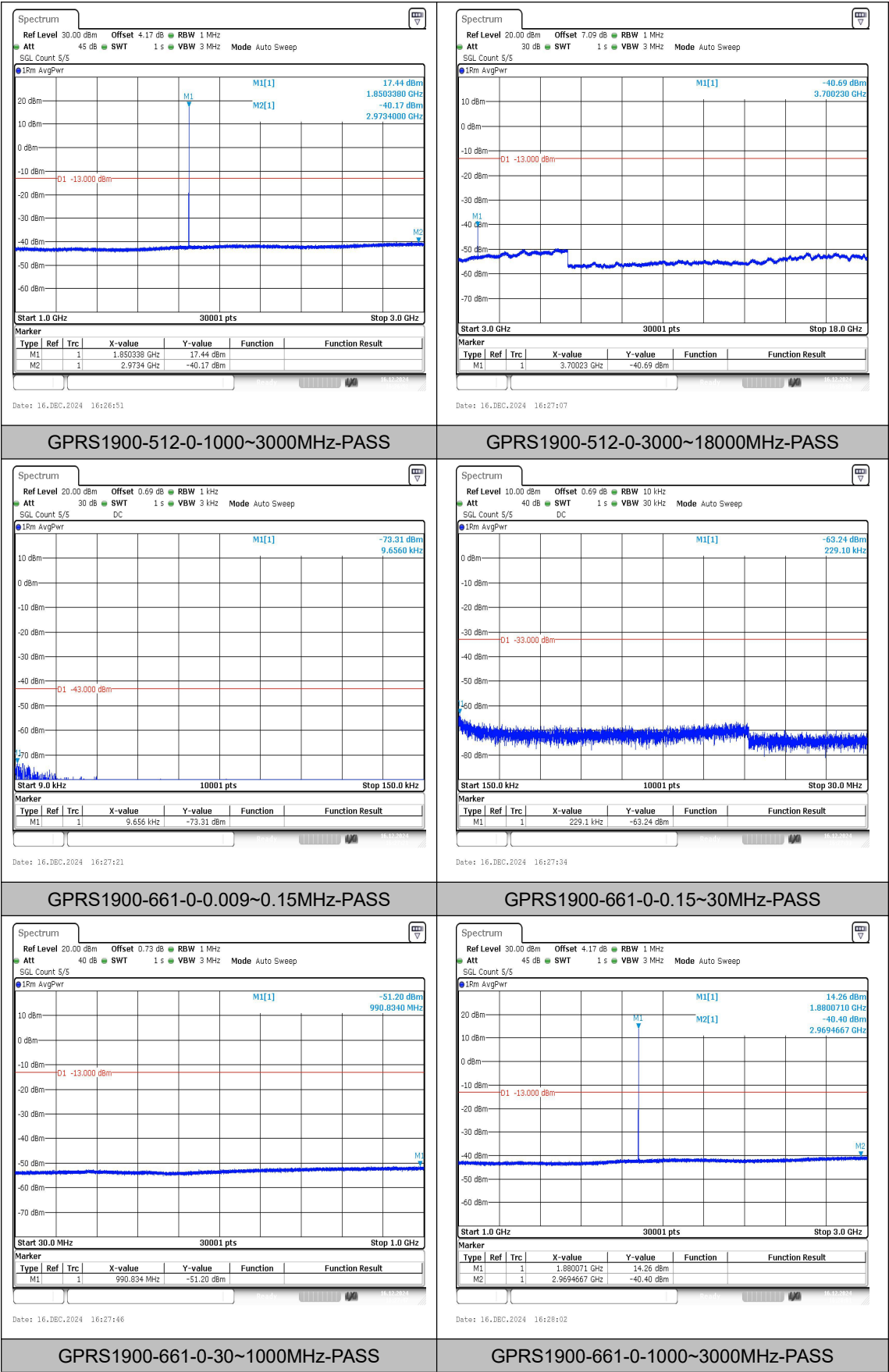
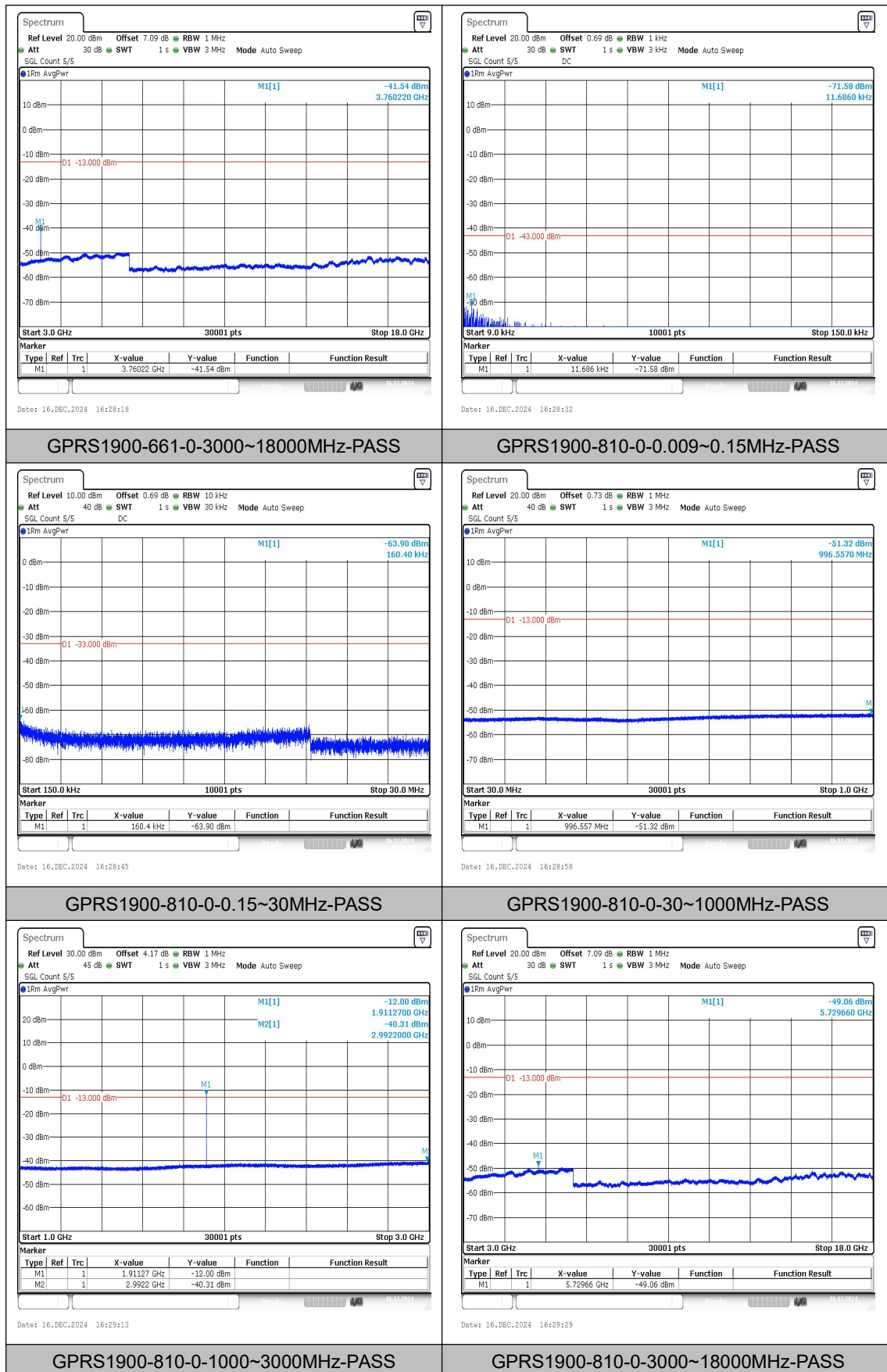
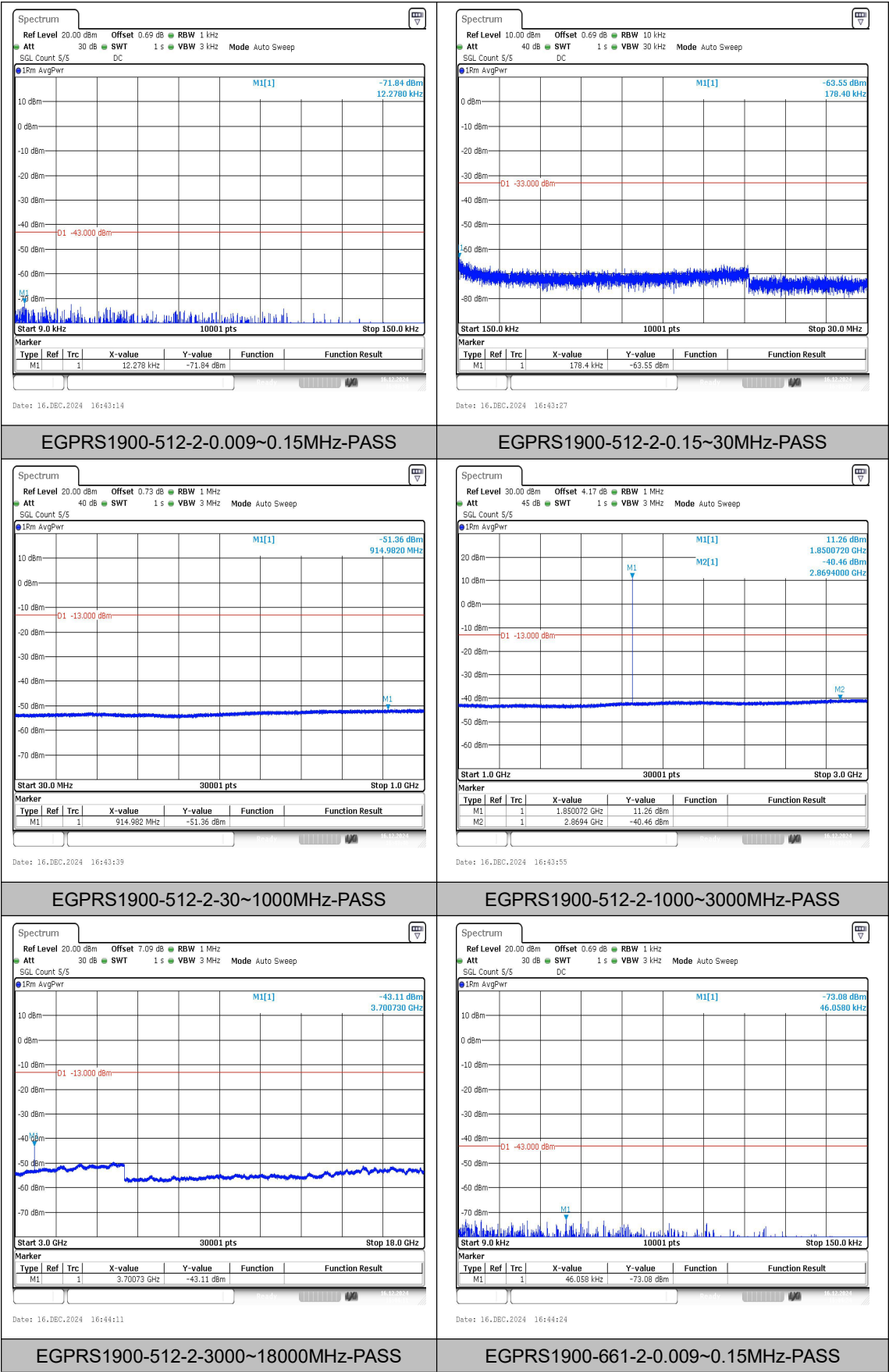
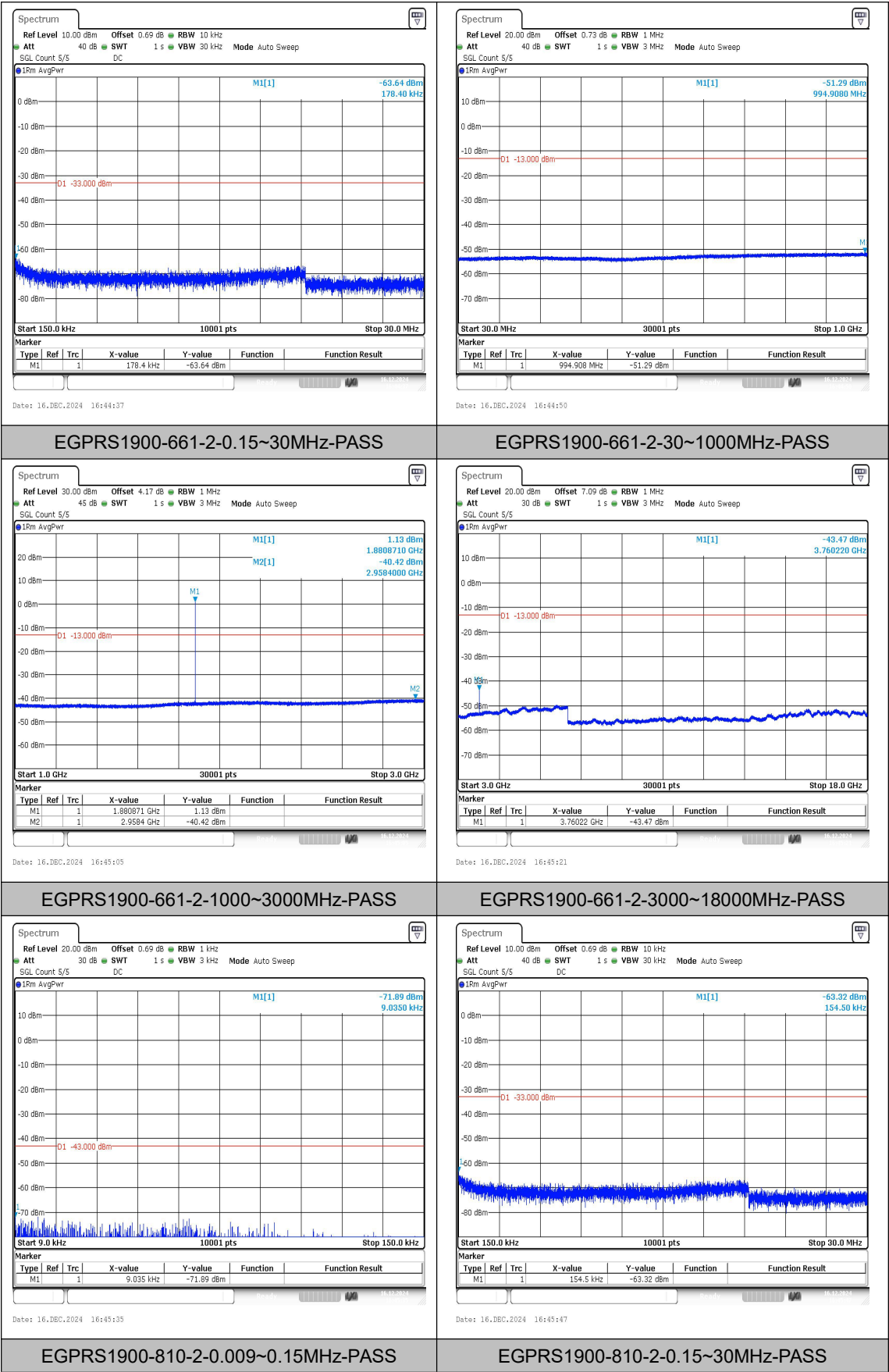
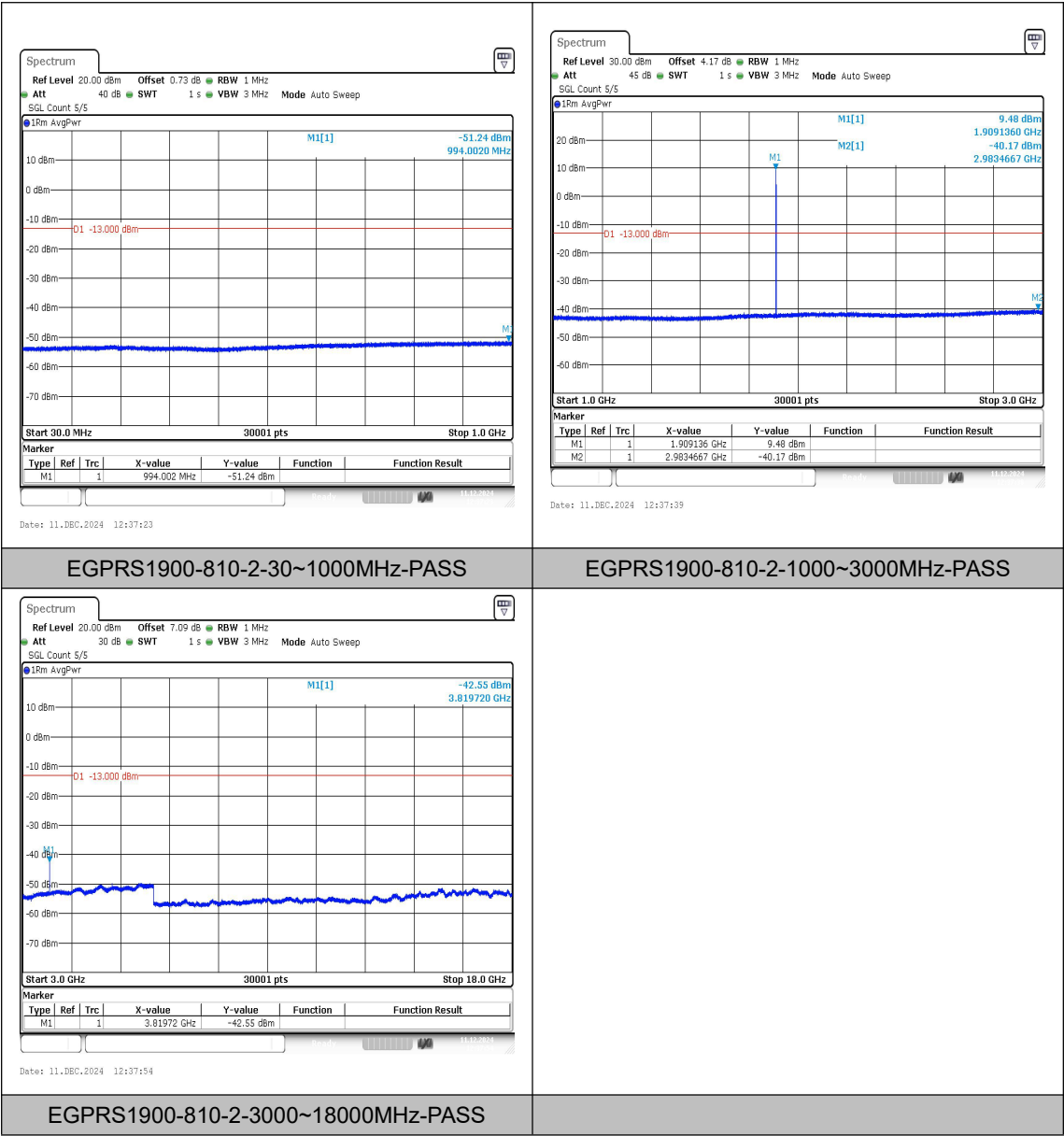












Appendix F: Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM1900	512	VN	NT	21.44	0.011588	±2.5	PASS
GSM1900	512	VL	NT	18.66	0.010085	±2.5	PASS
GSM1900	512	VH	NT	3.71	0.002005	±2.5	PASS
GSM1900	661	VN	NT	16.40	0.008723	±2.5	PASS
GSM1900	661	VL	NT	5.62	0.002989	±2.5	PASS
GSM1900	661	VH	NT	17.76	0.009447	±2.5	PASS
GSM1900	810	VN	NT	18.37	0.009619	±2.5	PASS
GSM1900	810	VL	NT	13.79	0.007221	±2.5	PASS
GSM1900	810	VH	NT	11.46	0.006001	±2.5	PASS
GPRS1900	512	VN	NT	1.23	0.000665	±2.5	PASS
GPRS1900	512	VL	NT	14.66	0.007923	±2.5	PASS
GPRS1900	512	VH	NT	21.41	0.011572	±2.5	PASS
GPRS1900	661	VN	NT	11.46	0.006096	±2.5	PASS
GPRS1900	661	VL	NT	21.31	0.011335	±2.5	PASS
GPRS1900	661	VH	NT	22.05	0.011729	±2.5	PASS
GPRS1900	810	VN	NT	21.83	0.011431	±2.5	PASS
GPRS1900	810	VL	NT	21.60	0.011310	±2.5	PASS
GPRS1900	810	VH	NT	21.79	0.011410	±2.5	PASS
EGPRS1900	512	VN	NT	-2.29	-0.001238	±2.5	PASS
EGPRS1900	512	VL	NT	5.55	0.003000	±2.5	PASS
EGPRS1900	512	VH	NT	13.95	0.007540	±2.5	PASS
EGPRS1900	661	VN	NT	3.45	0.001835	±2.5	PASS
EGPRS1900	661	VL	NT	4.65	0.002473	±2.5	PASS
EGPRS1900	661	VH	NT	19.24	0.010234	±2.5	PASS
EGPRS1900	810	VN	NT	5.36	0.002807	±2.5	PASS
EGPRS1900	810	VL	NT	14.66	0.007676	±2.5	PASS
EGPRS1900	810	VH	NT	15.56	0.008147	±2.5	PASS

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Temperature							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM1900	512	NV	-30	17.37	0.009388	±2.5	PASS
GSM1900	512	NV	-20	8.20	0.004432	±2.5	PASS
GSM1900	512	NV	-10	19.69	0.010642	±2.5	PASS
GSM1900	512	NV	0	23.50	0.012701	±2.5	PASS
GSM1900	512	NV	10	17.31	0.009356	±2.5	PASS
GSM1900	512	NV	20	10.40	0.005621	±2.5	PASS
GSM1900	512	NV	30	9.91	0.005356	±2.5	PASS
GSM1900	512	NV	40	17.37	0.009388	±2.5	PASS
GSM1900	512	NV	50	5.49	0.002967	±2.5	PASS
GSM1900	661	NV	-30	7.52	0.004000	±2.5	PASS
GSM1900	661	NV	-20	18.02	0.009585	±2.5	PASS
GSM1900	661	NV	-10	6.42	0.003415	±2.5	PASS
GSM1900	661	NV	0	5.29	0.002814	±2.5	PASS
GSM1900	661	NV	10	8.30	0.004415	±2.5	PASS
GSM1900	661	NV	20	3.71	0.001973	±2.5	PASS
GSM1900	661	NV	30	5.68	0.003021	±2.5	PASS
GSM1900	661	NV	40	11.07	0.005888	±2.5	PASS
GSM1900	661	NV	50	16.76	0.008915	±2.5	PASS
GSM1900	810	NV	-30	6.91	0.003618	±2.5	PASS
GSM1900	810	NV	-20	24.54	0.012850	±2.5	PASS
GSM1900	810	NV	-10	10.20	0.005341	±2.5	PASS
GSM1900	810	NV	0	11.66	0.006105	±2.5	PASS
GSM1900	810	NV	10	3.91	0.002047	±2.5	PASS
GSM1900	810	NV	20	7.49	0.003922	±2.5	PASS
GSM1900	810	NV	30	7.23	0.003786	±2.5	PASS
GSM1900	810	NV	40	6.59	0.003451	±2.5	PASS
GSM1900	810	NV	50	9.52	0.004985	±2.5	PASS
GPRS1900	512	NV	-30	20.57	0.011118	±2.5	PASS
GPRS1900	512	NV	-20	24.38	0.013177	±2.5	PASS
GPRS1900	512	NV	-10	18.56	0.010031	±2.5	PASS
GPRS1900	512	NV	0	17.85	0.009648	±2.5	PASS
GPRS1900	512	NV	10	16.34	0.008831	±2.5	PASS
GPRS1900	512	NV	20	11.17	0.006037	±2.5	PASS
GPRS1900	512	NV	30	17.34	0.009372	±2.5	PASS
GPRS1900	512	NV	40	18.08	0.009772	±2.5	PASS
GPRS1900	512	NV	50	9.69	0.005237	±2.5	PASS

GPRS1900	661	NV	-30	24.89	0.013239	±2.5	PASS
GPRS1900	661	NV	-20	18.89	0.010048	±2.5	PASS
GPRS1900	661	NV	-10	18.24	0.009702	±2.5	PASS
GPRS1900	661	NV	0	14.43	0.007676	±2.5	PASS
GPRS1900	661	NV	10	12.56	0.006681	±2.5	PASS
GPRS1900	661	NV	20	5.65	0.003005	±2.5	PASS
GPRS1900	661	NV	30	13.43	0.007144	±2.5	PASS
GPRS1900	661	NV	40	22.50	0.011968	±2.5	PASS
GPRS1900	661	NV	50	19.18	0.010202	±2.5	PASS
GPRS1900	810	NV	-30	19.24	0.010074	±2.5	PASS
GPRS1900	810	NV	-20	23.12	0.012106	±2.5	PASS
GPRS1900	810	NV	-10	24.86	0.013017	±2.5	PASS
GPRS1900	810	NV	0	6.91	0.003618	±2.5	PASS
GPRS1900	810	NV	10	6.72	0.003519	±2.5	PASS
GPRS1900	810	NV	20	10.75	0.005629	±2.5	PASS
GPRS1900	810	NV	30	22.79	0.011933	±2.5	PASS
GPRS1900	810	NV	40	17.21	0.009011	±2.5	PASS
GPRS1900	810	NV	50	25.93	0.013577	±2.5	PASS
EGPRS1900	512	NV	-30	-1.71	-0.000924	±2.5	PASS
EGPRS1900	512	NV	-20	7.14	0.003859	±2.5	PASS
EGPRS1900	512	NV	-10	3.03	0.001638	±2.5	PASS
EGPRS1900	512	NV	0	3.97	0.002146	±2.5	PASS
EGPRS1900	512	NV	10	11.75	0.006351	±2.5	PASS
EGPRS1900	512	NV	20	10.82	0.005848	±2.5	PASS
EGPRS1900	512	NV	30	6.04	0.003265	±2.5	PASS
EGPRS1900	512	NV	40	-0.42	-0.000227	±2.5	PASS
EGPRS1900	512	NV	50	1.13	0.000611	±2.5	PASS
EGPRS1900	661	NV	-30	3.16	0.001681	±2.5	PASS
EGPRS1900	661	NV	-20	3.20	0.001702	±2.5	PASS
EGPRS1900	661	NV	-10	-3.78	-0.002011	±2.5	PASS

EGPRS190 0	661	NV	0	-5.13	-0.002729	±2.5	PASS
EGPRS190 0	661	NV	10	2.03	0.001080	±2.5	PASS
EGPRS190 0	661	NV	20	0.48	0.000255	±2.5	PASS
EGPRS190 0	661	NV	30	11.33	0.006027	±2.5	PASS
EGPRS190 0	661	NV	40	-6.39	-0.003399	±2.5	PASS
EGPRS190 0	661	NV	50	-3.94	-0.002096	±2.5	PASS
EGPRS190 0	810	NV	-30	-3.39	-0.001775	±2.5	PASS
EGPRS190 0	810	NV	-20	5.75	0.003011	±2.5	PASS
EGPRS190 0	810	NV	-10	9.30	0.004870	±2.5	PASS
EGPRS190 0	810	NV	0	0.68	0.000356	±2.5	PASS
EGPRS190 0	810	NV	10	5.42	0.002838	±2.5	PASS
EGPRS190 0	810	NV	20	3.68	0.001927	±2.5	PASS
EGPRS190 0	810	NV	30	8.98	0.004702	±2.5	PASS
EGPRS190 0	810	NV	40	1.00	0.000524	±2.5	PASS
EGPRS190 0	810	NV	50	-10.01	-0.005241	±2.5	PASS

Appendix G: Modulation Characteristics

Test Result

Band	Channel	Result	Verdict
GSM1900	512	PASS	PASS
GSM1900	661	PASS	PASS
GSM1900	810	PASS	PASS
GPRS1900	512	PASS	PASS
GPRS1900	661	PASS	PASS
GPRS1900	810	PASS	PASS
EGPRS1900	512	PASS	PASS
EGPRS1900	661	PASS	PASS
EGPRS1900	810	PASS	PASS