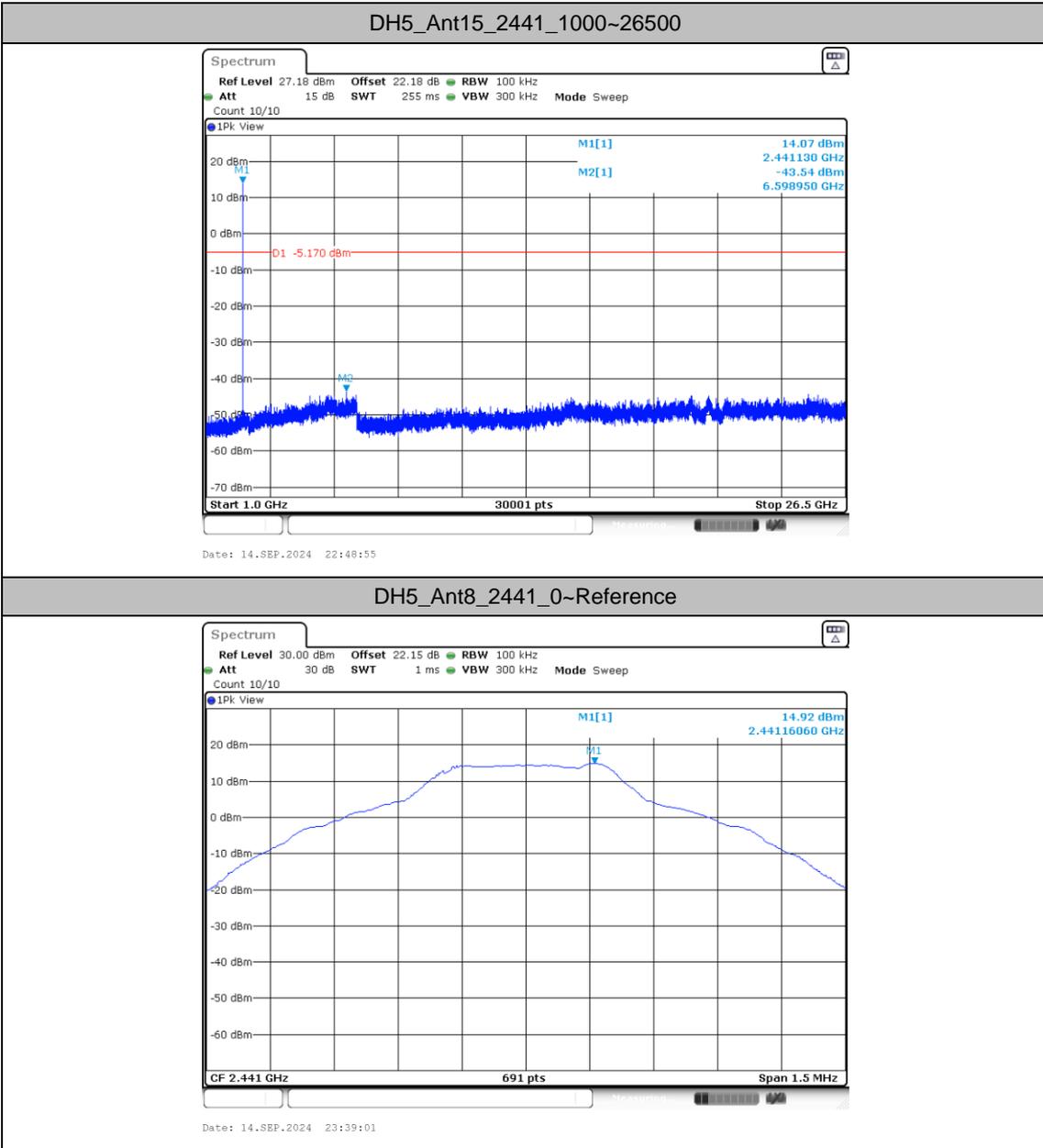


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DH5_Ant15_2441_30~1000

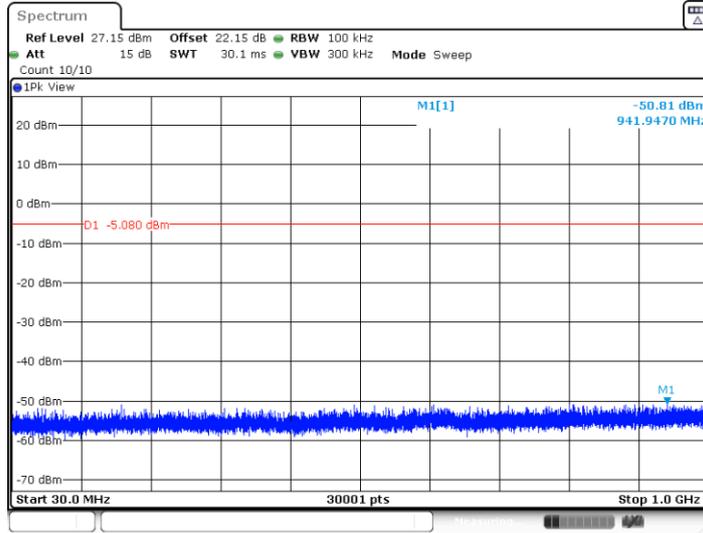


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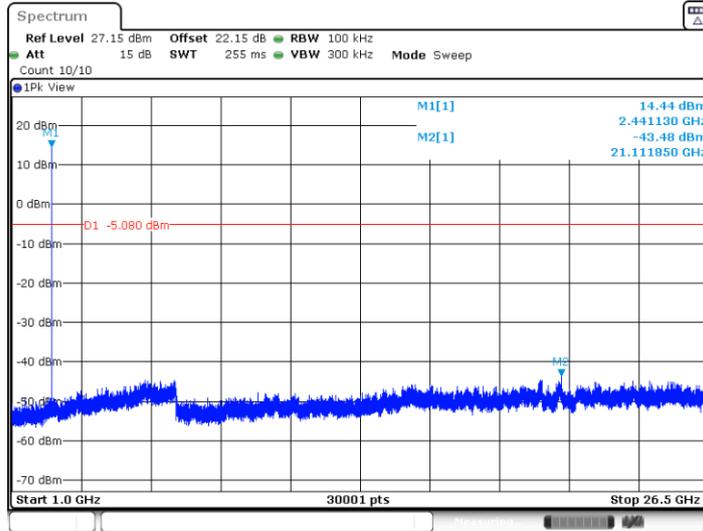


DH5_Ant8_2441_30~1000

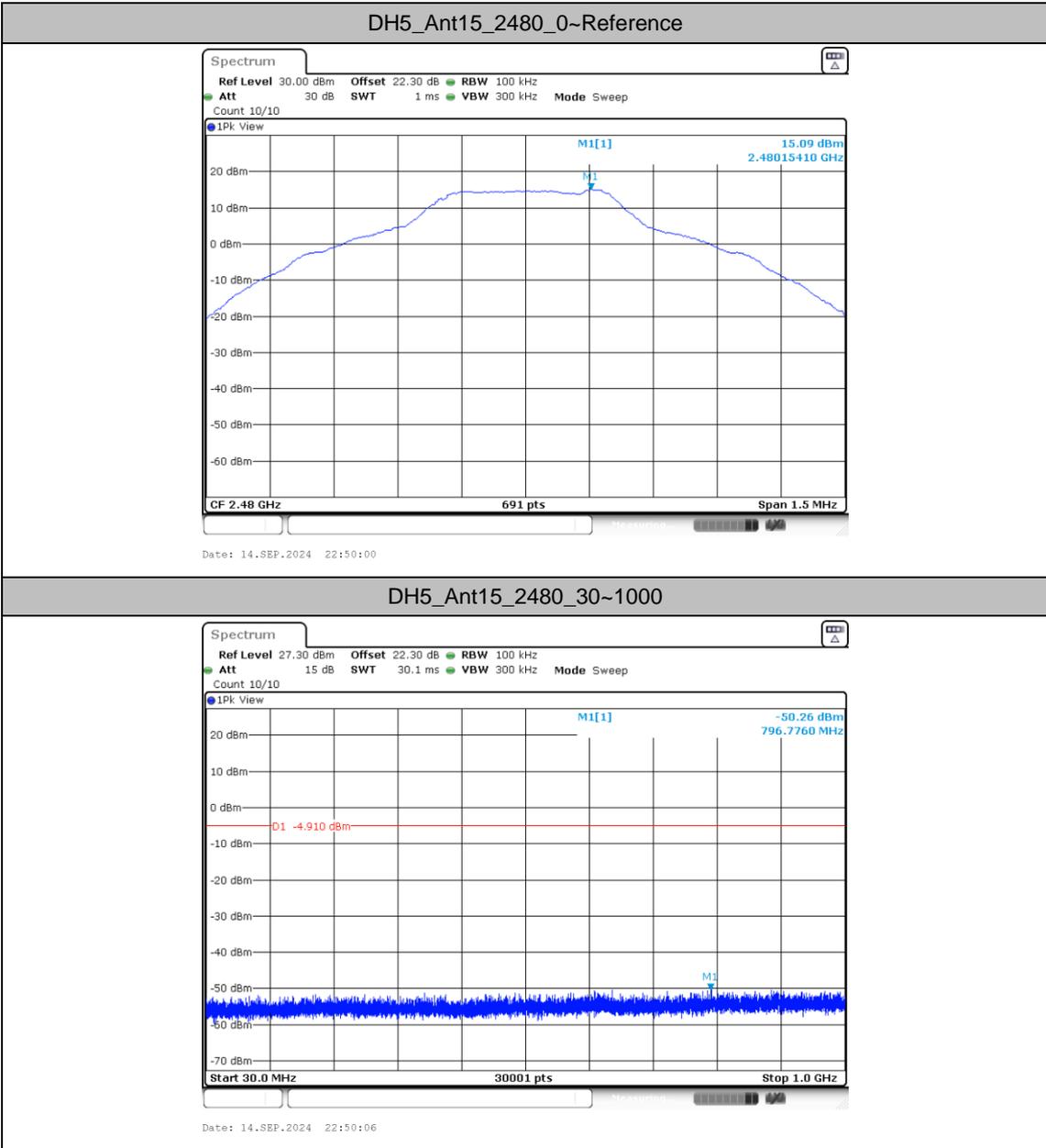


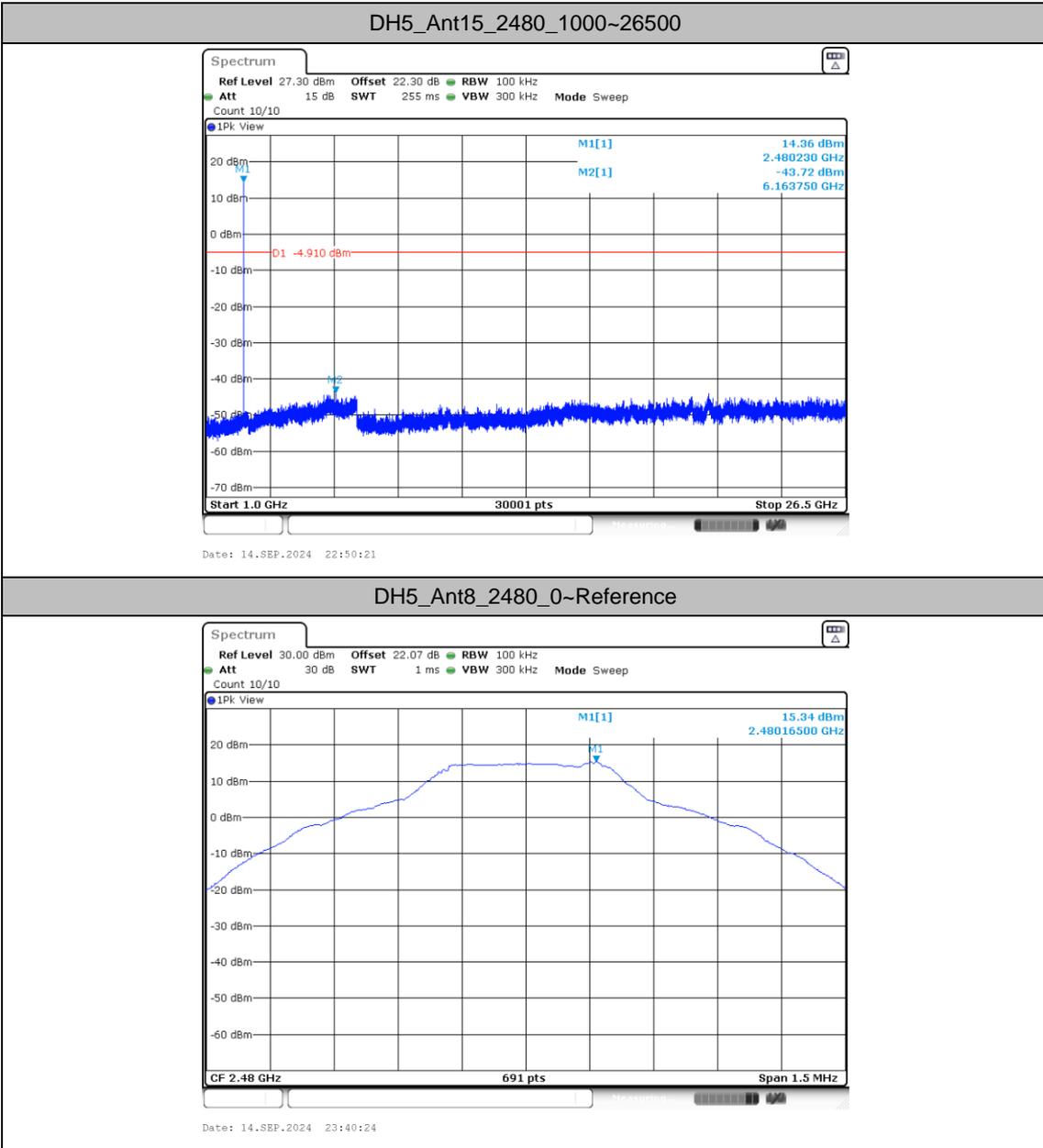
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DH5_Ant8_2441_1000~26500



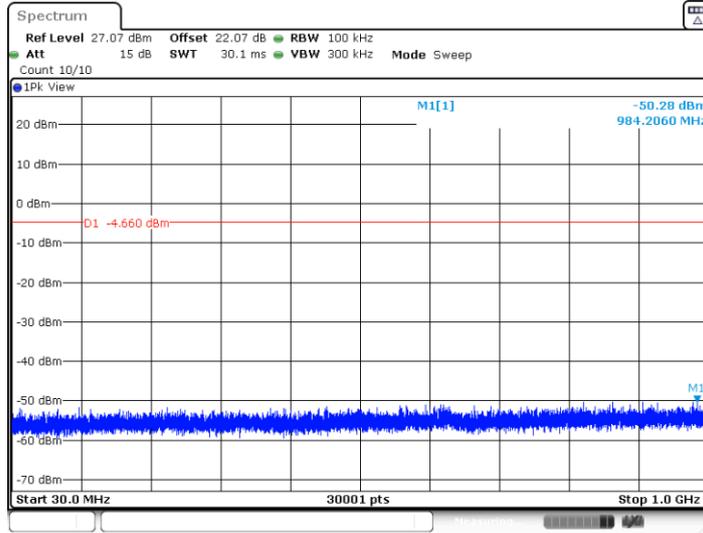
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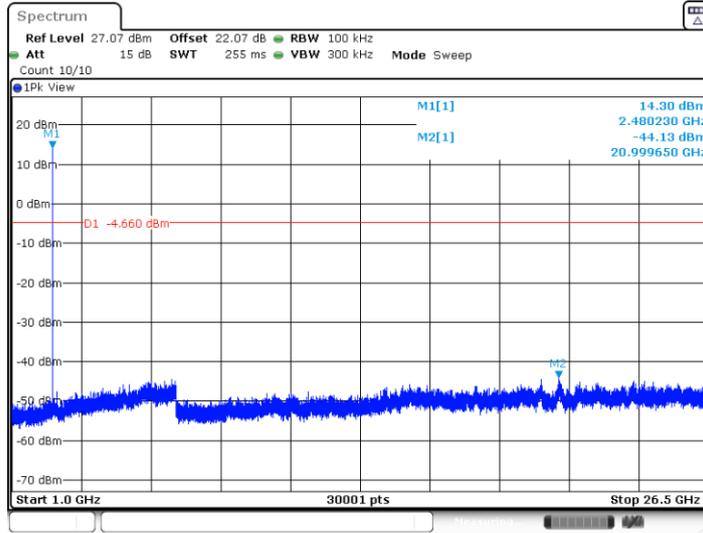


DH5_Ant8_2480_30~1000

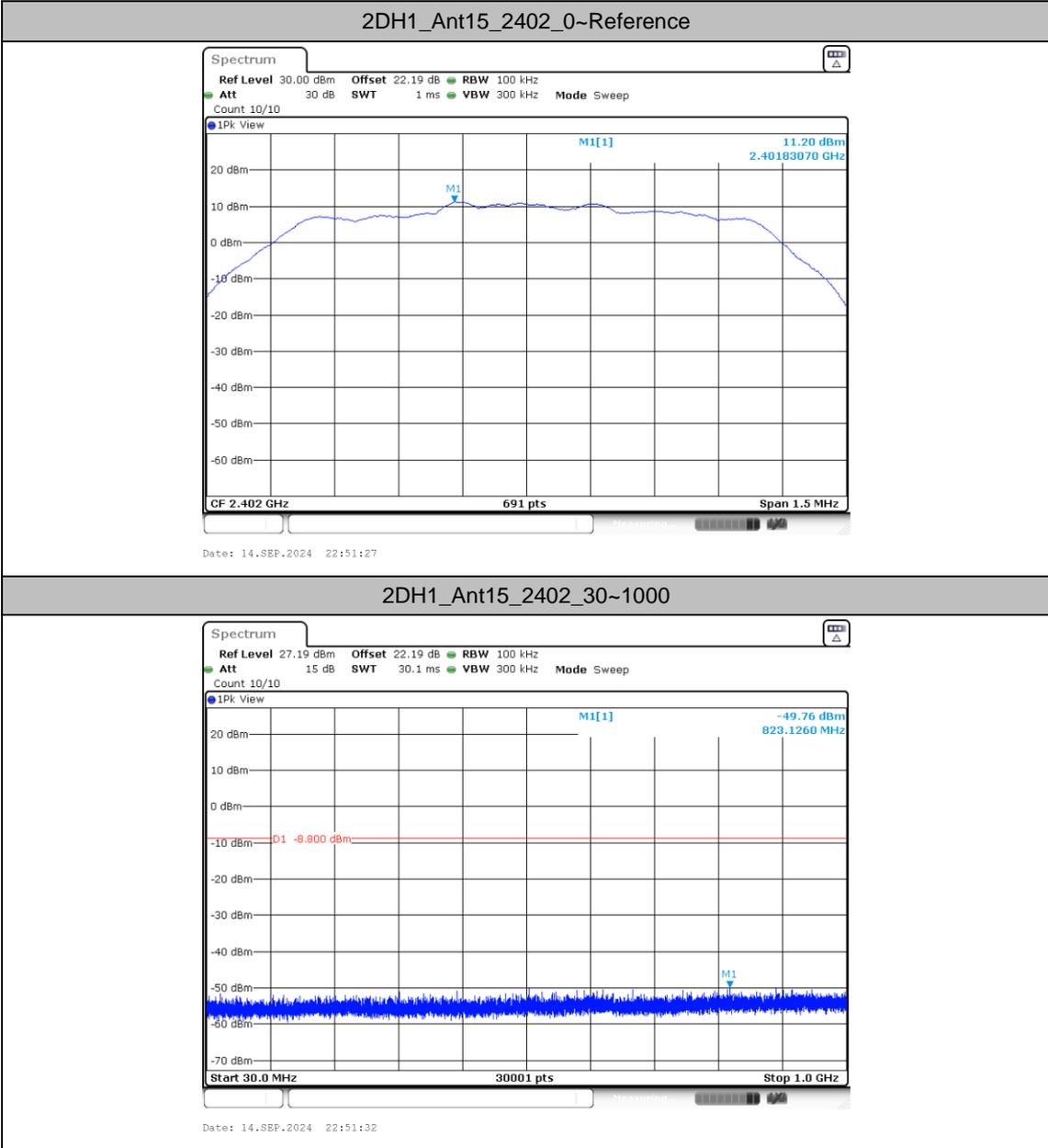


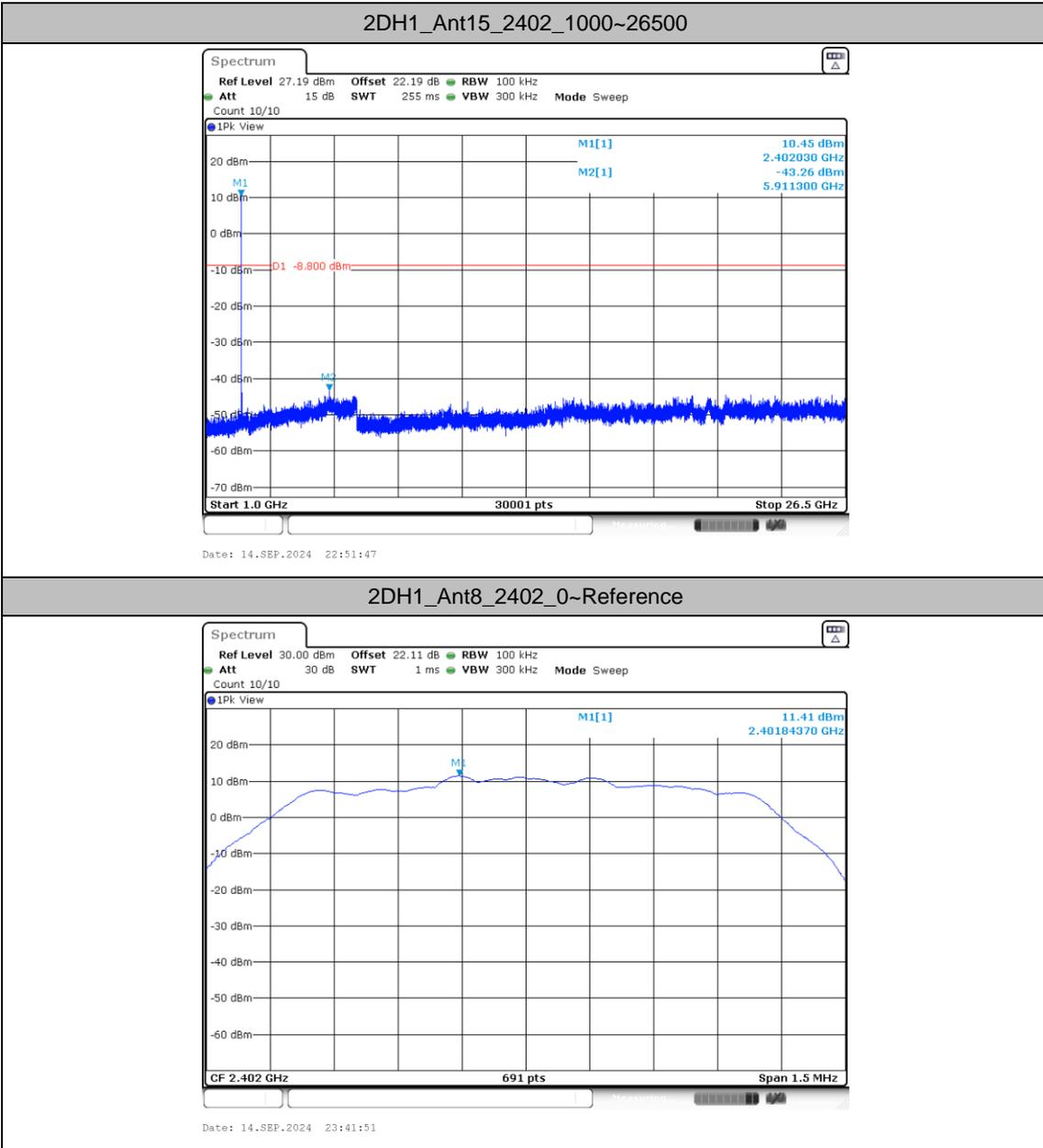
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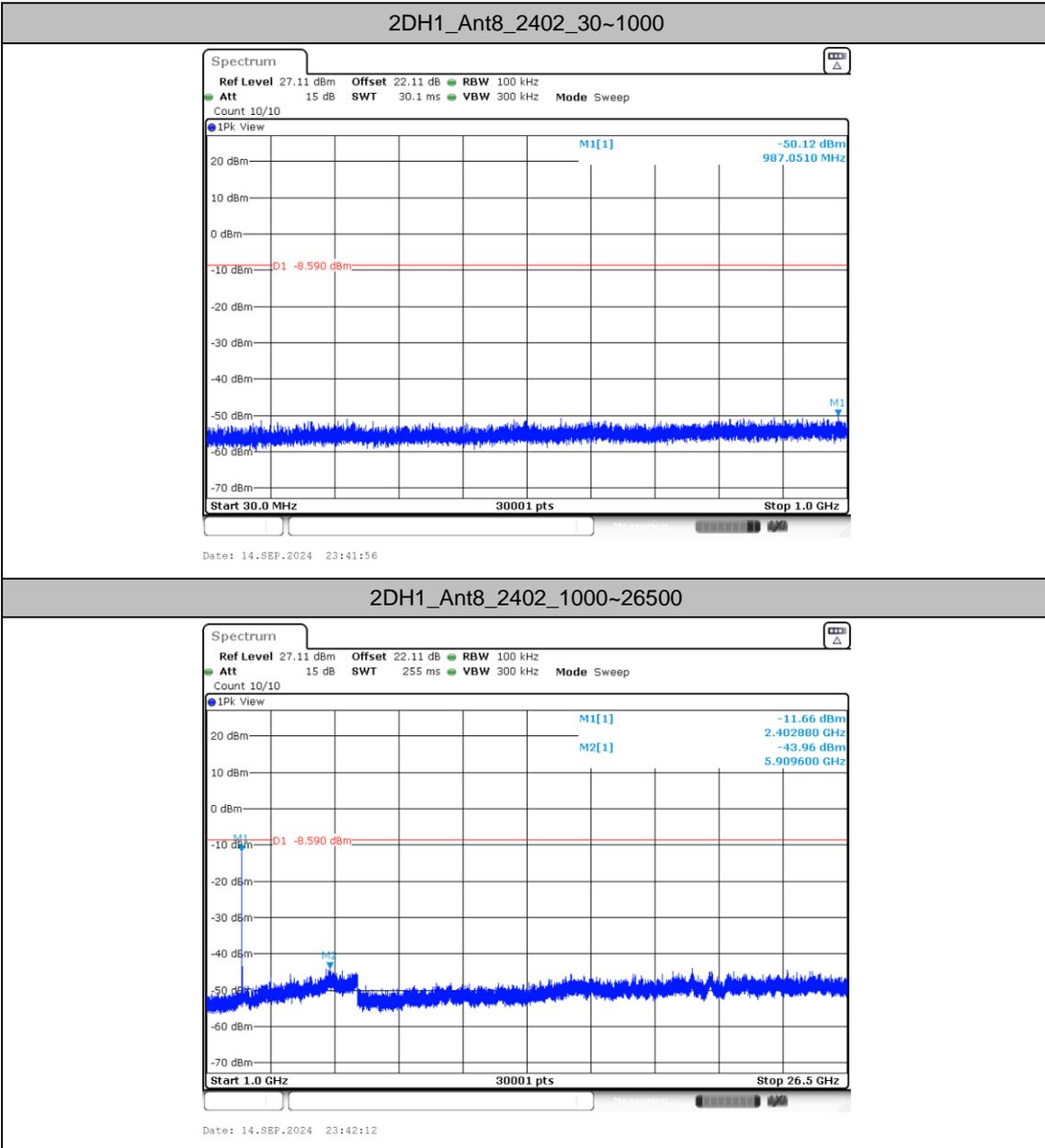
DH5_Ant8_2480_1000~26500

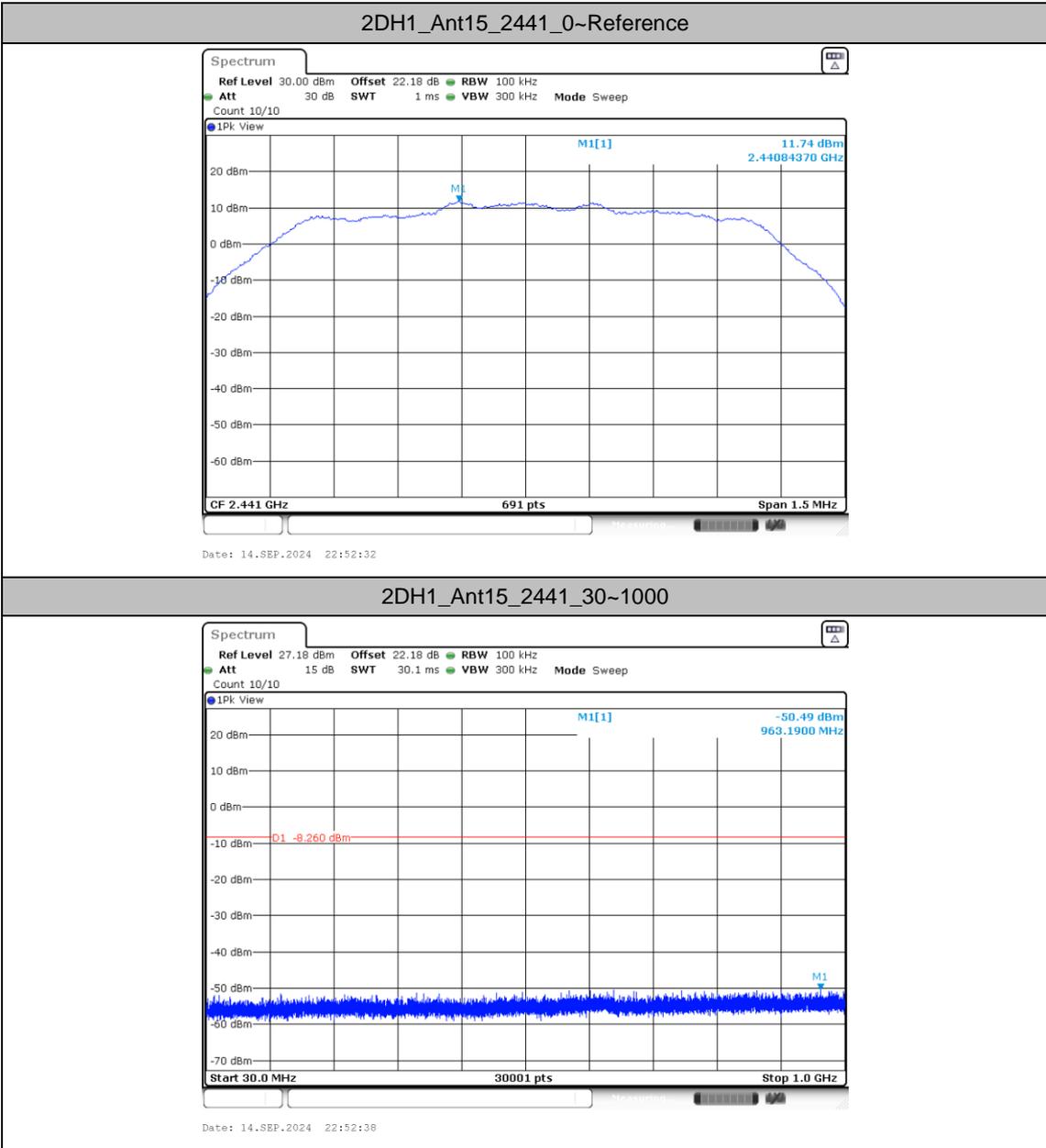


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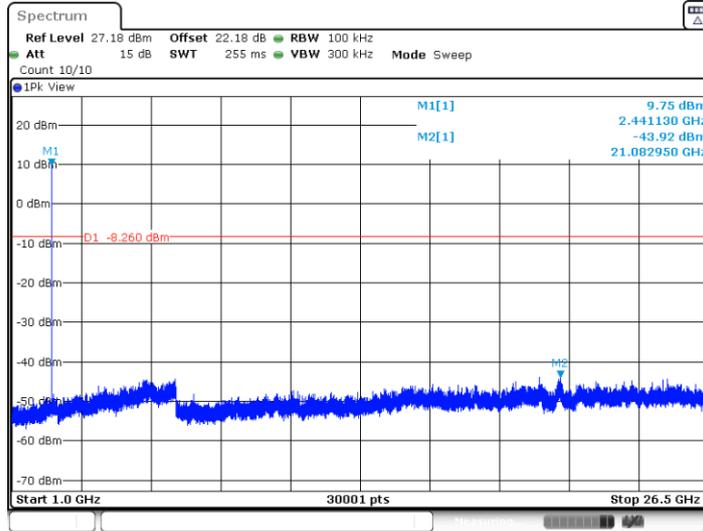






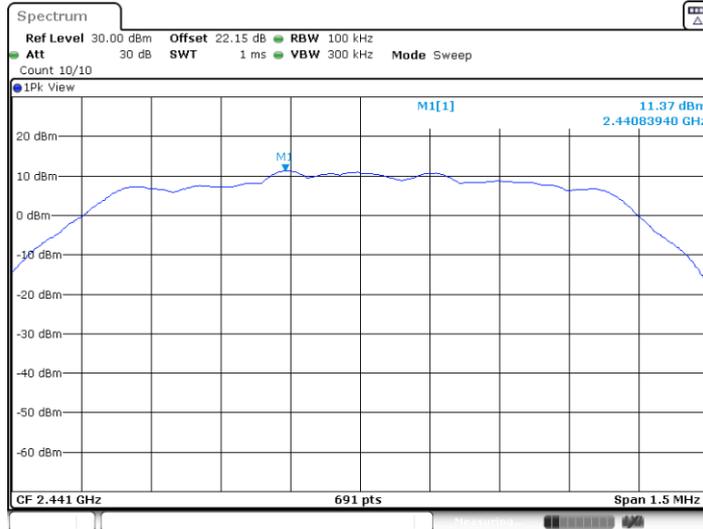


2DH1_Ant15_2441_1000~26500

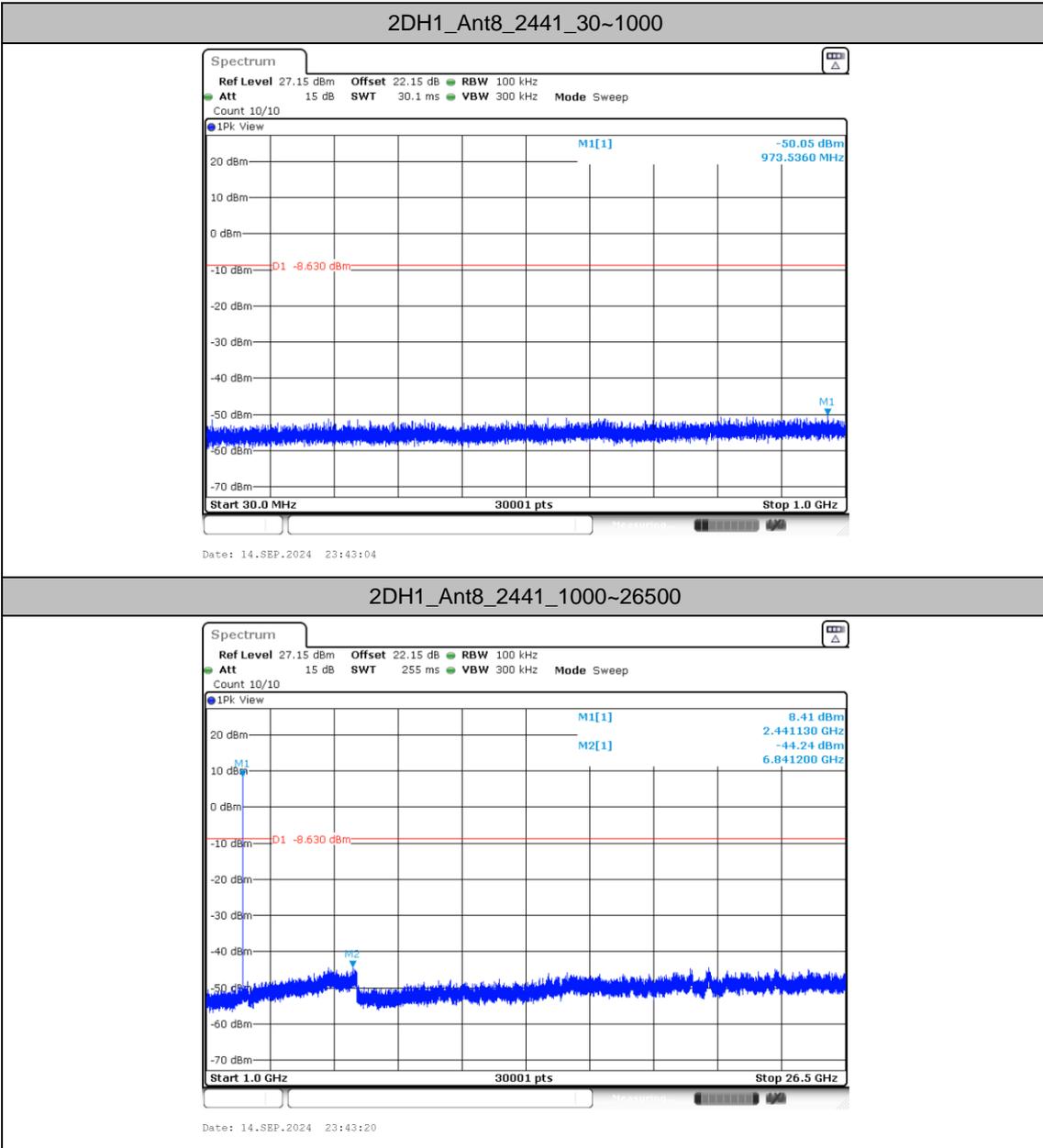


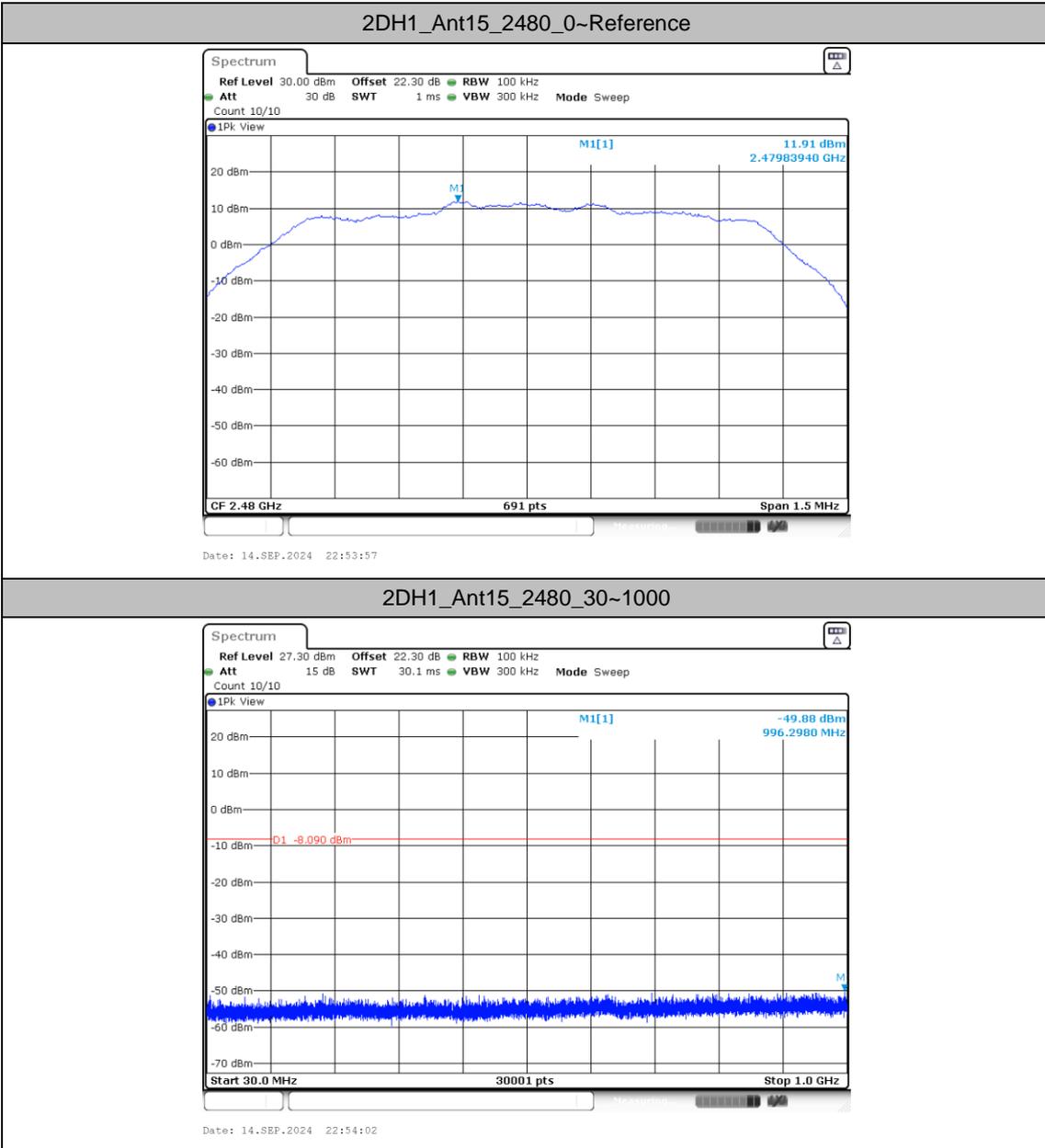
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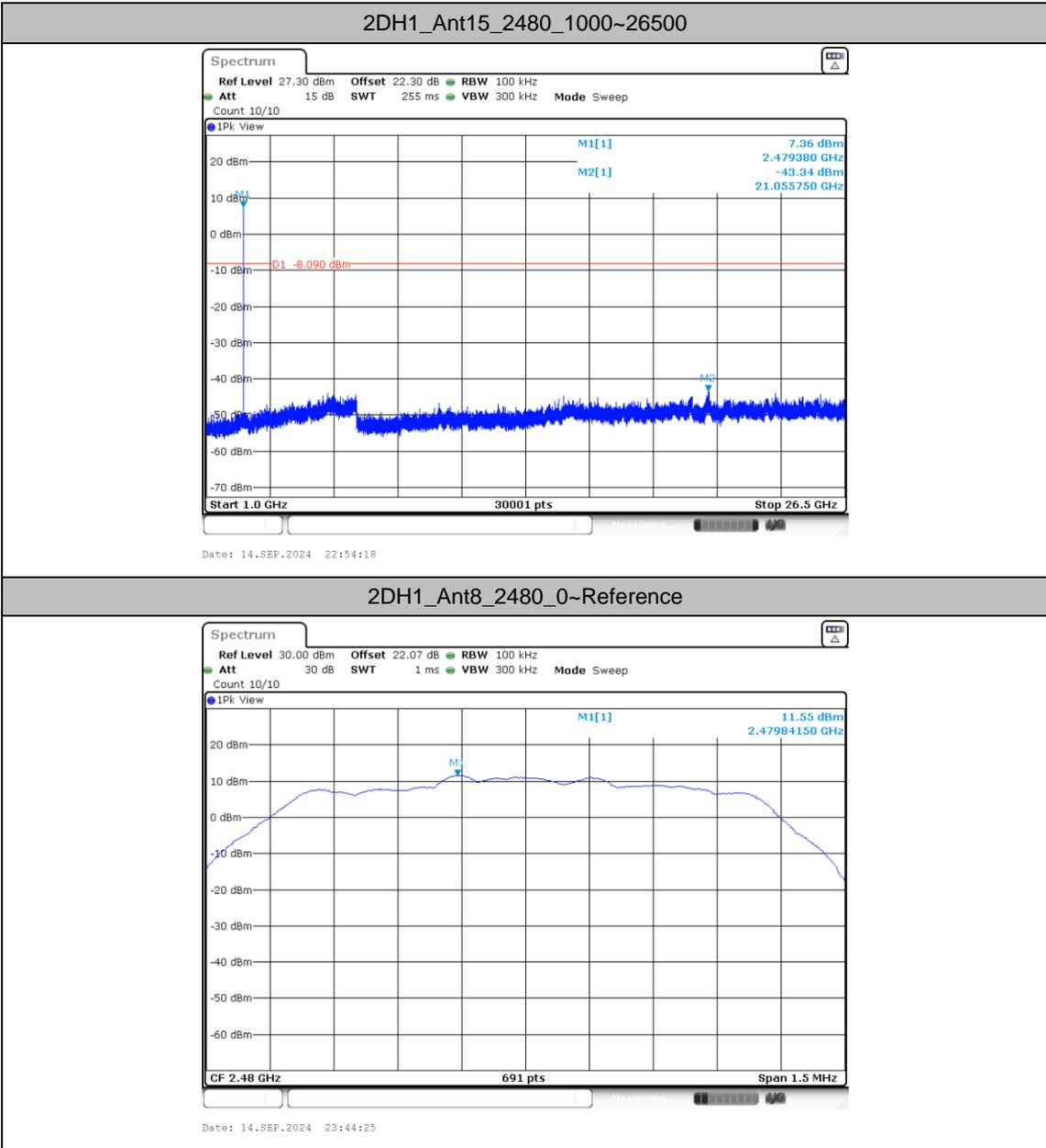
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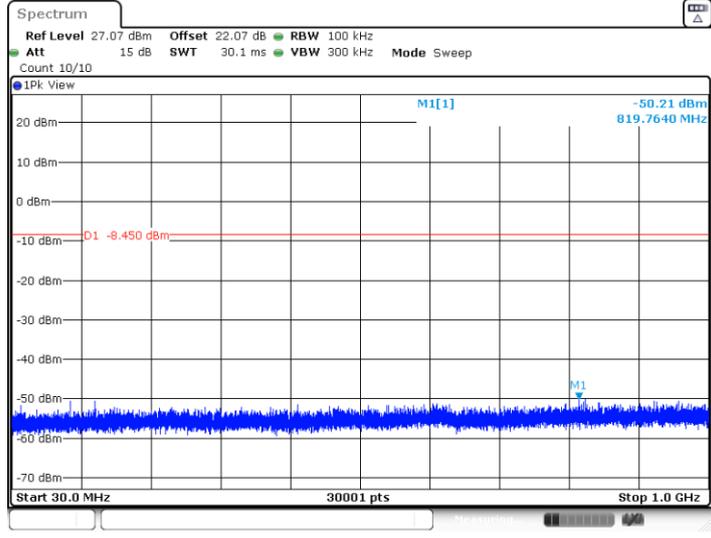






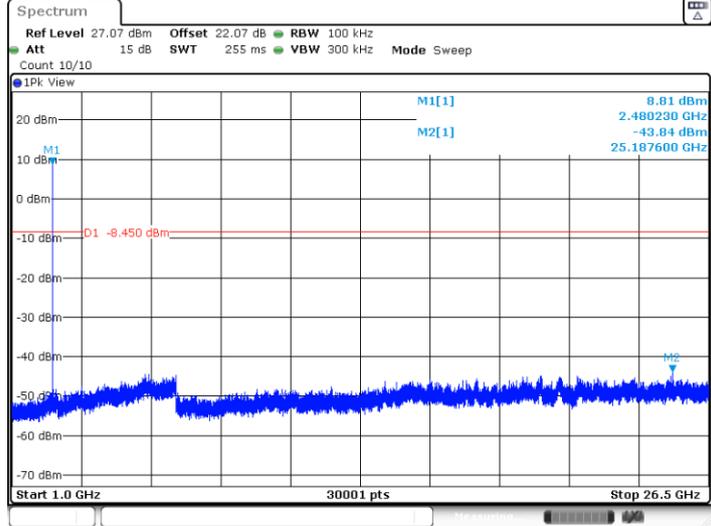


2DH1_Ant8_2480_30~1000

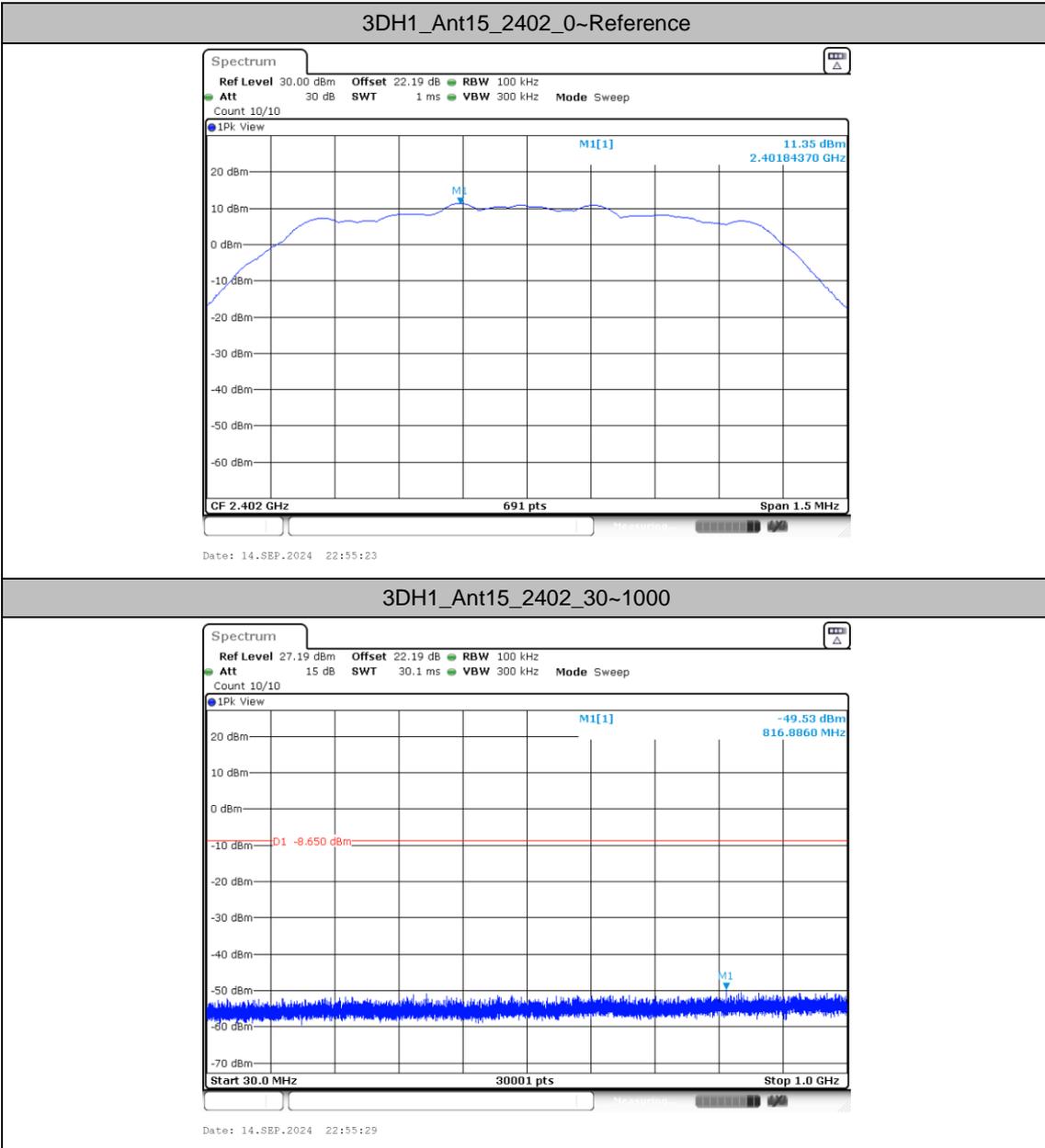


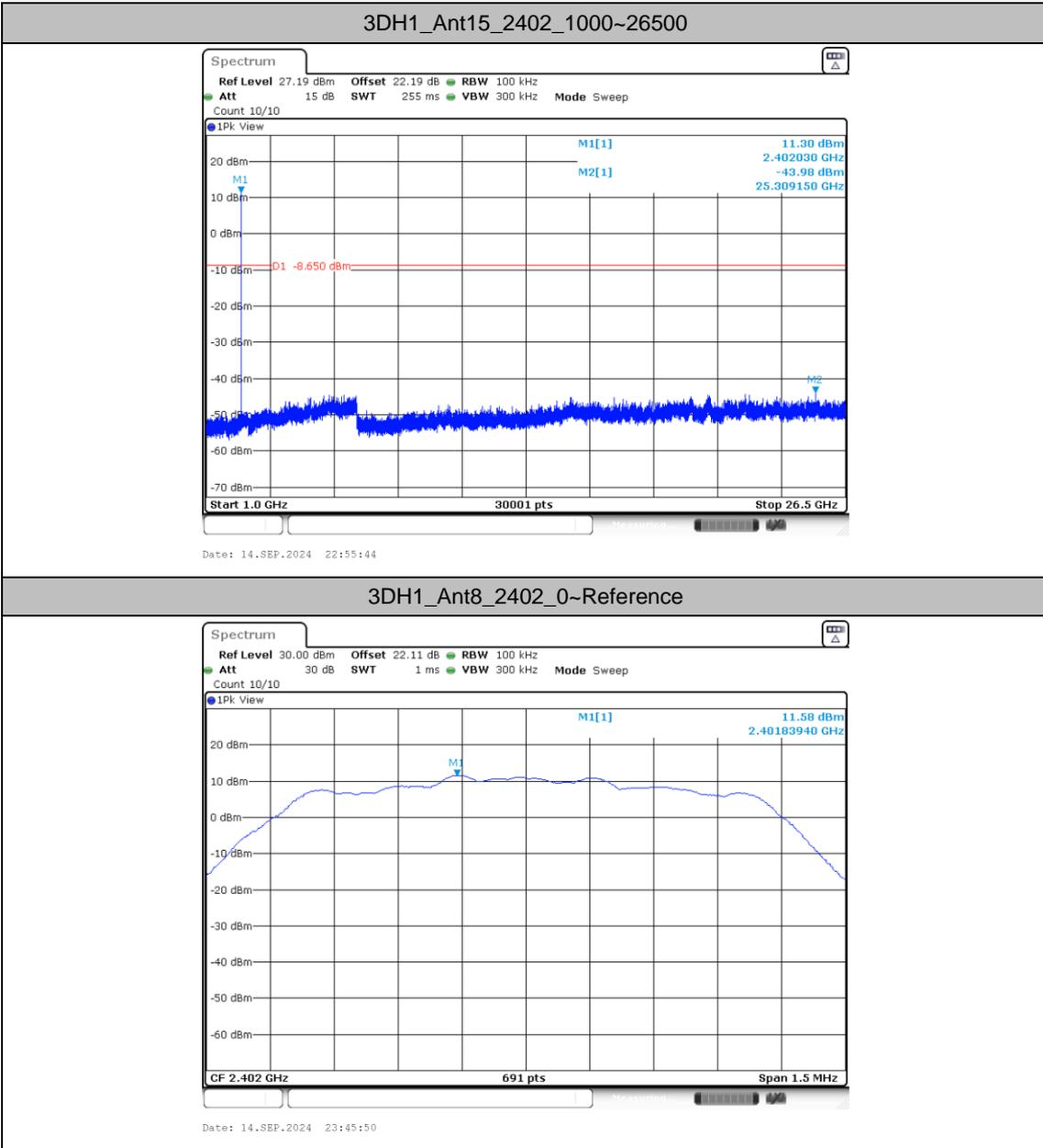
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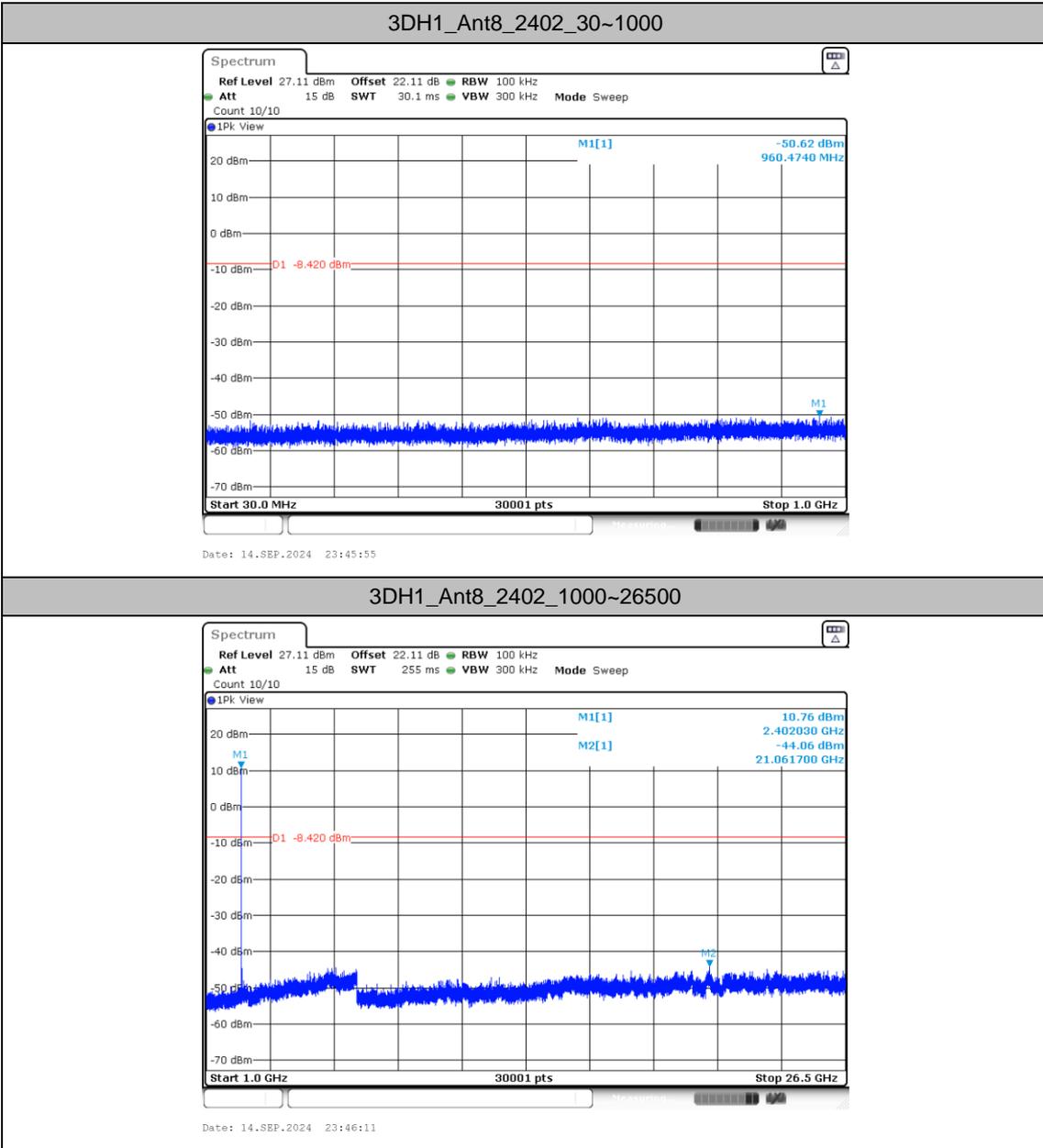
2DH1_Ant8_2480_1000~26500

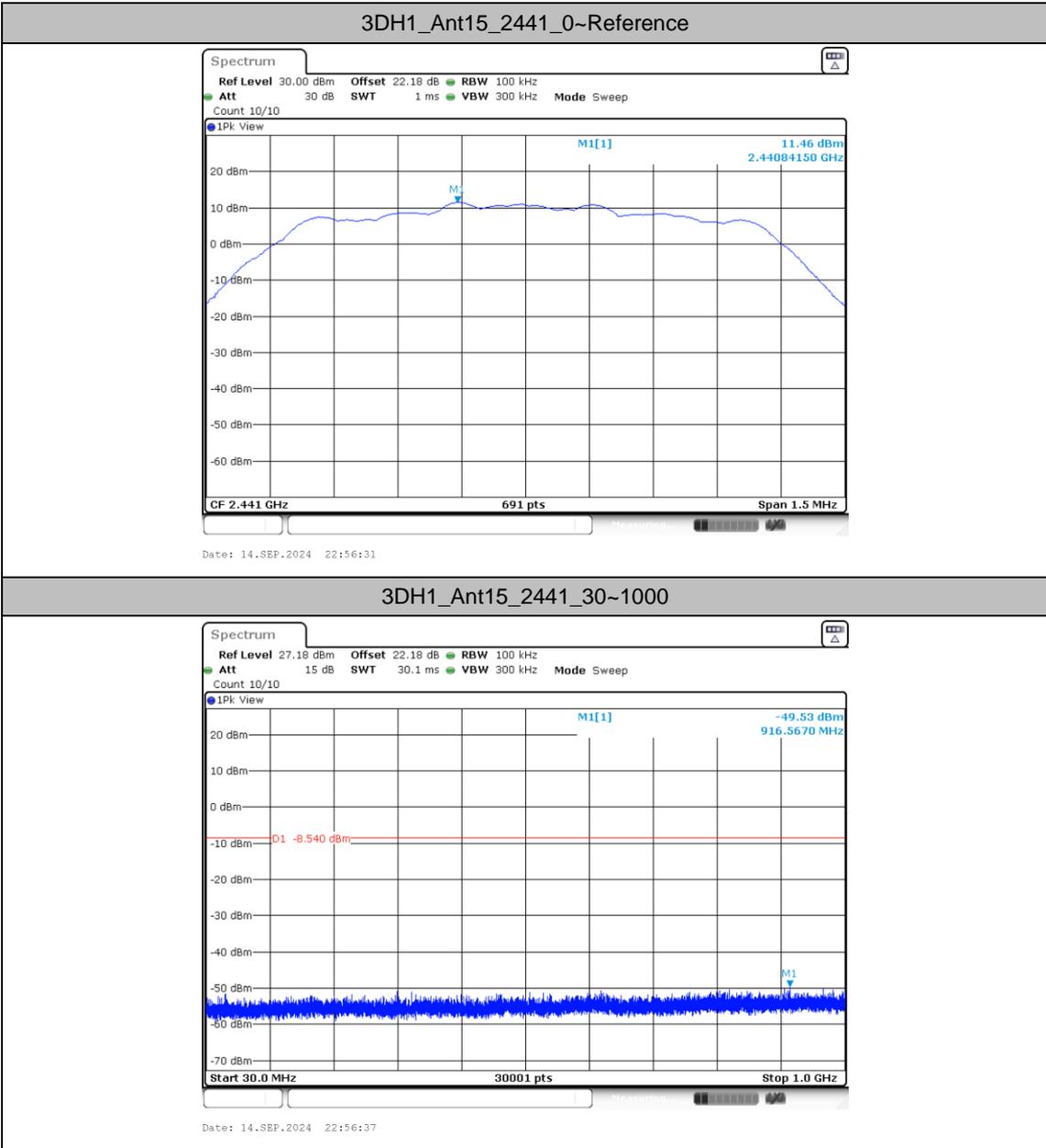


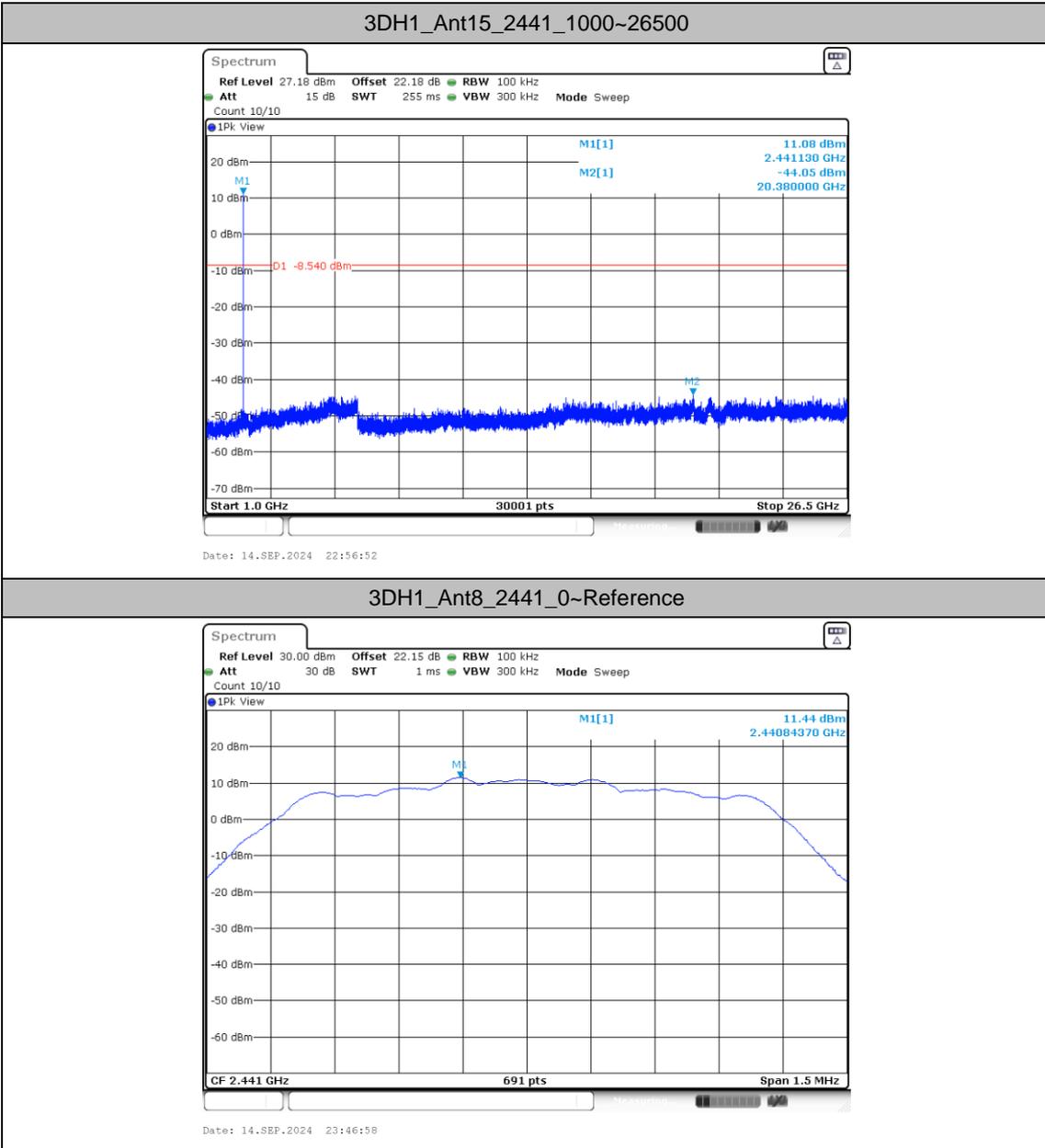
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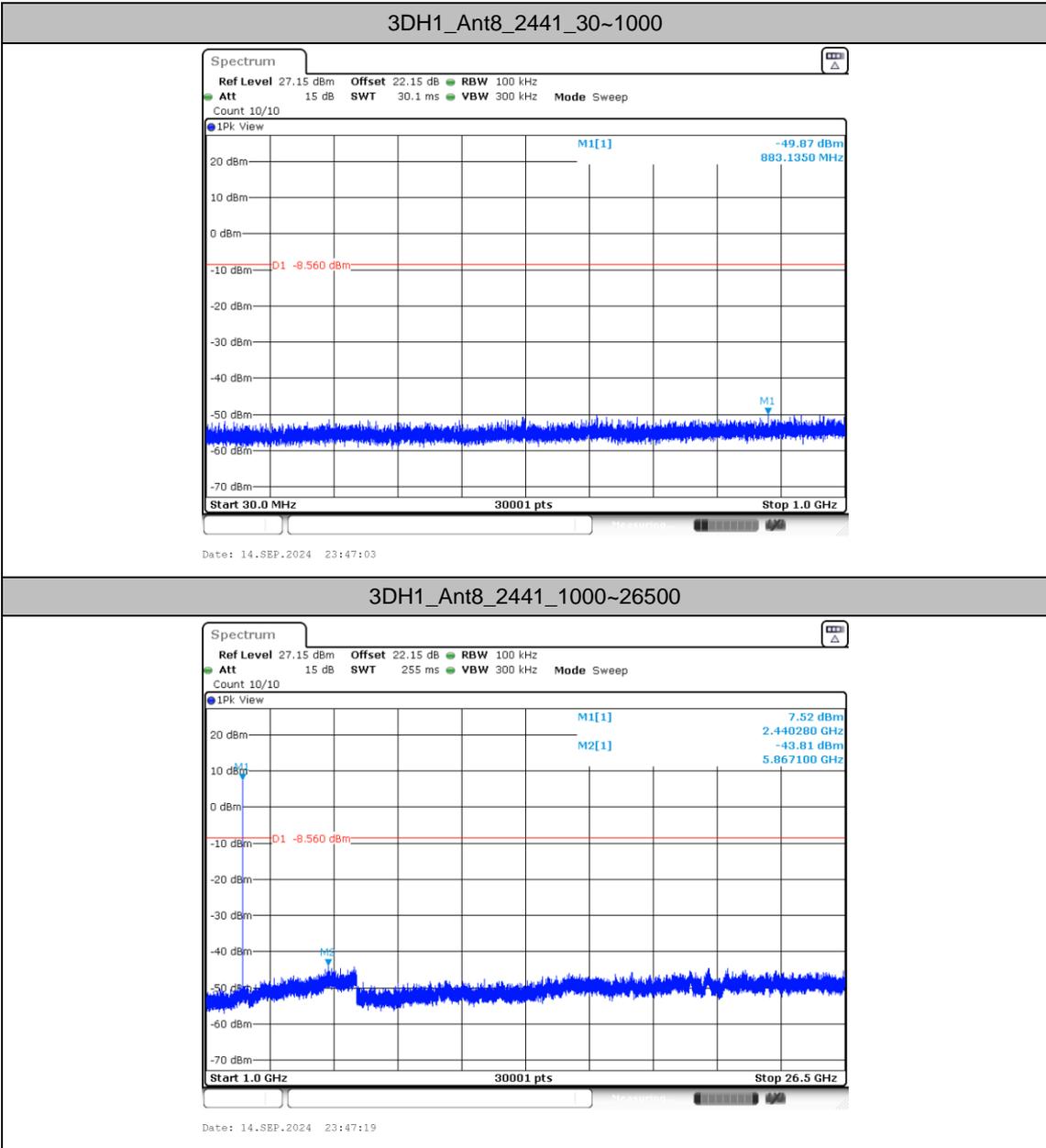


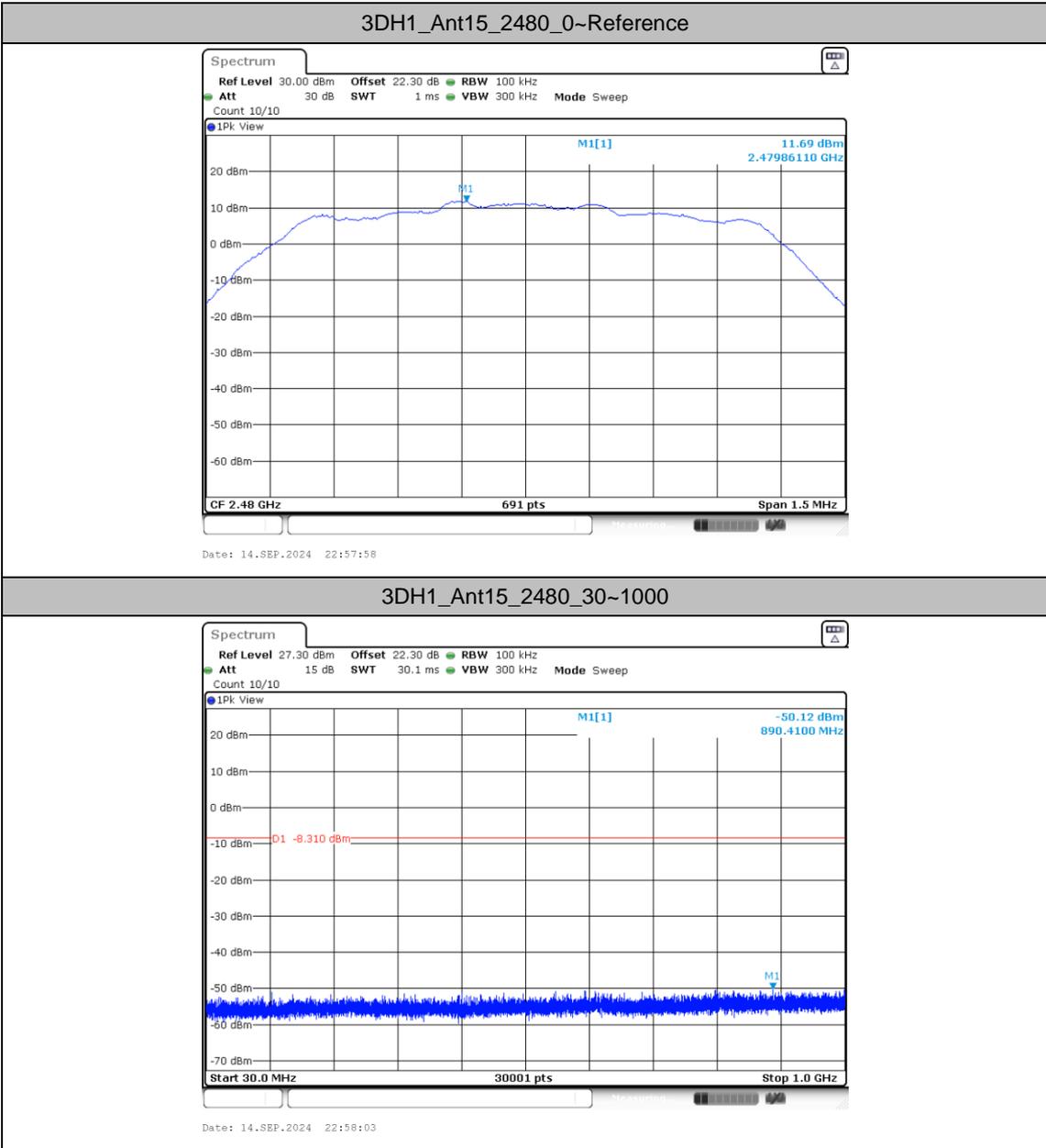


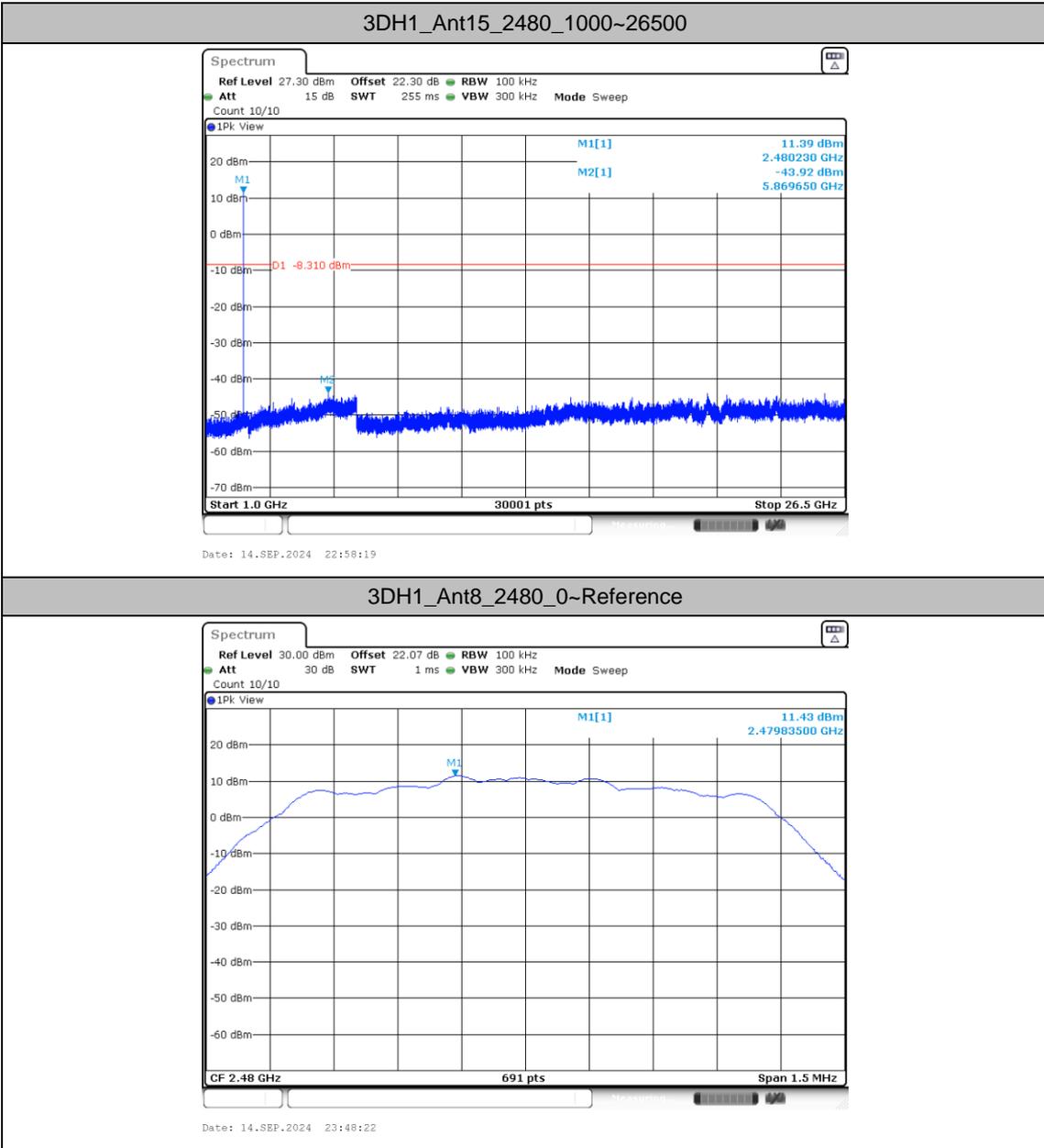


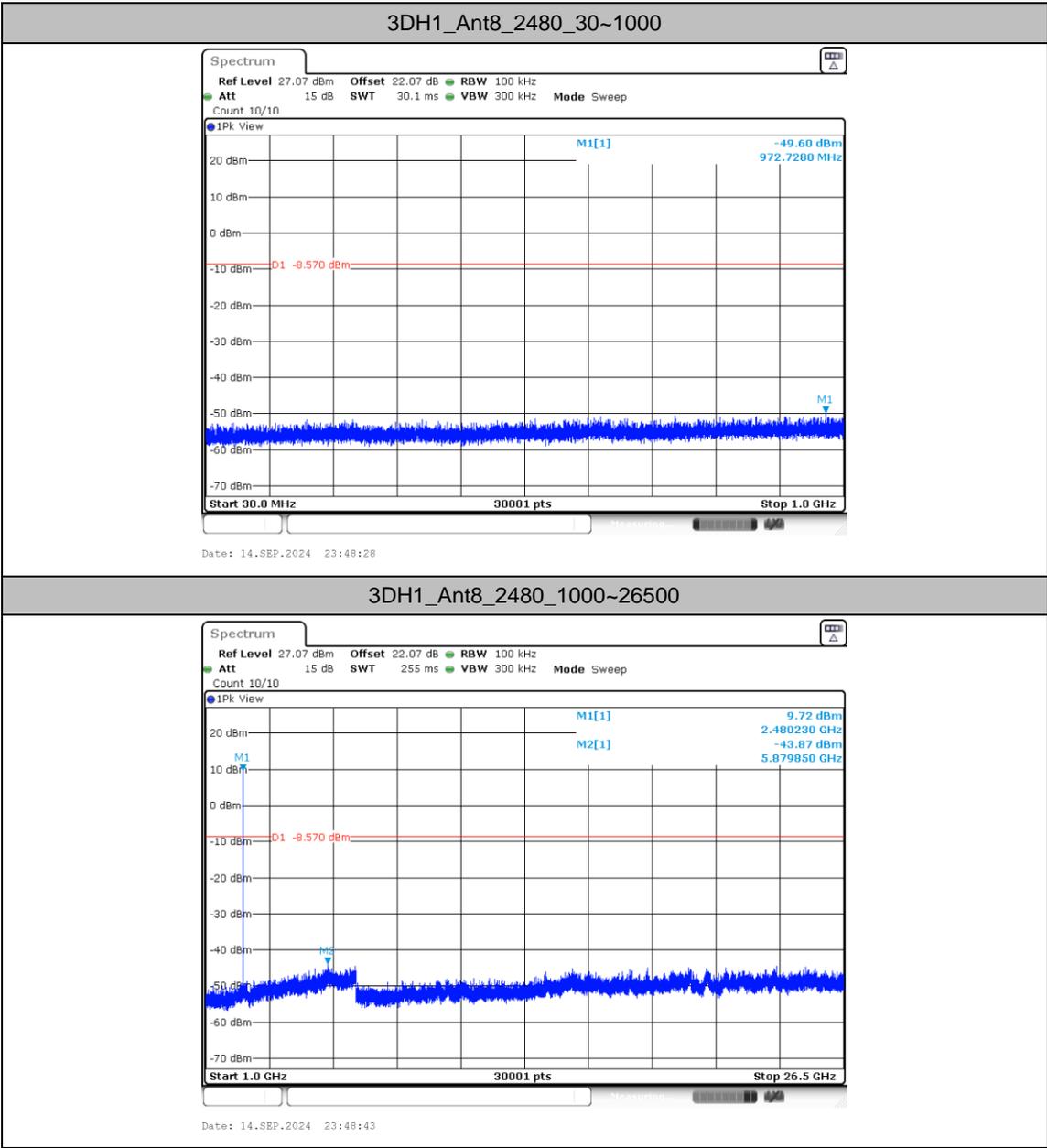














<Bluetooth BR/EDR Beamforming mode>

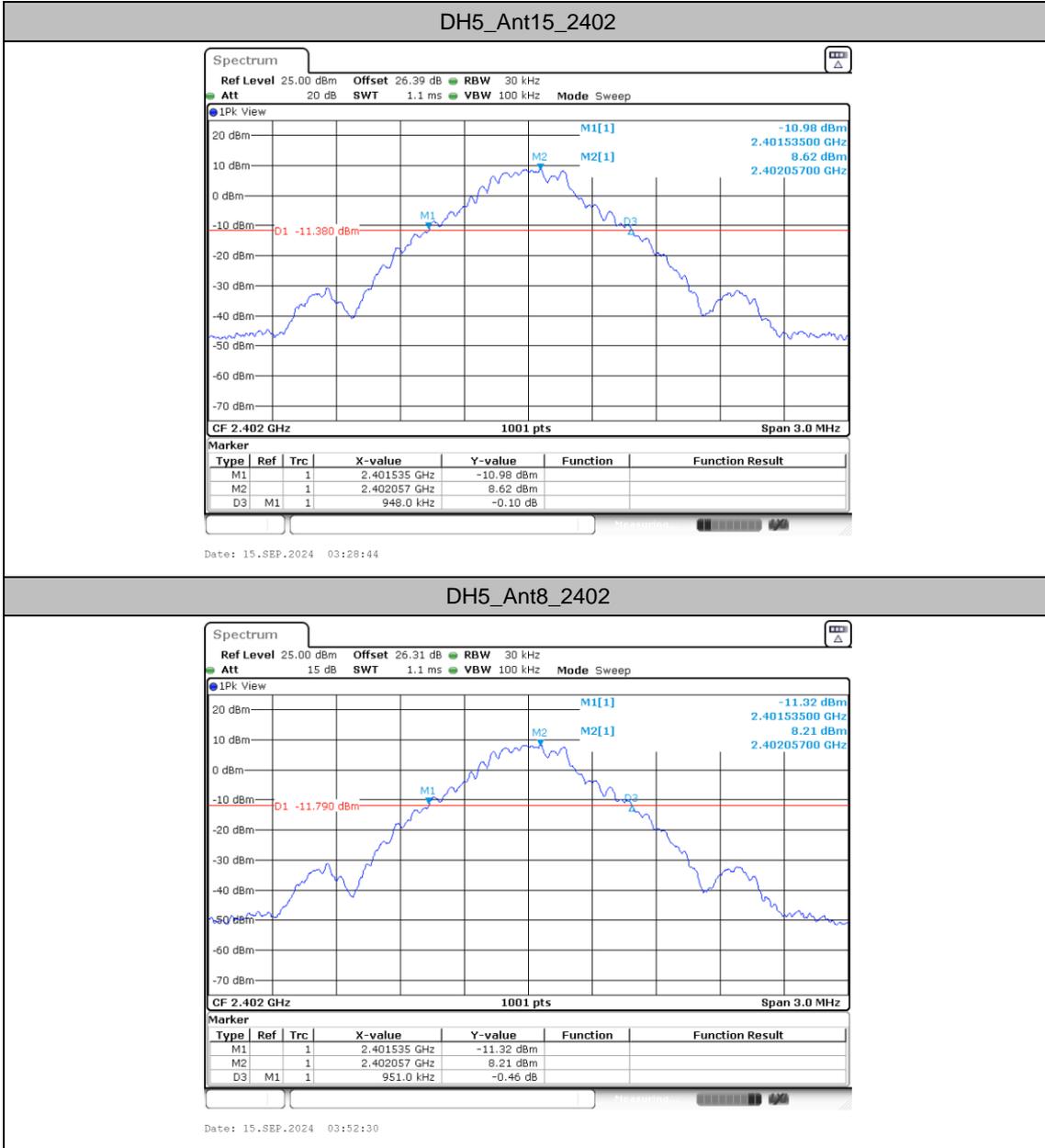
20dB Emission Bandwidth

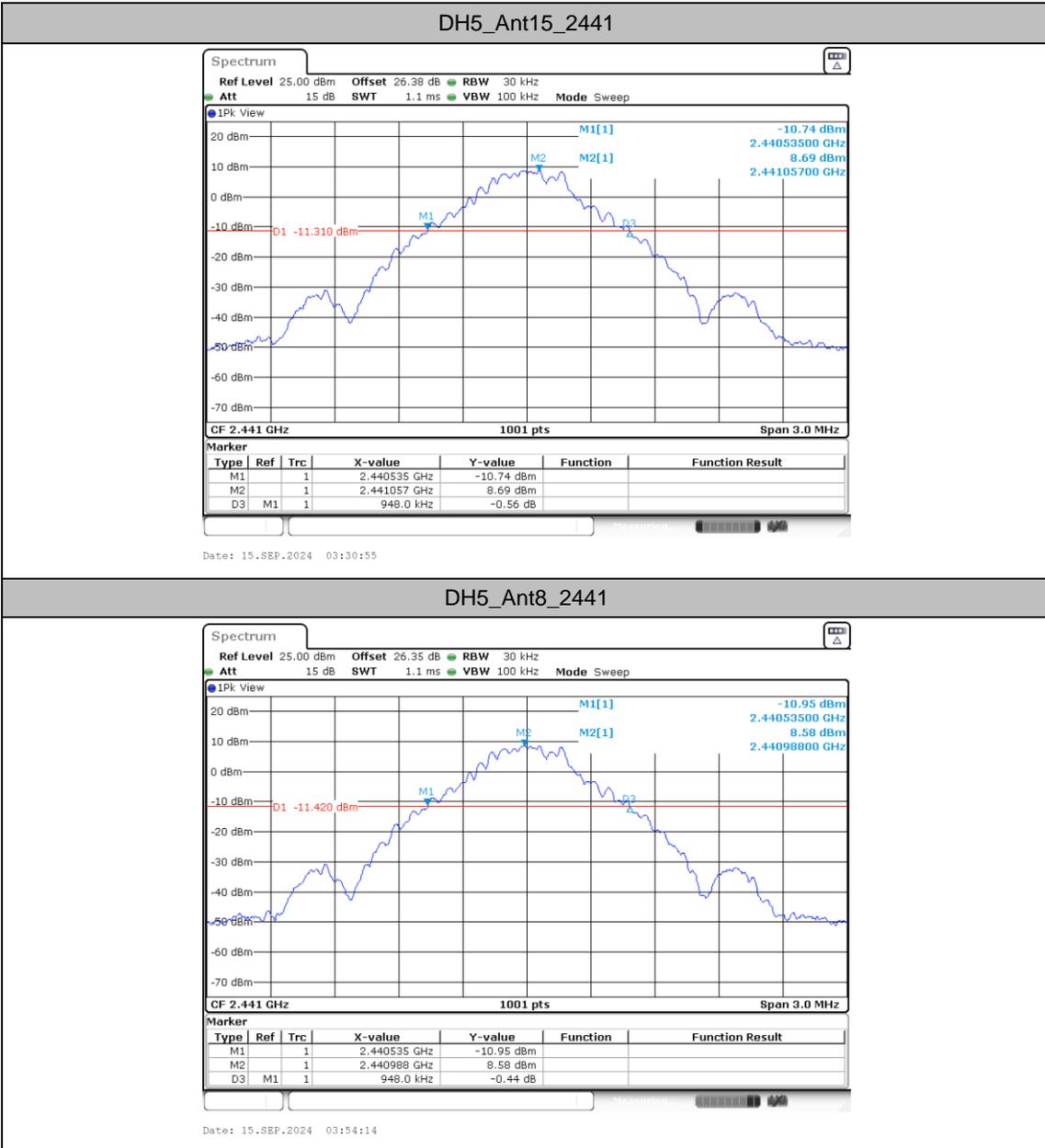
Test Result

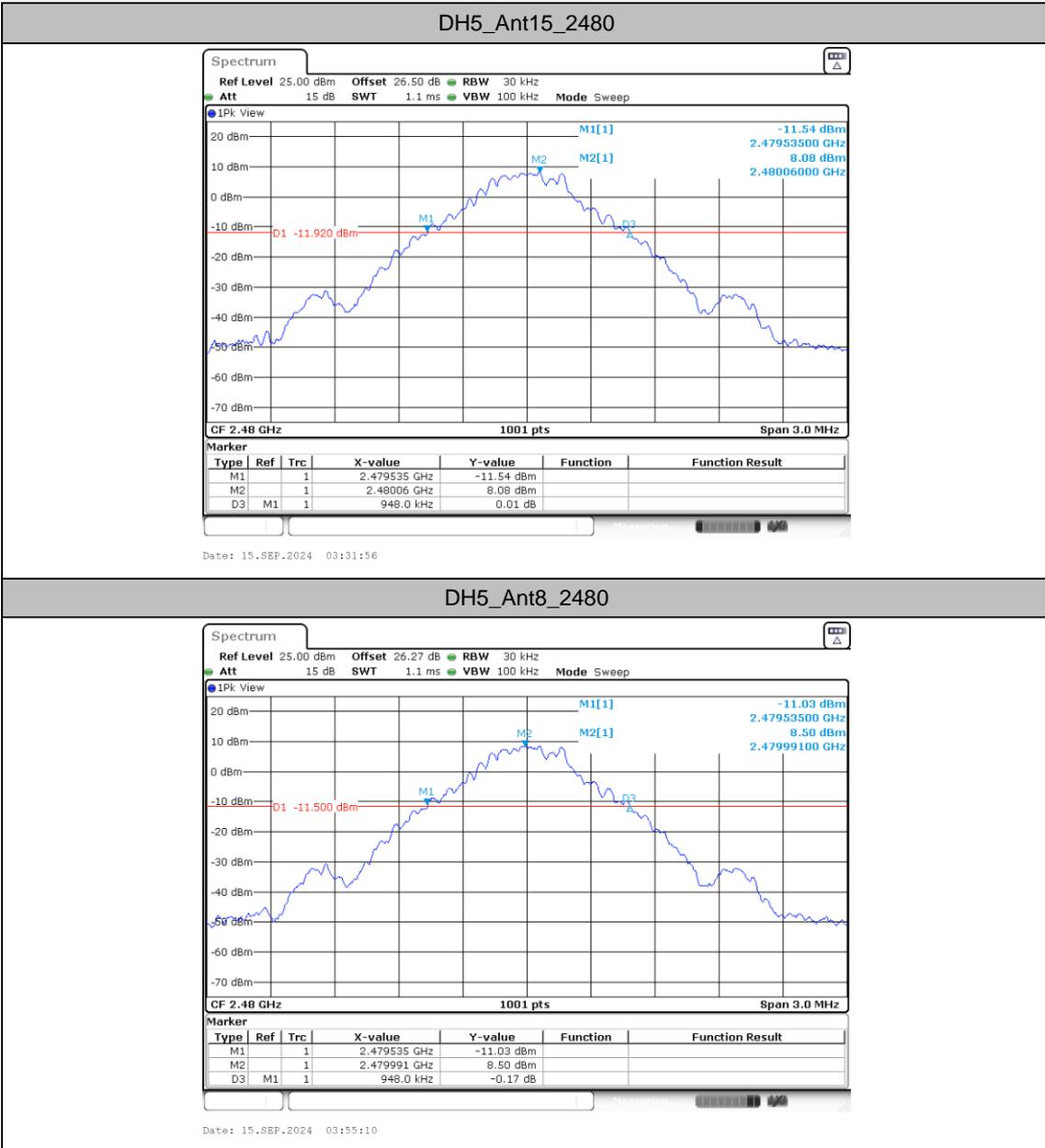
TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant15	2402	0.95	2401.54	2402.48	---	---
	Ant8	2402	0.95	2401.54	2402.49	---	---
	Ant15	2441	0.95	2440.54	2441.48	---	---
	Ant8	2441	0.95	2440.54	2441.48	---	---
	Ant15	2480	0.95	2479.54	2480.48	---	---
	Ant8	2480	0.95	2479.54	2480.48	---	---
2DH1	Ant15	2402	1.30	2401.34	2402.64	---	---
	Ant8	2402	1.30	2401.34	2402.64	---	---
	Ant15	2441	1.30	2440.34	2441.64	---	---
	Ant8	2441	1.30	2440.34	2441.64	---	---
	Ant15	2480	1.30	2479.34	2480.64	---	---
	Ant8	2480	1.30	2479.34	2480.64	---	---
3DH1	Ant15	2402	1.26	2401.37	2402.63	---	---
	Ant8	2402	1.26	2401.37	2402.63	---	---
	Ant15	2441	1.27	2440.37	2441.64	---	---
	Ant8	2441	1.27	2440.37	2441.64	---	---
	Ant15	2480	1.26	2479.37	2480.64	---	---
	Ant8	2480	1.26	2479.37	2480.64	---	---

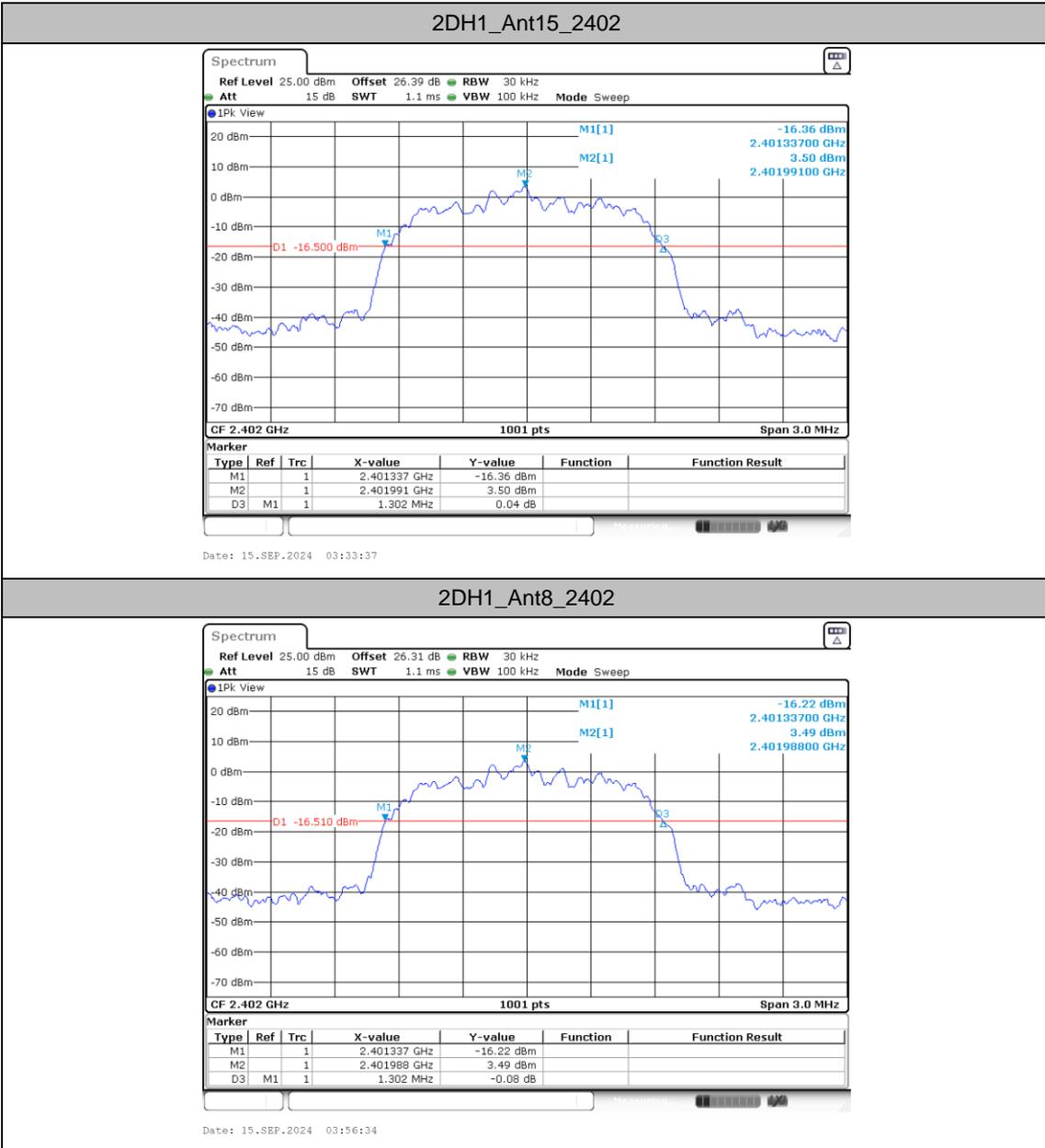


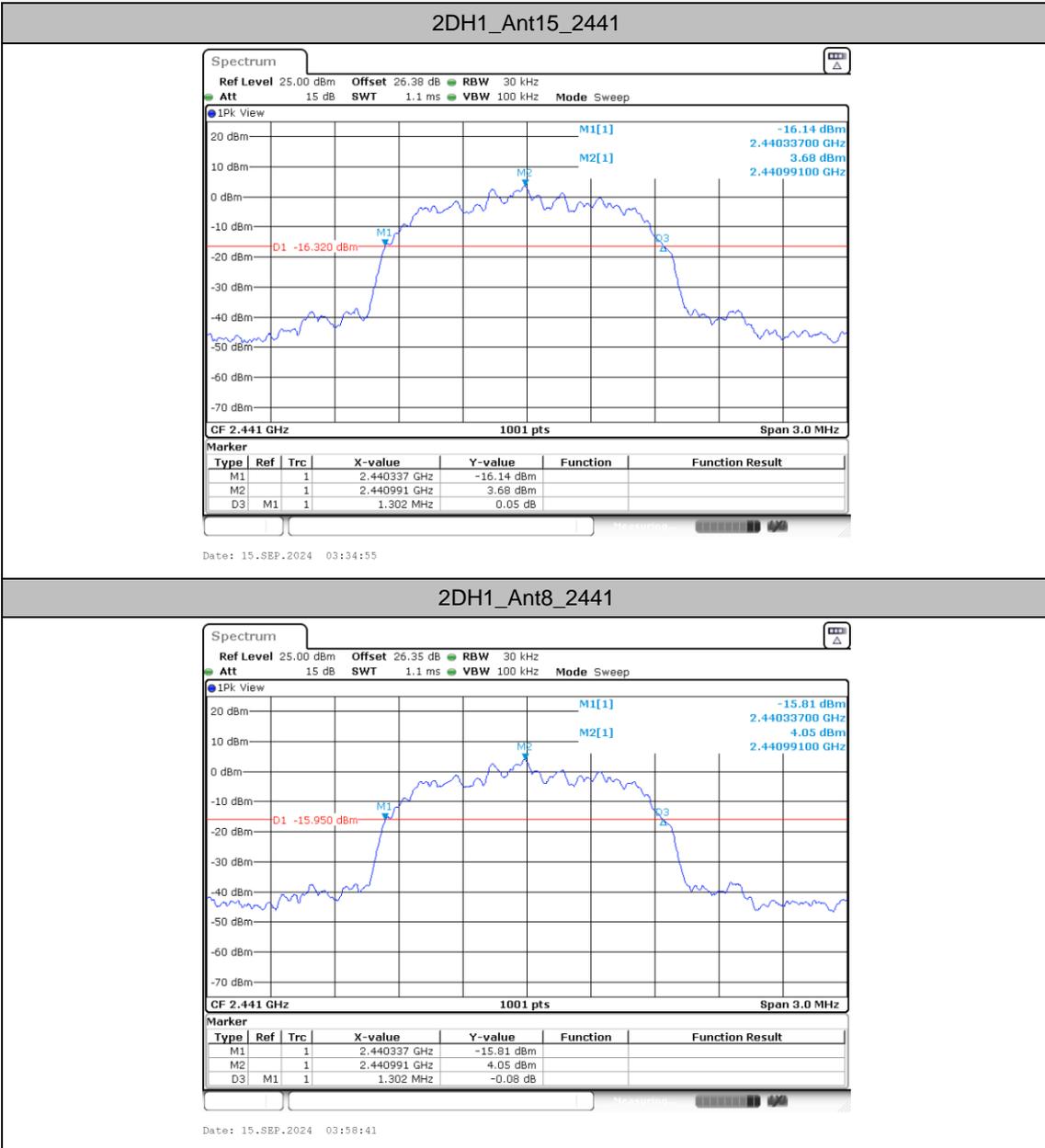
Test Graphs

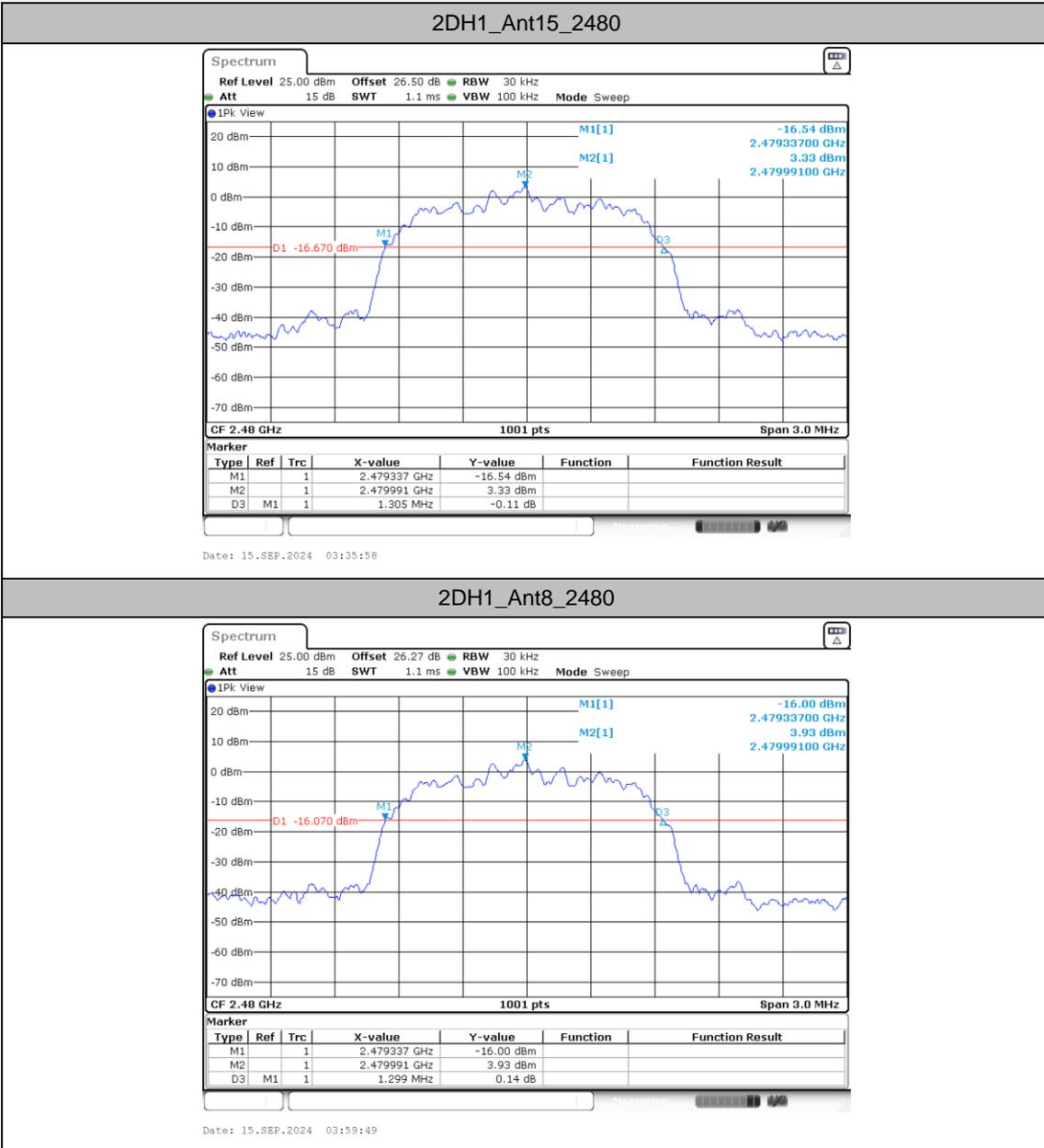


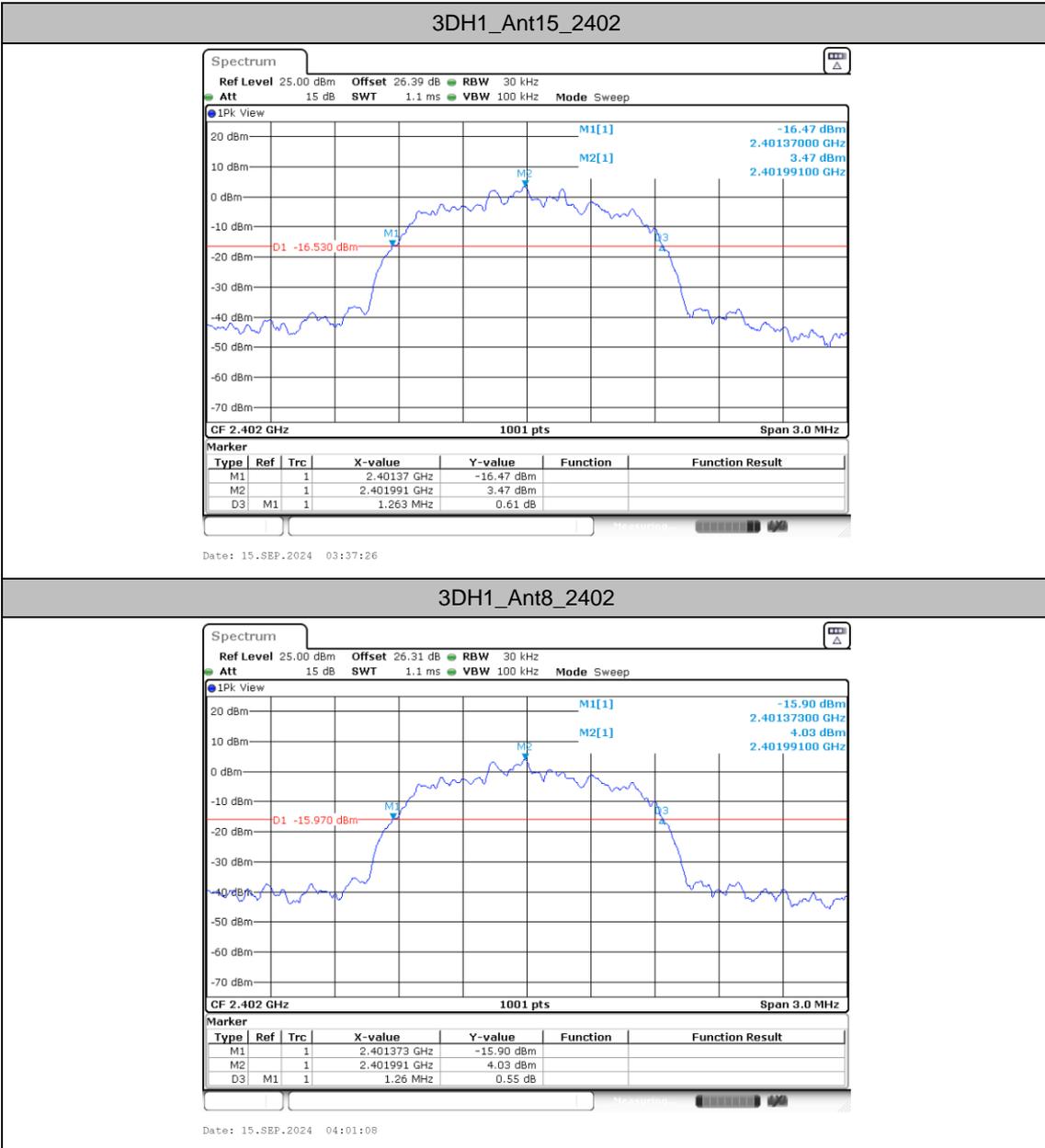


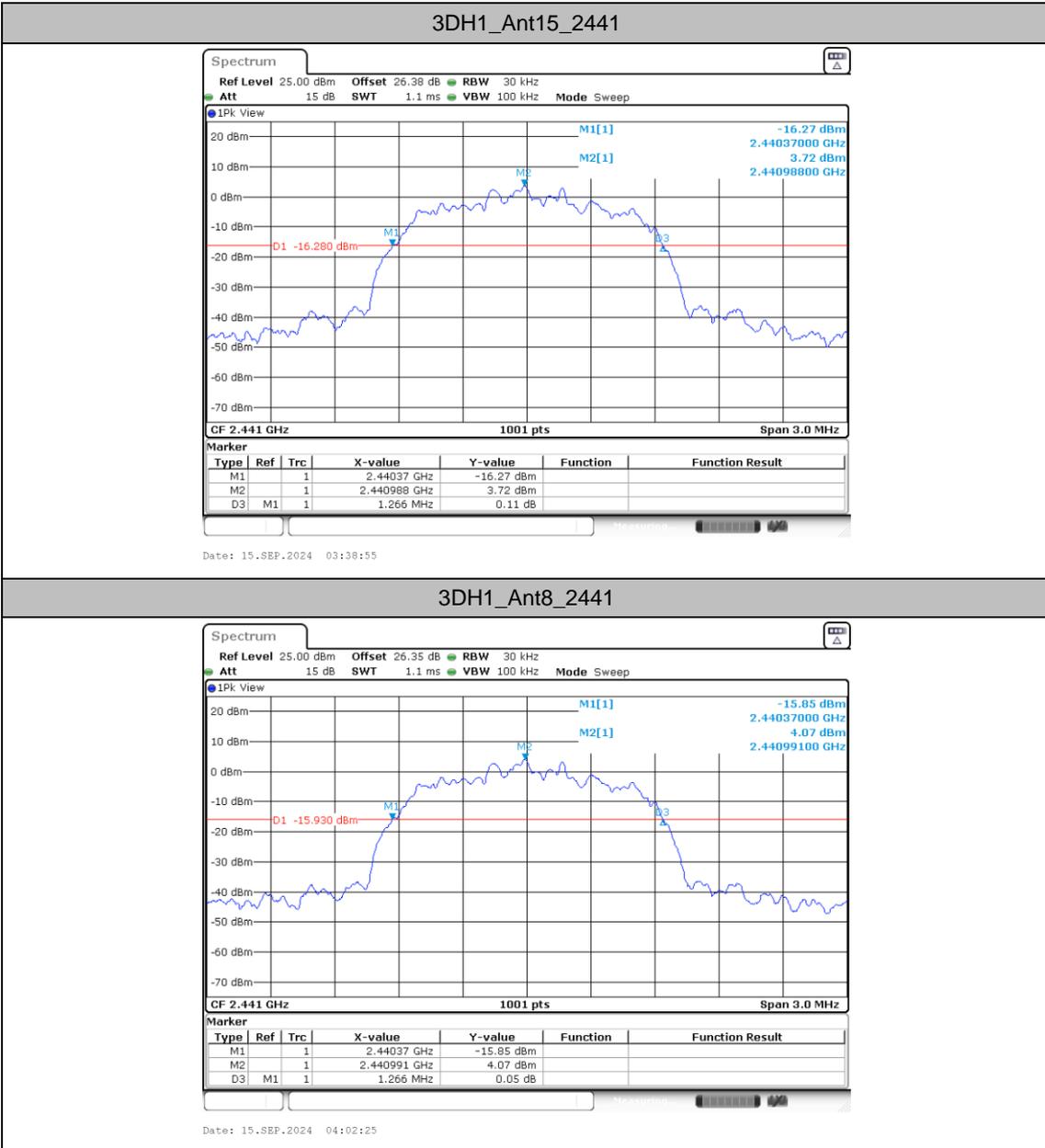


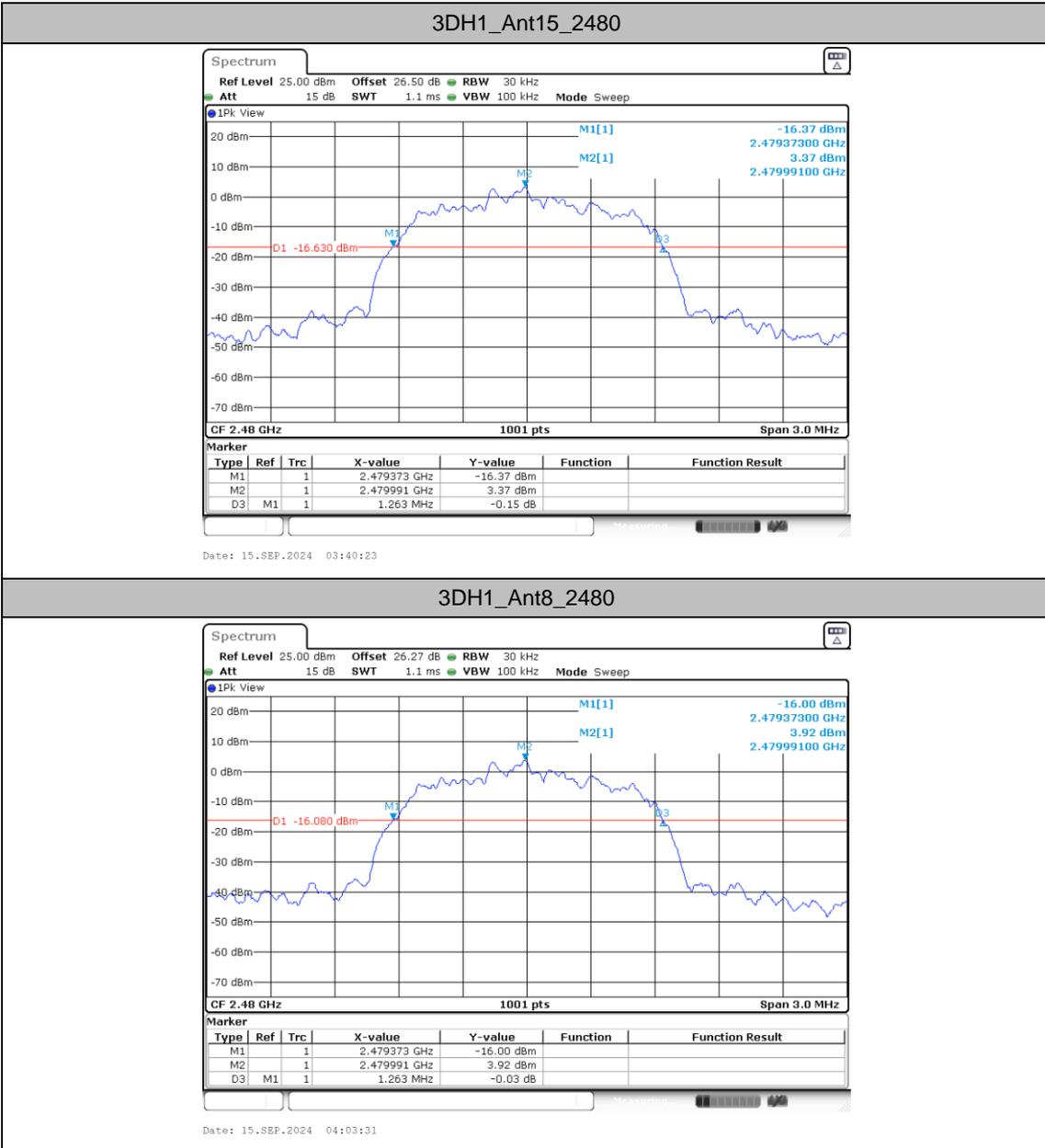














Occupied Channel Bandwidth

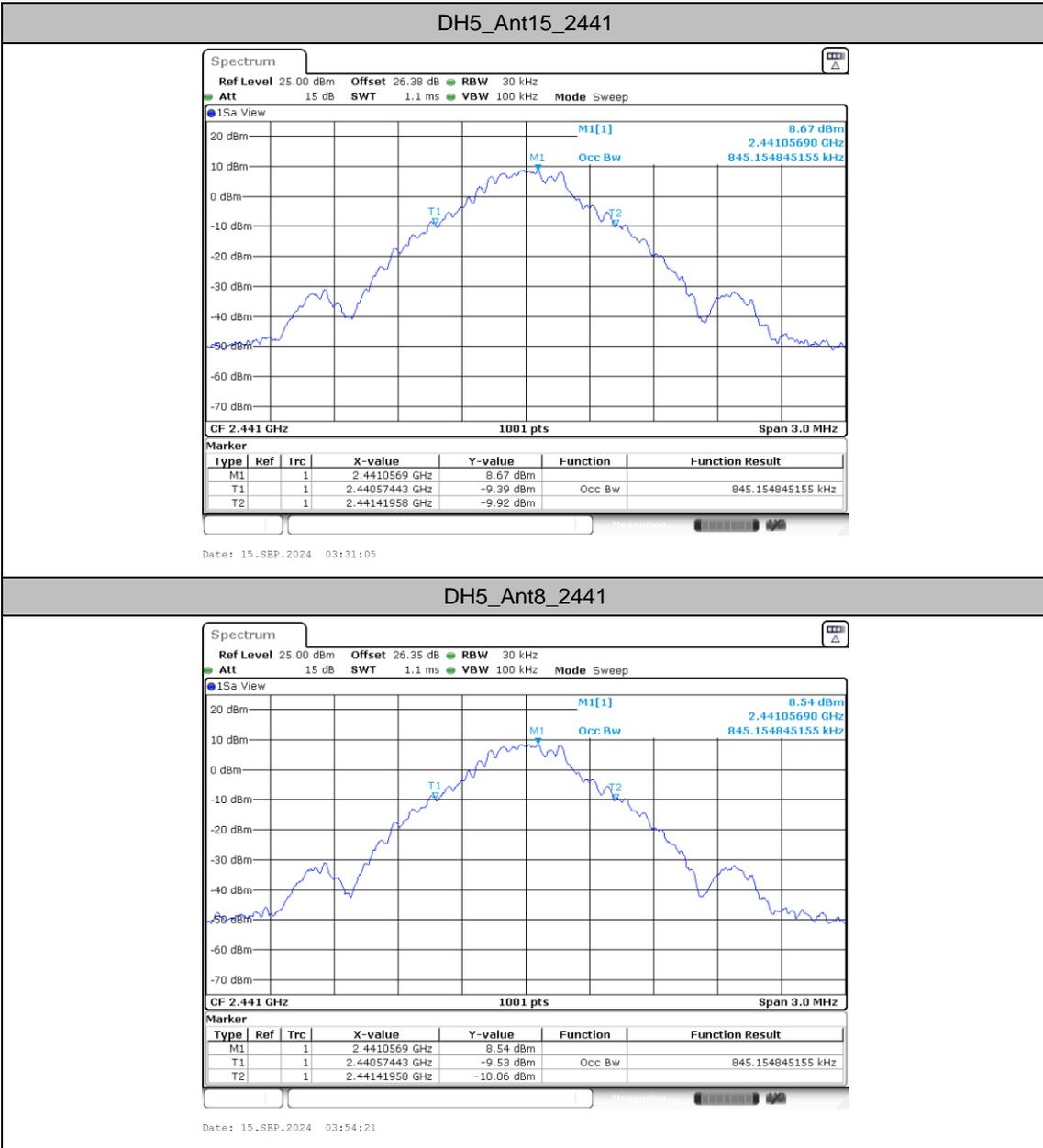
Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant15	2402	0.848	2401.5744	2402.4226	---	---
	Ant8	2402	0.848	2401.5744	2402.4226	---	---
	Ant15	2441	0.845	2440.5744	2441.4196	---	---
	Ant8	2441	0.845	2440.5744	2441.4196	---	---
	Ant15	2480	0.854	2479.5684	2480.4226	---	---
	Ant8	2480	0.851	2479.5714	2480.4226	---	---
2DH1	Ant15	2402	1.169	2401.4066	2402.5754	---	---
	Ant8	2402	1.169	2401.4066	2402.5754	---	---
	Ant15	2441	1.169	2440.4066	2441.5754	---	---
	Ant8	2441	1.169	2440.4066	2441.5754	---	---
	Ant15	2480	1.169	2479.4066	2480.5754	---	---
	Ant8	2480	1.169	2479.4066	2480.5754	---	---
3DH1	Ant15	2402	1.151	2401.4366	2402.5874	---	---
	Ant8	2402	1.157	2401.4336	2402.5904	---	---
	Ant15	2441	1.151	2440.4366	2441.5874	---	---
	Ant8	2441	1.151	2440.4366	2441.5874	---	---
	Ant15	2480	1.154	2479.4336	2480.5874	---	---
	Ant8	2480	1.154	2479.4336	2480.5874	---	---

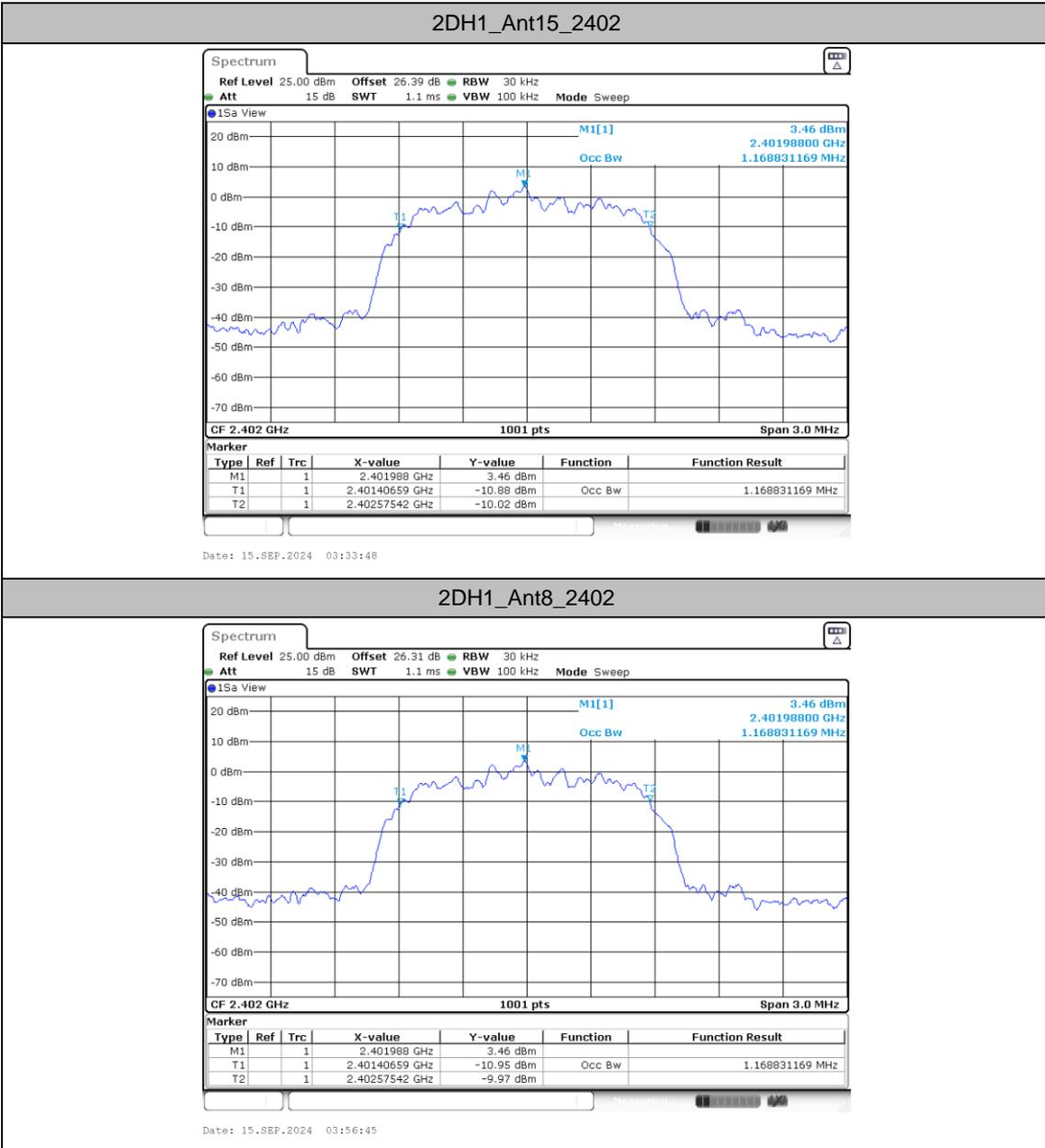


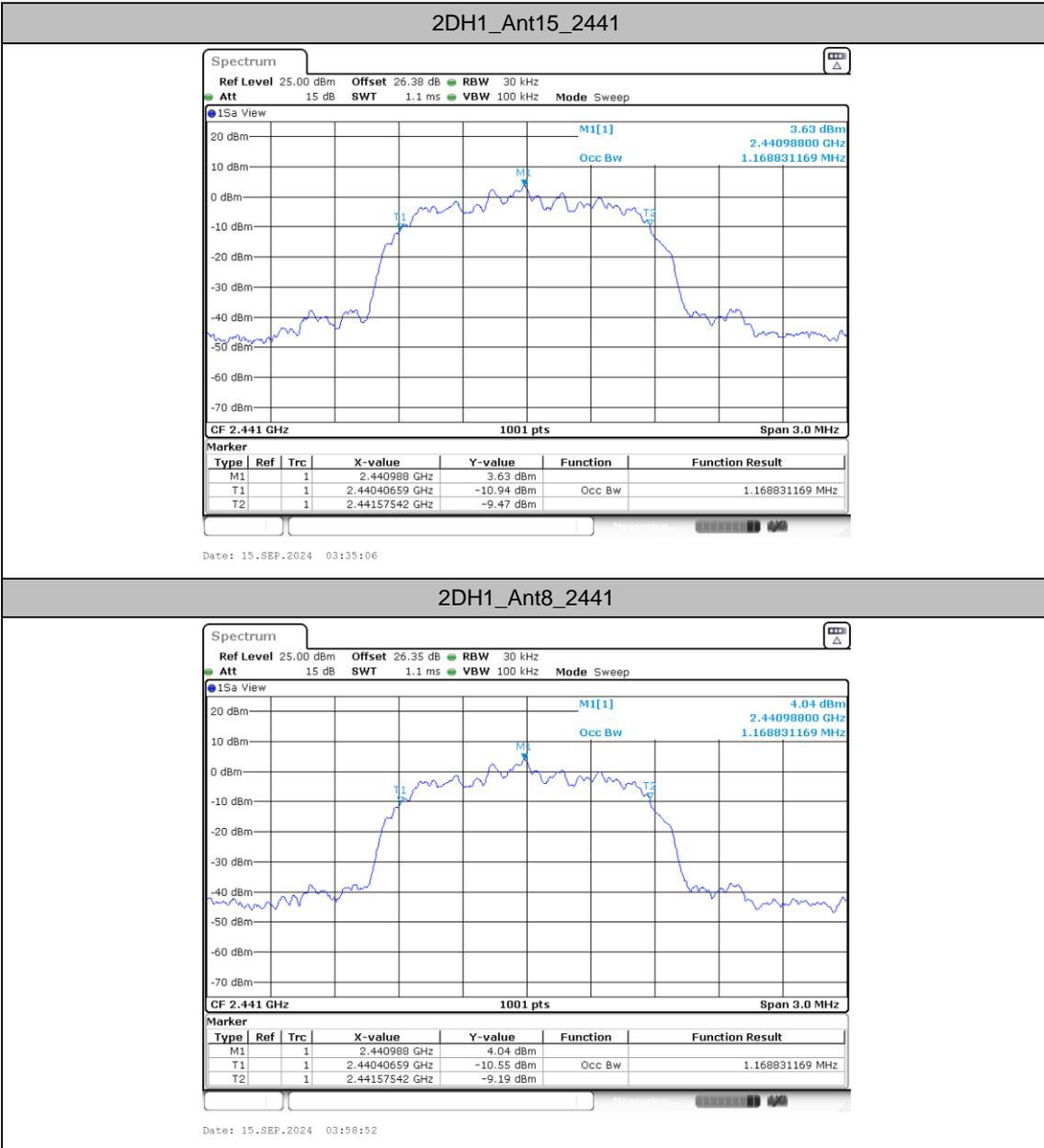
Test Graphs

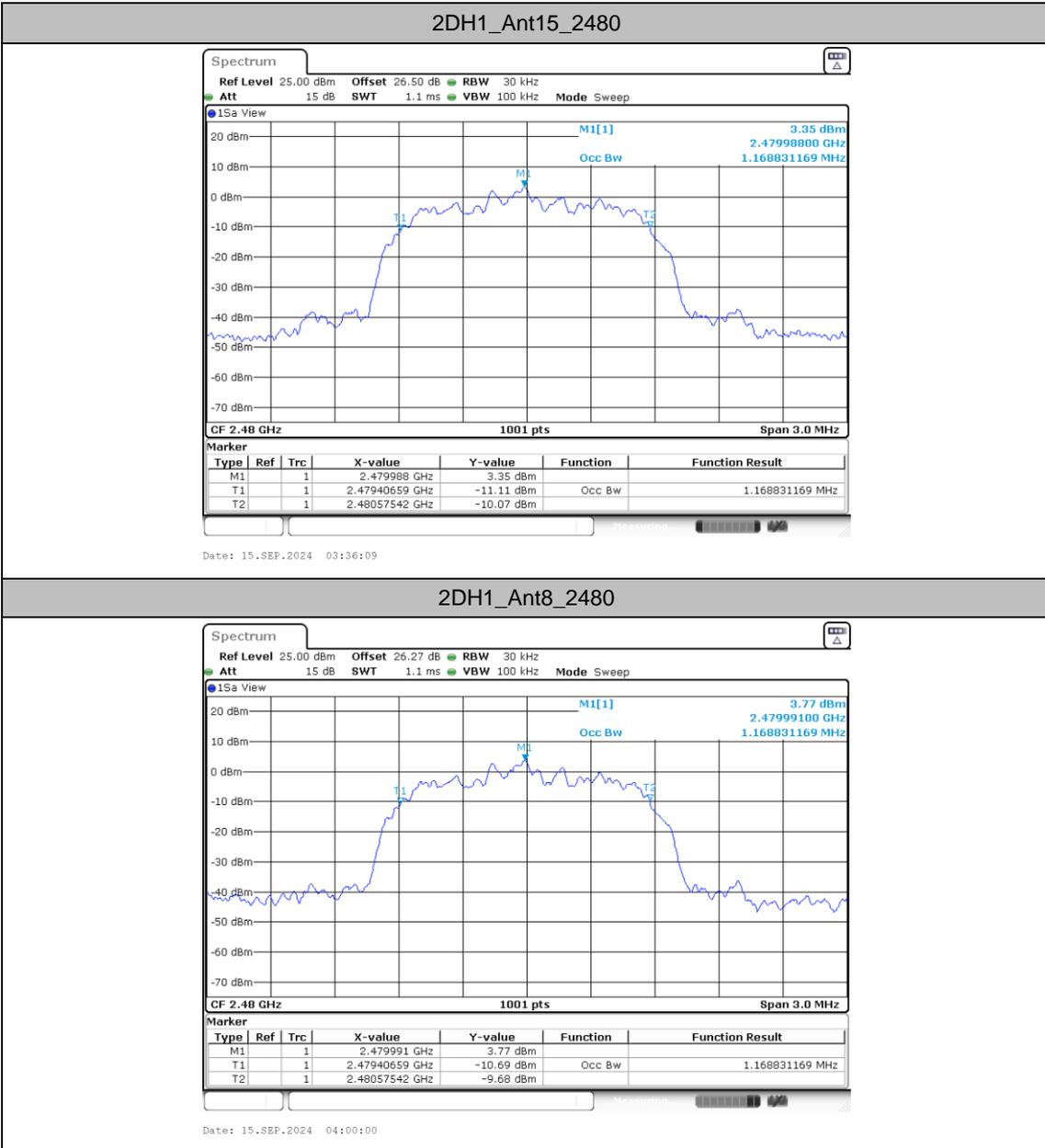


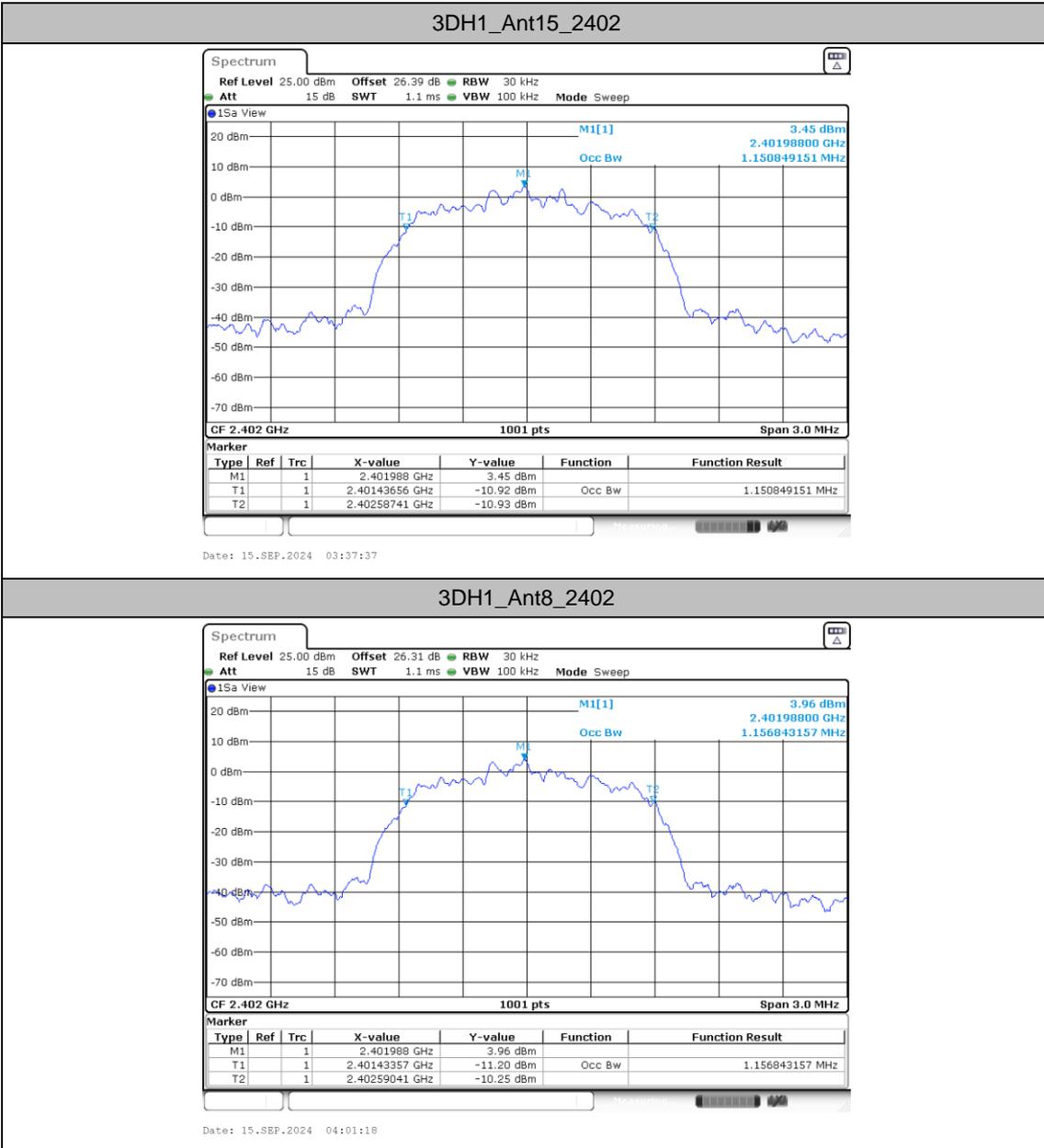


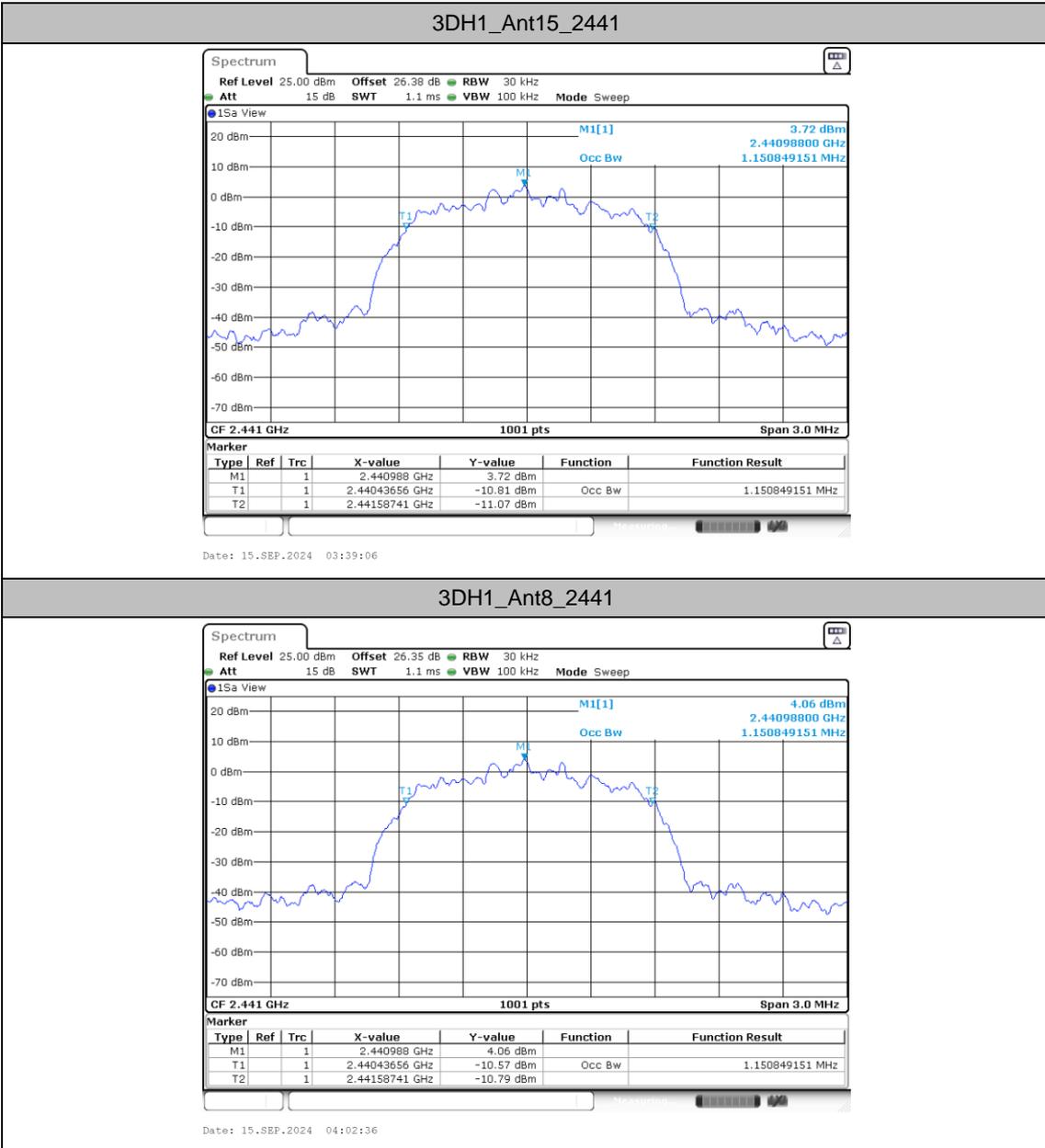


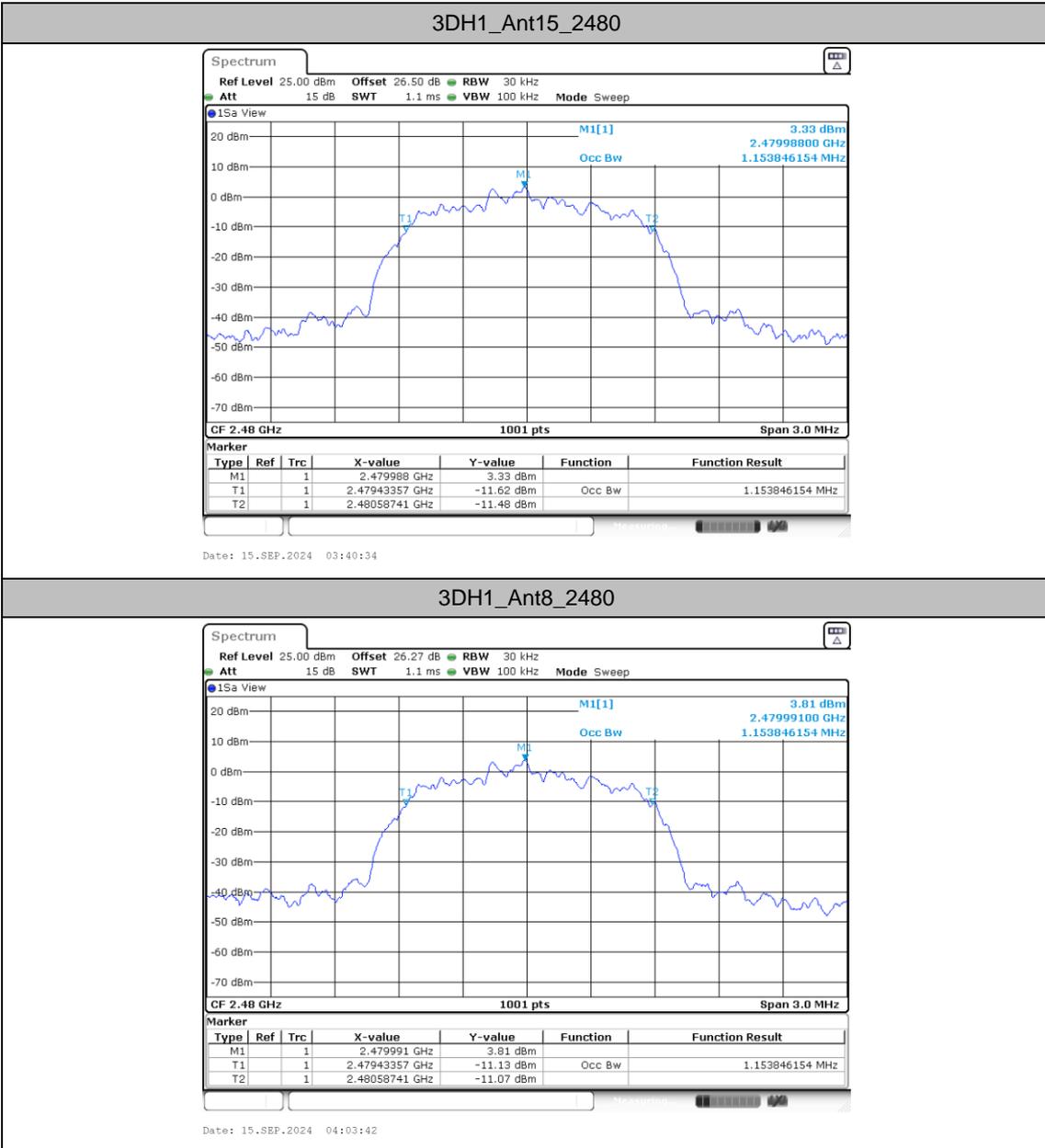














Maximum conducted output power

Test Result

TestMode	Antenna	CH.	Peak Power (dBm)	Power Limit (dBm)	Pass/Fail
DH5	Ant15+8	0	14.64	20.97	Pass
		39	14.89	20.97	Pass
		78	14.61	20.97	Pass
2DH1	Ant15+8	0	12.25	20.97	Pass
		39	12.67	20.97	Pass
		78	12.33	20.97	Pass
3DH1	Ant15+8	0	12.90	20.97	Pass
		39	13.29	20.97	Pass
		78	12.97	20.97	Pass

Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant15	2402	1.004	≥0.633	PASS
	Ant8	2402	1.148	≥0.633	PASS
	Ant15	2441	1.004	≥0.633	PASS
	Ant8	2441	1.17	≥0.633	PASS
	Ant15	2480	0.996	≥0.633	PASS
	Ant8	2480	1.004	≥0.633	PASS
2DH1	Ant15	2402	1	≥0.867	PASS
	Ant8	2402	1.004	≥0.867	PASS
	Ant15	2441	0.991	≥0.867	PASS
	Ant8	2441	1.013	≥0.867	PASS
	Ant15	2480	1.004	≥0.867	PASS
	Ant8	2480	0.991	≥0.867	PASS
3DH1	Ant15	2402	1.022	≥0.847	PASS
	Ant8	2402	1	≥0.840	PASS
	Ant15	2441	1.009	≥0.840	PASS
	Ant8	2441	1.013	≥0.847	PASS
	Ant15	2480	1	≥0.840	PASS
	Ant8	2480	0.996	≥0.840	PASS



Test Graphs





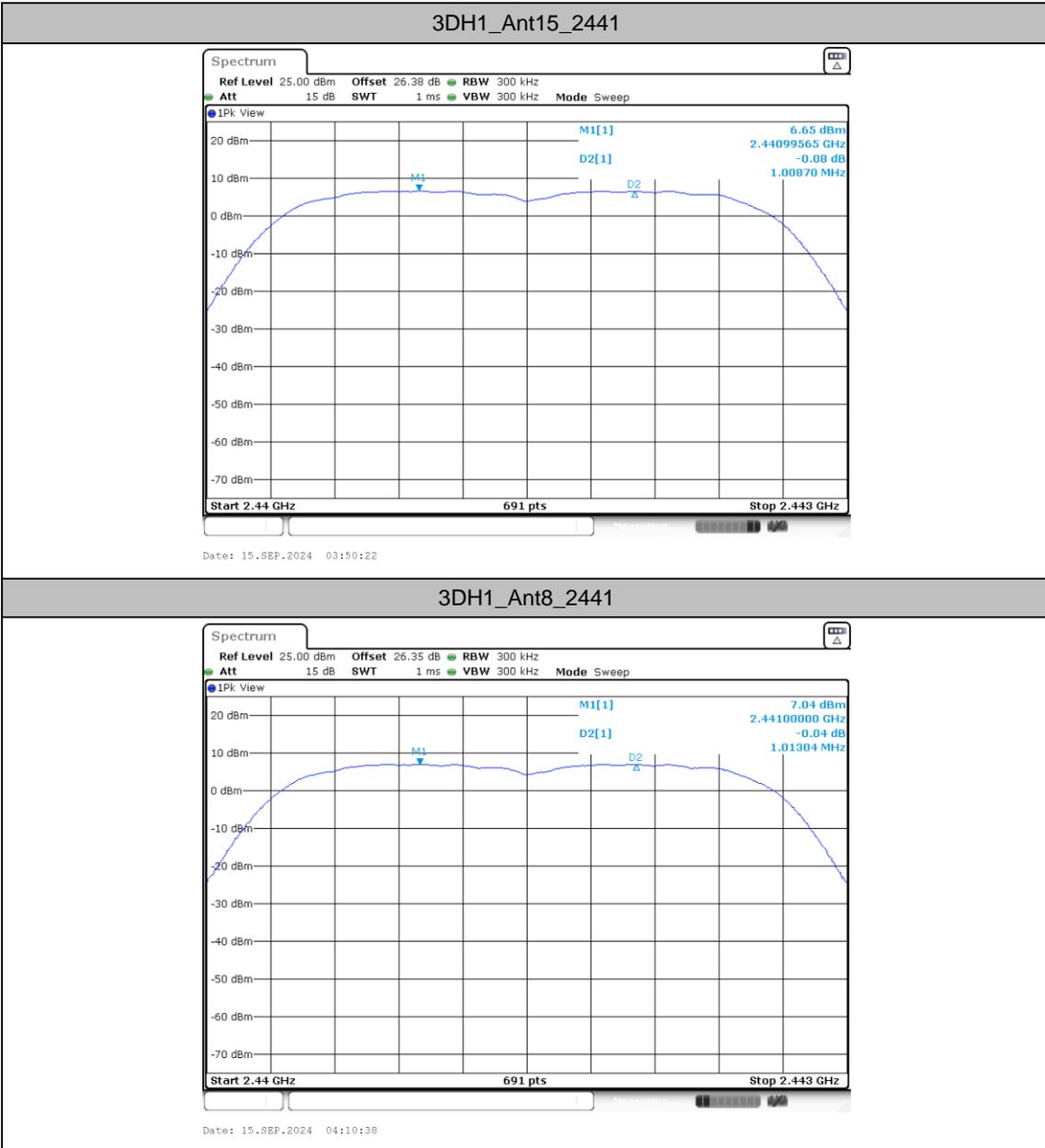


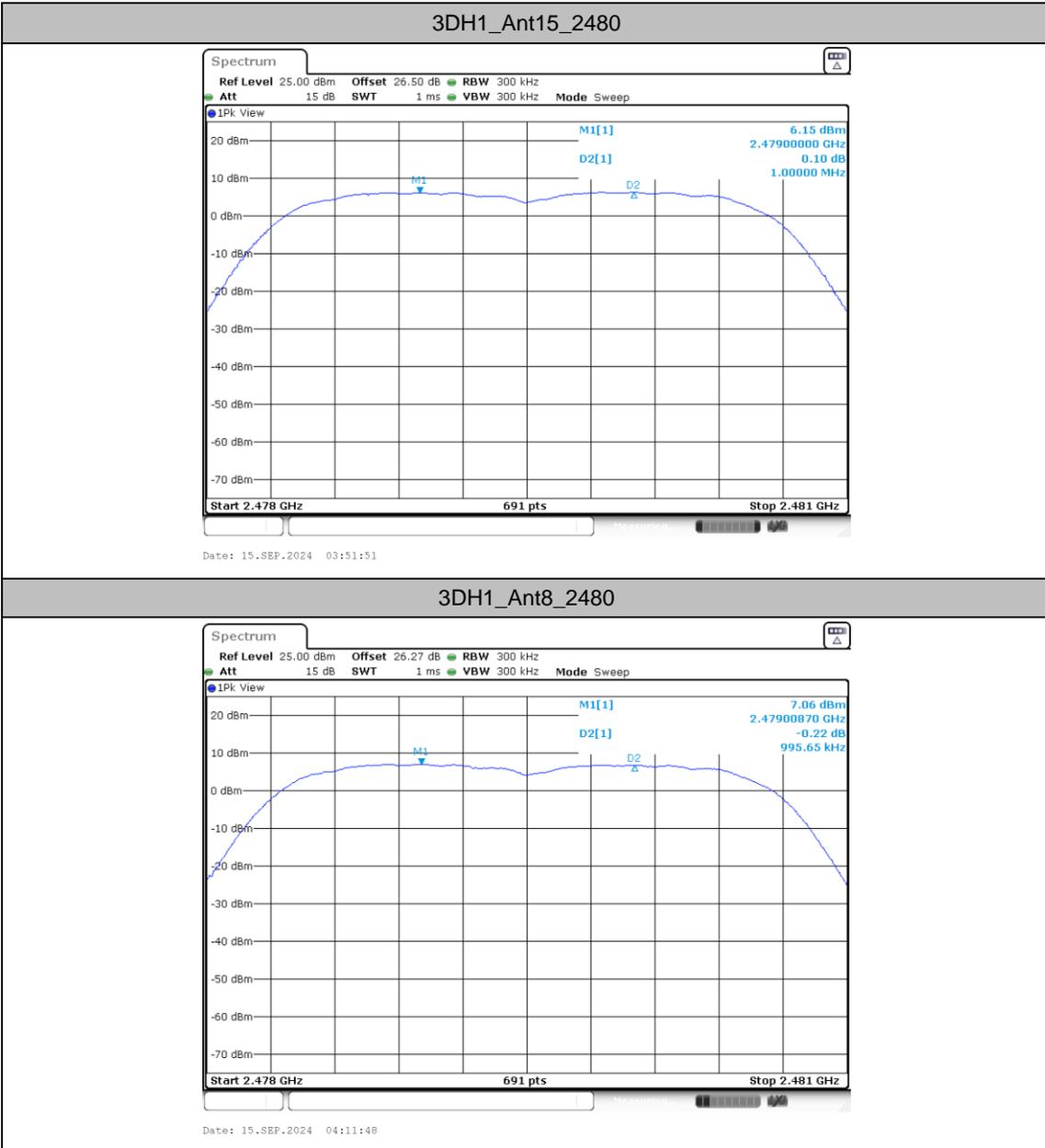














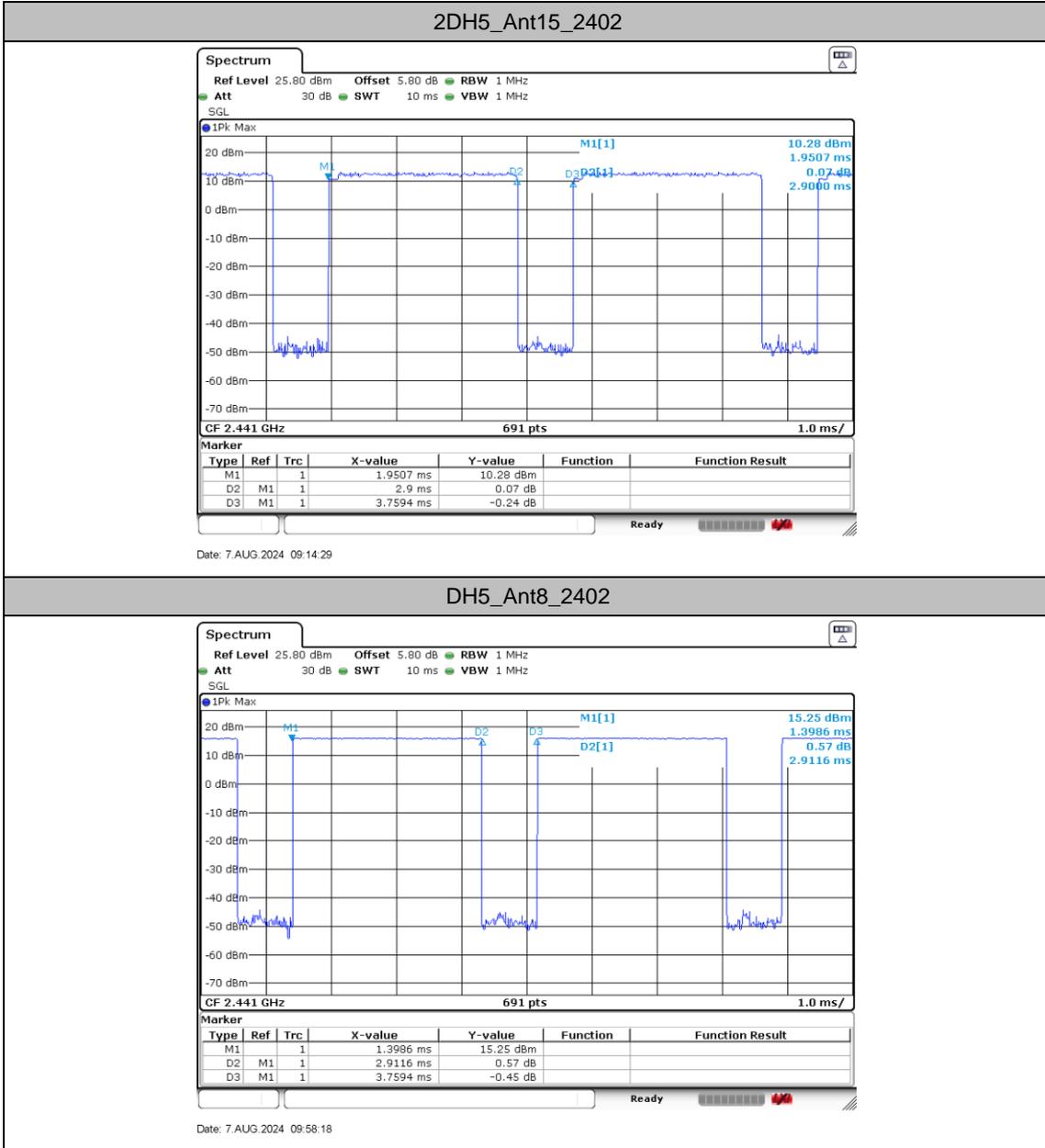
Time of occupancy

Test Result

TestMode	Antenna	Hopping Channel Number Rate	Hops Over Occupancy Time(hops)	Package Transfer Time (msec) (MHz)	Dwell Time (sec)	Limits (sec)	Pass/Fail
Normal	Ant15	79	106.67	2.9000	0.31	0.4	Pass
AFH	Ant15	20	53.33	2.9000	0.15	0.4	Pass
Normal	Ant8	79	106.67	2.9116	0.31	0.4	Pass
AFH	Ant8	20	53.33	2.9116	0.16	0.4	Pass



Test Graphs





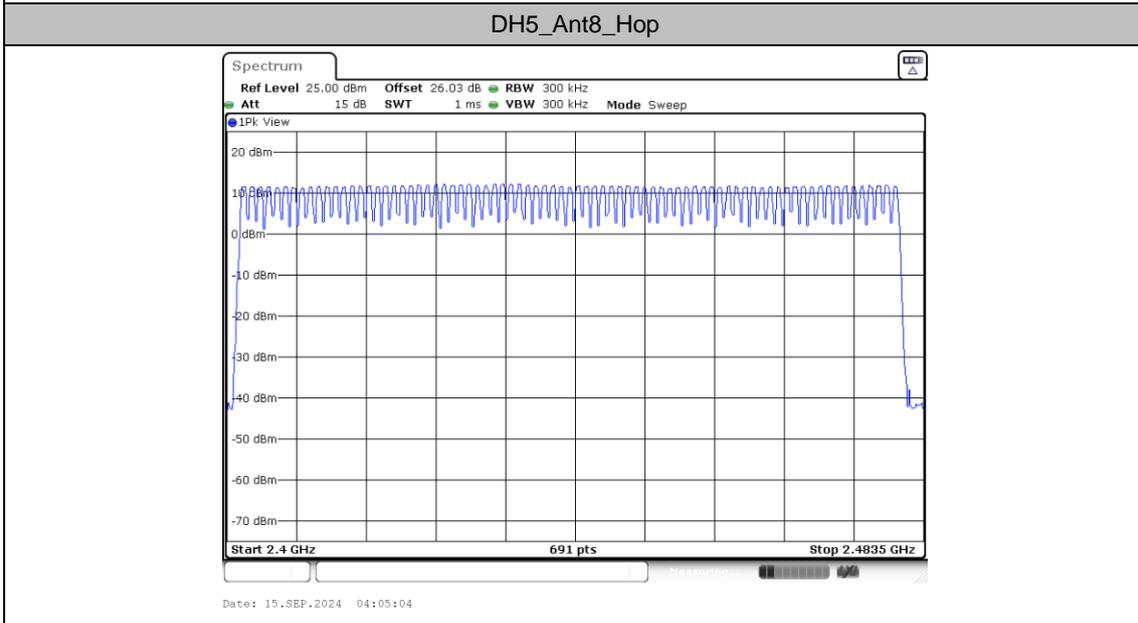
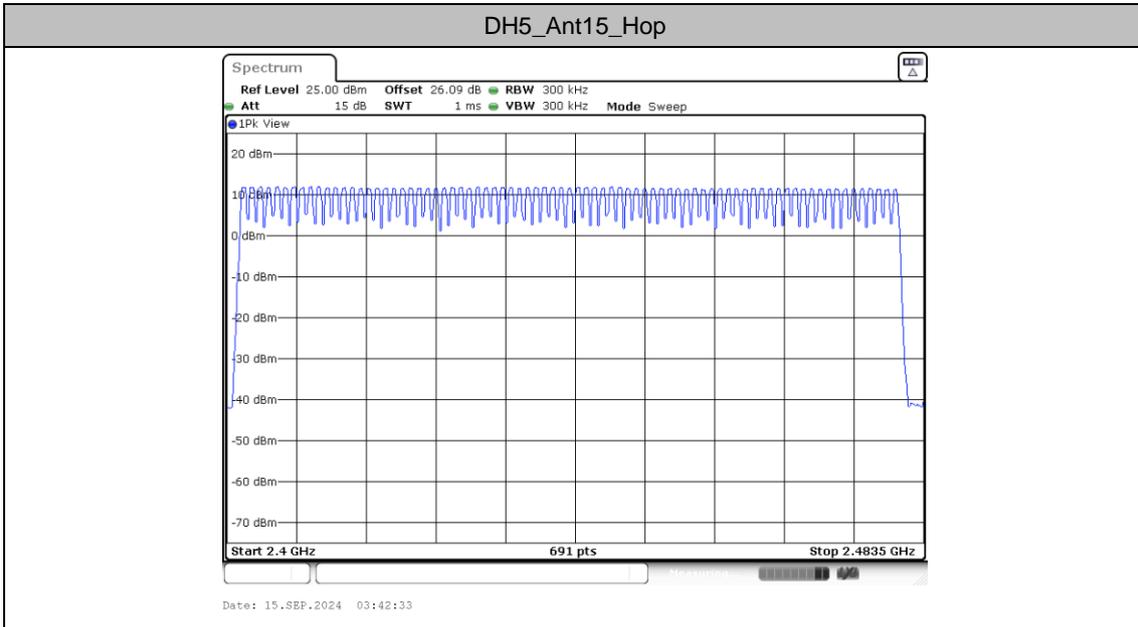
Number of hopping channels

Test Result

TestMode	Antenna	Freq(MHz)	Result[Num]	Limit[Num]	Verdict
DH5	Ant15	Hop	79	≥15	PASS
	Ant8	Hop	79	≥15	PASS



Test Graphs





Band edge measurements

Test Result

TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant15	Low	2402	11.53	-43.92	≤-8.47	PASS
	Ant8	Low	2402	11.07	-44.14	≤-8.93	PASS
	Ant15	High	2480	10.85	-43.42	≤-9.15	PASS
	Ant8	High	2480	11.25	-43.43	≤-8.75	PASS
	Ant15	Low	Hop_2402	11.10	-44.49	≤-8.9	PASS
	Ant8	Low	Hop_2402	10.45	-45.02	≤-9.55	PASS
	Ant15	High	Hop_2480	10.86	-43.32	≤-9.14	PASS
	Ant8	High	Hop_2480	11.27	-44.05	≤-8.73	PASS
2DH1	Ant15	Low	2402	6.20	-44.7	≤-13.8	PASS
	Ant8	Low	2402	6.25	-44.43	≤-13.75	PASS
	Ant15	High	2480	6.04	-43.91	≤-13.96	PASS
	Ant8	High	2480	6.50	-43.75	≤-13.5	PASS
	Ant15	Low	Hop_2402	5.26	-45.19	≤-14.74	PASS
	Ant8	Low	Hop_2402	5.90	-44.71	≤-14.1	PASS
	Ant15	High	Hop_2480	6.65	-42.43	≤-13.35	PASS
	Ant8	High	Hop_2480	7.15	-44.07	≤-12.85	PASS
3DH1	Ant15	Low	2402	6.30	-44.43	≤-13.7	PASS
	Ant8	Low	2402	6.82	-44.28	≤-13.18	PASS
	Ant15	High	2480	6.07	-43.34	≤-13.93	PASS
	Ant8	High	2480	6.58	-44.29	≤-13.42	PASS
	Ant15	Low	Hop_2402	5.89	-44.53	≤-14.11	PASS
	Ant8	Low	Hop_2402	6.21	-44.47	≤-13.79	PASS
	Ant15	High	Hop_2480	6.55	-44.15	≤-13.45	PASS
	Ant8	High	Hop_2480	7.33	-43.89	≤-12.67	PASS



Test Graphs

