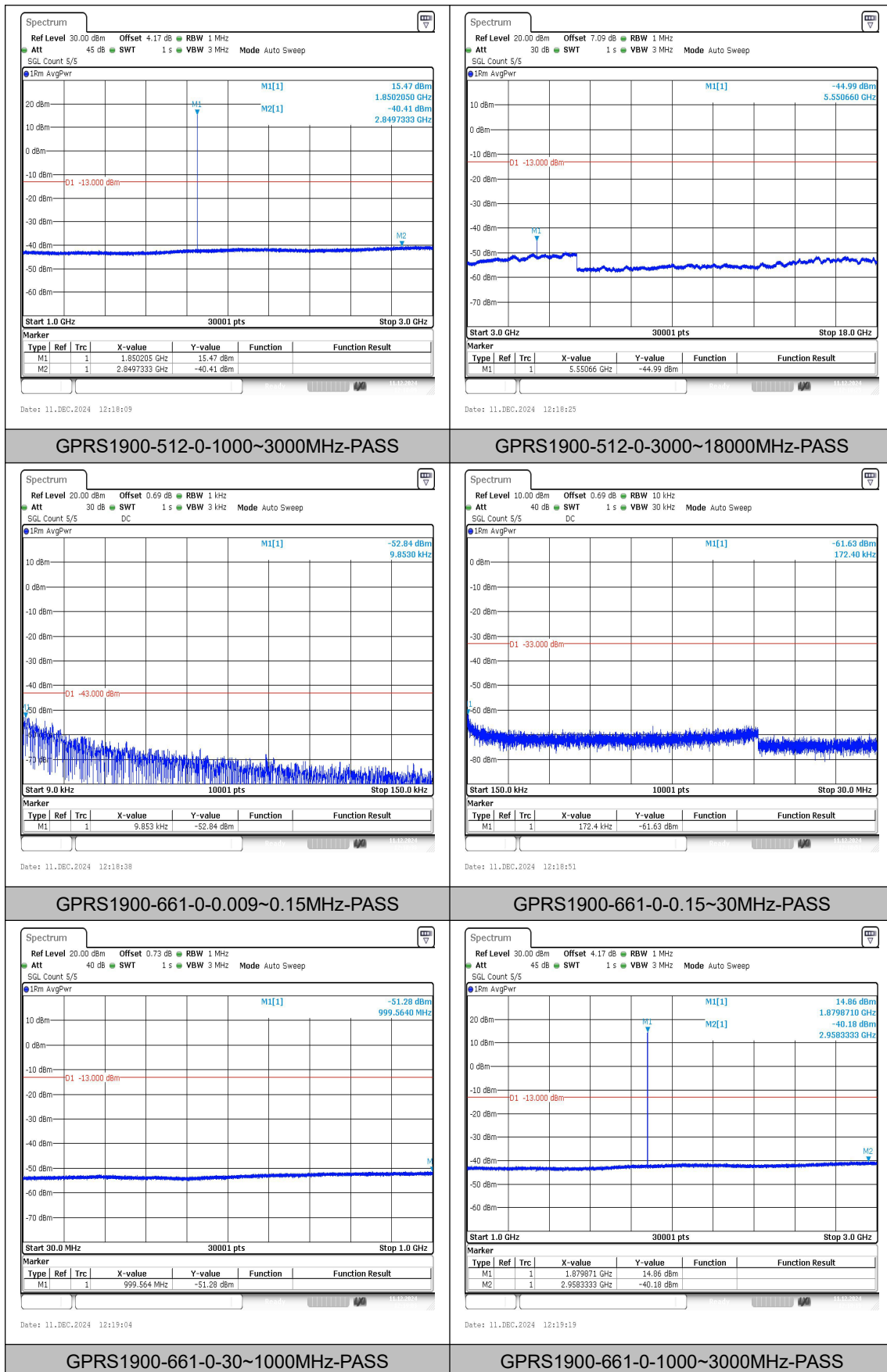
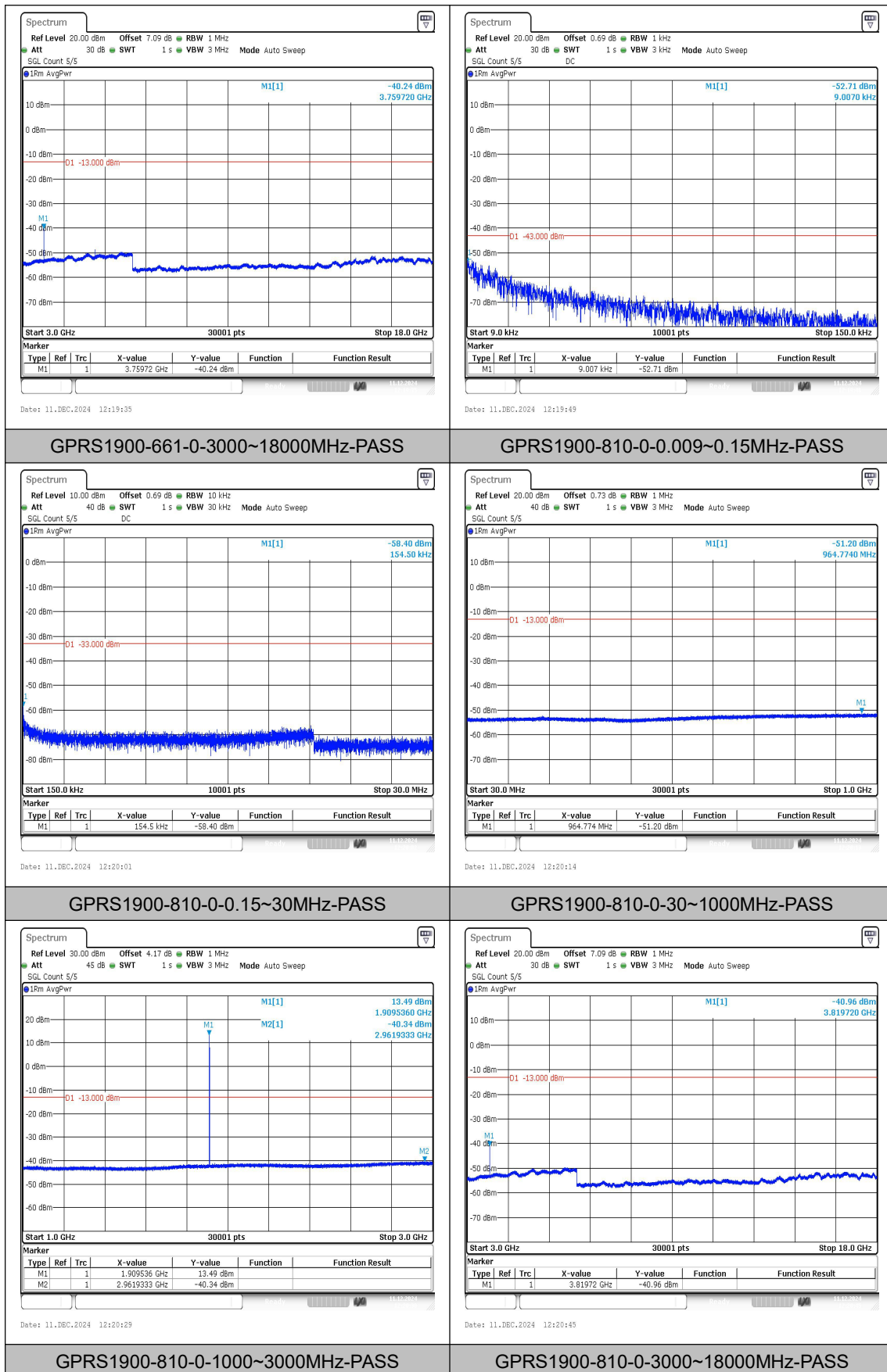
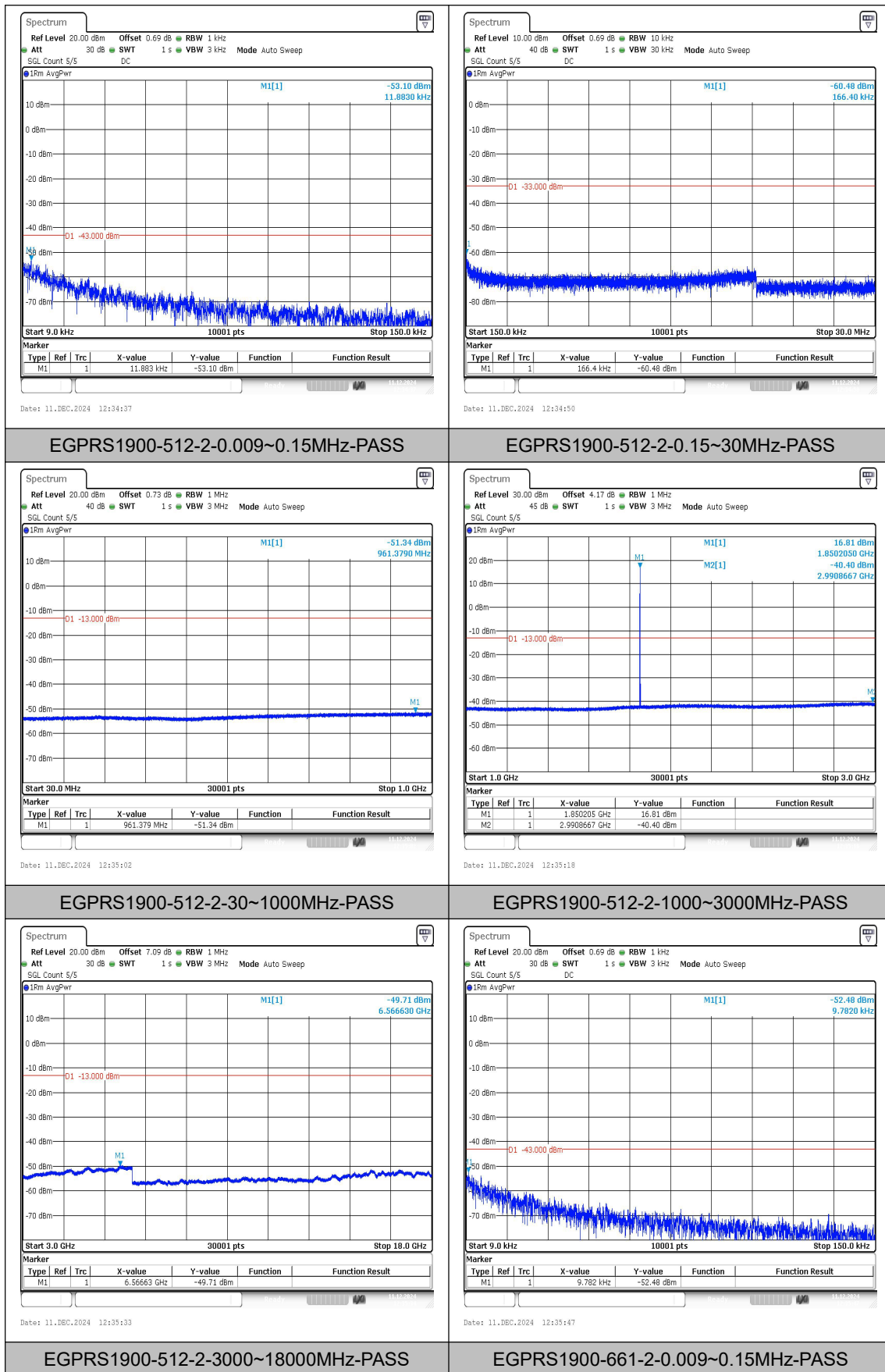
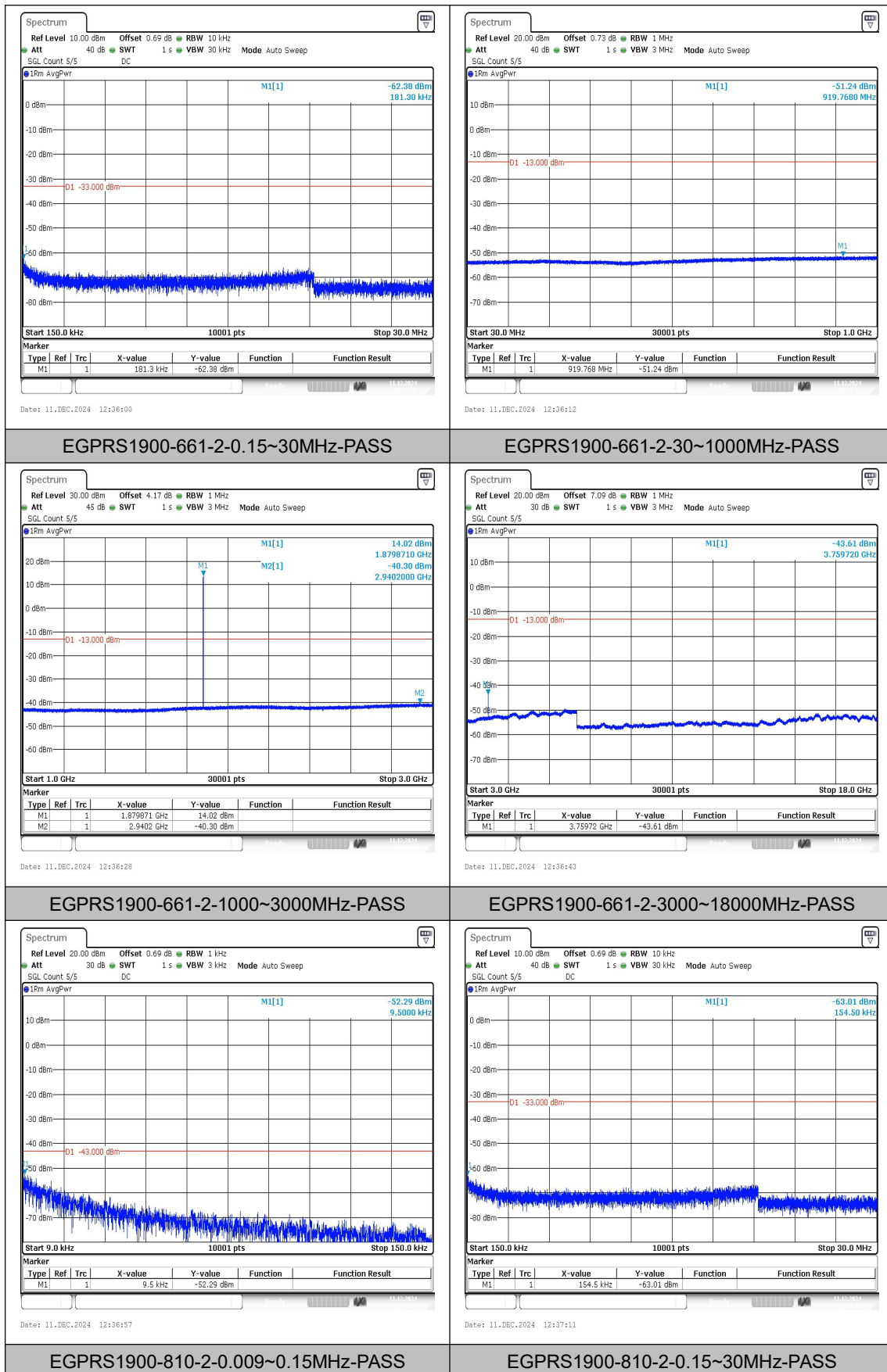
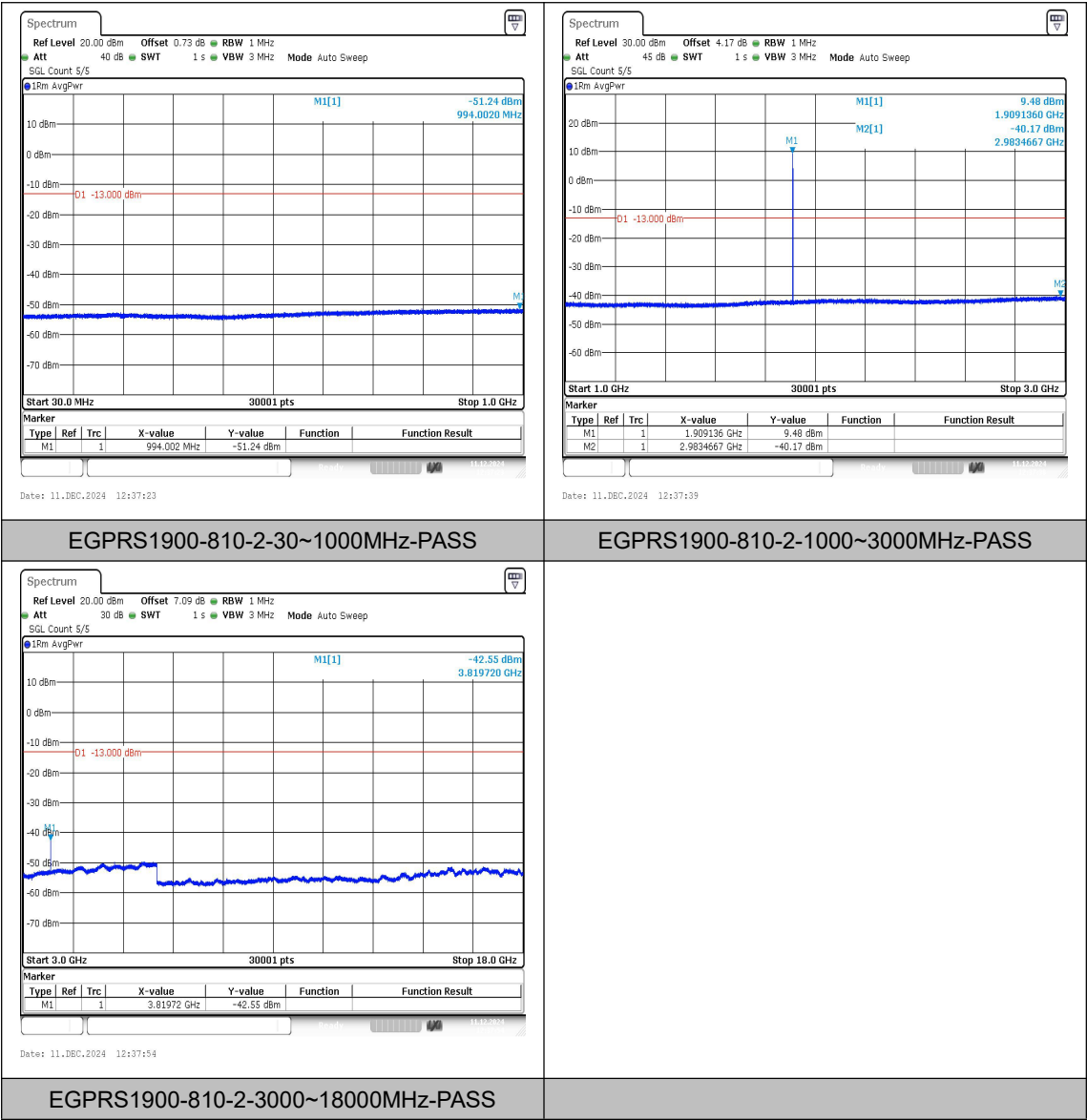












Appendix F: Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM1900	512	VN	NT	15.08	0.008150	±2.5	PASS
GSM1900	512	VL	NT	19.31	0.010437	±2.5	PASS
GSM1900	512	VH	NT	17.98	0.009718	±2.5	PASS
GSM1900	661	VN	NT	21.28	0.011319	±2.5	PASS
GSM1900	661	VL	NT	25.15	0.013378	±2.5	PASS
GSM1900	661	VH	NT	18.18	0.009670	±2.5	PASS
GSM1900	810	VN	NT	15.34	0.008032	±2.5	PASS
GSM1900	810	VL	NT	17.05	0.008928	±2.5	PASS
GSM1900	810	VH	NT	17.60	0.009216	±2.5	PASS
GPRS1900	512	VN	NT	13.04	0.007048	±2.5	PASS
GPRS1900	512	VL	NT	10.07	0.005443	±2.5	PASS
GPRS1900	512	VH	NT	13.50	0.007297	±2.5	PASS
GPRS1900	661	VN	NT	19.31	0.010271	±2.5	PASS
GPRS1900	661	VL	NT	13.24	0.007043	±2.5	PASS
GPRS1900	661	VH	NT	17.69	0.009410	±2.5	PASS
GPRS1900	810	VN	NT	14.01	0.007336	±2.5	PASS
GPRS1900	810	VL	NT	15.24	0.007980	±2.5	PASS
GPRS1900	810	VH	NT	13.62	0.007132	±2.5	PASS
EGPRS1900	512	VN	NT	-2.91	-0.001573	±2.5	PASS
EGPRS1900	512	VL	NT	-0.32	-0.000173	±2.5	PASS
EGPRS1900	512	VH	NT	-0.84	-0.000454	±2.5	PASS
EGPRS1900	661	VN	NT	4.29	0.002282	±2.5	PASS
EGPRS1900	661	VL	NT	-3.33	-0.001771	±2.5	PASS
EGPRS1900	661	VH	NT	7.33	0.003899	±2.5	PASS
EGPRS1900	810	VN	NT	-2.13	-0.001115	±2.5	PASS
EGPRS1900	810	VL	NT	-1.42	-0.000744	±2.5	PASS
EGPRS1900	810	VH	NT	-0.97	-0.000508	±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	11.95	0.006459	±2.5	PASS
GSM1900	512	NV	-20	11.91	0.006437	±2.5	PASS
GSM1900	512	NV	-10	15.72	0.008496	±2.5	PASS
GSM1900	512	NV	0	13.01	0.007032	±2.5	PASS
GSM1900	512	NV	10	24.15	0.013053	±2.5	PASS
GSM1900	512	NV	20	15.17	0.008199	±2.5	PASS
GSM1900	512	NV	30	8.88	0.004799	±2.5	PASS
GSM1900	512	NV	40	22.21	0.012004	±2.5	PASS
GSM1900	512	NV	50	14.69	0.007940	±2.5	PASS
GSM1900	661	NV	-30	20.92	0.011128	±2.5	PASS
GSM1900	661	NV	-20	19.15	0.010186	±2.5	PASS
GSM1900	661	NV	-10	24.76	0.013170	±2.5	PASS
GSM1900	661	NV	0	16.37	0.008707	±2.5	PASS
GSM1900	661	NV	10	23.63	0.012569	±2.5	PASS
GSM1900	661	NV	20	22.34	0.011883	±2.5	PASS
GSM1900	661	NV	30	26.54	0.014117	±2.5	PASS
GSM1900	661	NV	40	21.70	0.011543	±2.5	PASS
GSM1900	661	NV	50	24.54	0.013053	±2.5	PASS
GSM1900	810	NV	-30	17.05	0.008928	±2.5	PASS
GSM1900	810	NV	-20	18.44	0.009655	±2.5	PASS
GSM1900	810	NV	-10	19.79	0.010362	±2.5	PASS
GSM1900	810	NV	0	16.21	0.008488	±2.5	PASS
GSM1900	810	NV	10	23.31	0.012205	±2.5	PASS
GSM1900	810	NV	20	21.28	0.011143	±2.5	PASS
GSM1900	810	NV	30	8.68	0.004545	±2.5	PASS
GSM1900	810	NV	40	18.18	0.009519	±2.5	PASS
GSM1900	810	NV	50	12.11	0.006341	±2.5	PASS
GPRS1900	512	NV	-30	12.46	0.006734	±2.5	PASS
GPRS1900	512	NV	-20	18.79	0.010156	±2.5	PASS
GPRS1900	512	NV	-10	23.92	0.012928	±2.5	PASS
GPRS1900	512	NV	0	16.79	0.009075	±2.5	PASS
GPRS1900	512	NV	10	22.83	0.012339	±2.5	PASS
GPRS1900	512	NV	20	23.02	0.012442	±2.5	PASS
GPRS1900	512	NV	30	22.31	0.012058	±2.5	PASS
GPRS1900	512	NV	40	18.44	0.009966	±2.5	PASS
GPRS1900	512	NV	50	20.66	0.011166	±2.5	PASS

GPRS1900	661	NV	-30	16.47	0.008761	±2.5	PASS
GPRS1900	661	NV	-20	13.11	0.006973	±2.5	PASS
GPRS1900	661	NV	-10	20.73	0.011027	±2.5	PASS
GPRS1900	661	NV	0	22.12	0.011766	±2.5	PASS
GPRS1900	661	NV	10	19.66	0.010457	±2.5	PASS
GPRS1900	661	NV	20	24.83	0.013207	±2.5	PASS
GPRS1900	661	NV	30	20.44	0.010872	±2.5	PASS
GPRS1900	661	NV	40	20.24	0.010766	±2.5	PASS
GPRS1900	661	NV	50	24.70	0.013138	±2.5	PASS
GPRS1900	810	NV	-30	14.17	0.007420	±2.5	PASS
GPRS1900	810	NV	-20	16.79	0.008791	±2.5	PASS
GPRS1900	810	NV	-10	25.73	0.013473	±2.5	PASS
GPRS1900	810	NV	0	20.60	0.010786	±2.5	PASS
GPRS1900	810	NV	10	22.37	0.011713	±2.5	PASS
GPRS1900	810	NV	20	21.70	0.011362	±2.5	PASS
GPRS1900	810	NV	30	15.69	0.008216	±2.5	PASS
GPRS1900	810	NV	40	15.34	0.008032	±2.5	PASS
GPRS1900	810	NV	50	14.30	0.007488	±2.5	PASS
EGPRS1900	512	NV	-30	-2.23	-0.001205	±2.5	PASS
EGPRS1900	512	NV	-20	3.94	0.002129	±2.5	PASS
EGPRS1900	512	NV	-10	10.07	0.005443	±2.5	PASS
EGPRS1900	512	NV	0	5.65	0.003054	±2.5	PASS
EGPRS1900	512	NV	10	6.59	0.003562	±2.5	PASS
EGPRS1900	512	NV	20	12.11	0.006545	±2.5	PASS
EGPRS1900	512	NV	30	12.30	0.006648	±2.5	PASS
EGPRS1900	512	NV	40	8.68	0.004691	±2.5	PASS
EGPRS1900	512	NV	50	-4.39	-0.002373	±2.5	PASS
EGPRS1900	661	NV	-30	1.55	0.000824	±2.5	PASS
EGPRS1900	661	NV	-20	0.61	0.000324	±2.5	PASS
EGPRS1900	661	NV	-10	8.98	0.004777	±2.5	PASS

EGPRS190 0	661	NV	0	8.81	0.004686	±2.5	PASS
EGPRS190 0	661	NV	10	10.49	0.005580	±2.5	PASS
EGPRS190 0	661	NV	20	5.62	0.002989	±2.5	PASS
EGPRS190 0	661	NV	30	3.29	0.001750	±2.5	PASS
EGPRS190 0	661	NV	40	4.26	0.002266	±2.5	PASS
EGPRS190 0	661	NV	50	10.30	0.005479	±2.5	PASS
EGPRS190 0	810	NV	-30	4.00	0.002094	±2.5	PASS
EGPRS190 0	810	NV	-20	3.65	0.001911	±2.5	PASS
EGPRS190 0	810	NV	-10	11.20	0.005864	±2.5	PASS
EGPRS190 0	810	NV	0	7.14	0.003739	±2.5	PASS
EGPRS190 0	810	NV	10	6.81	0.003566	±2.5	PASS
EGPRS190 0	810	NV	20	2.42	0.001267	±2.5	PASS
EGPRS190 0	810	NV	30	10.20	0.005341	±2.5	PASS
EGPRS190 0	810	NV	40	3.45	0.001806	±2.5	PASS
EGPRS190 0	810	NV	50	9.91	0.005189	±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