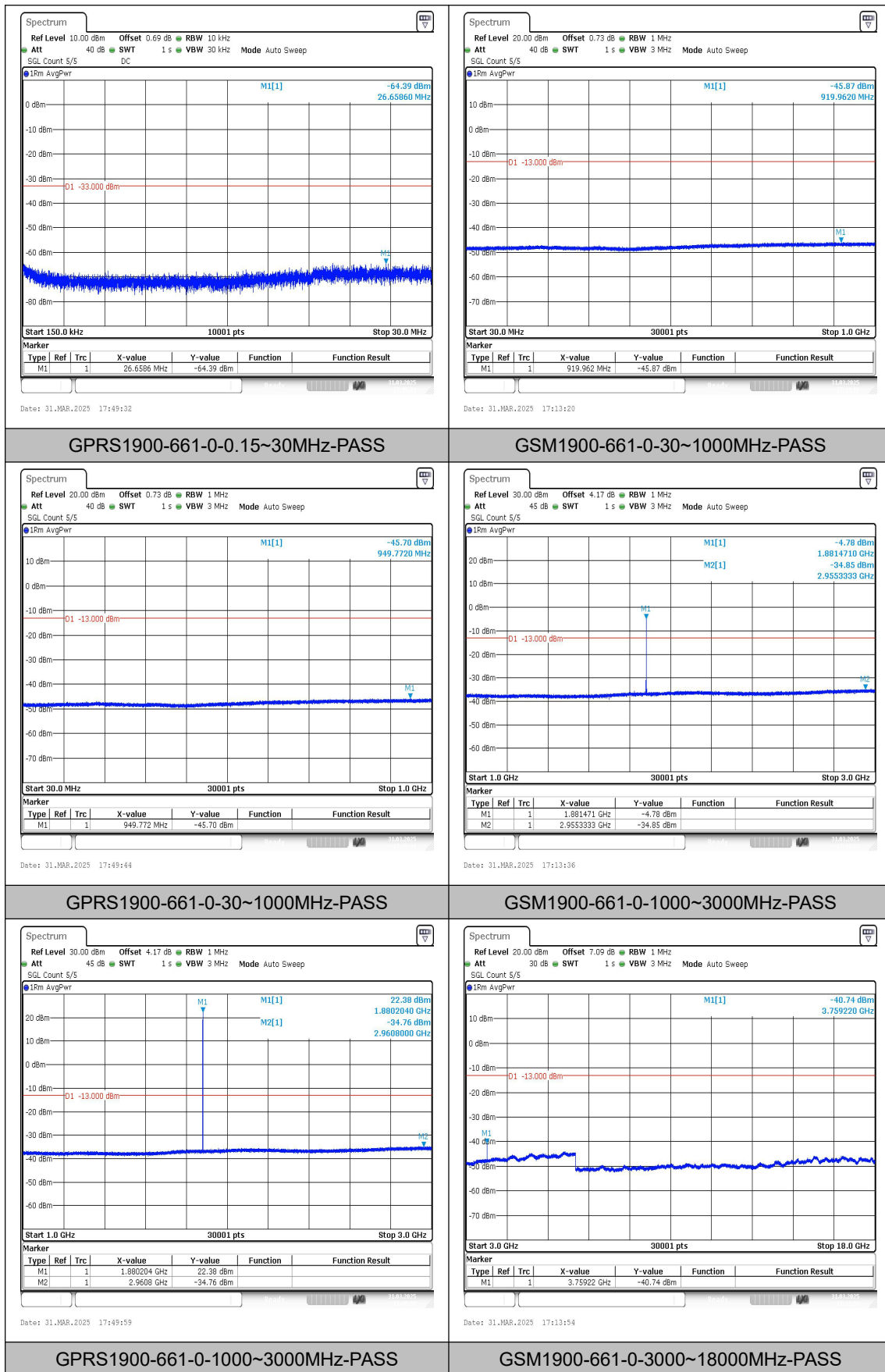
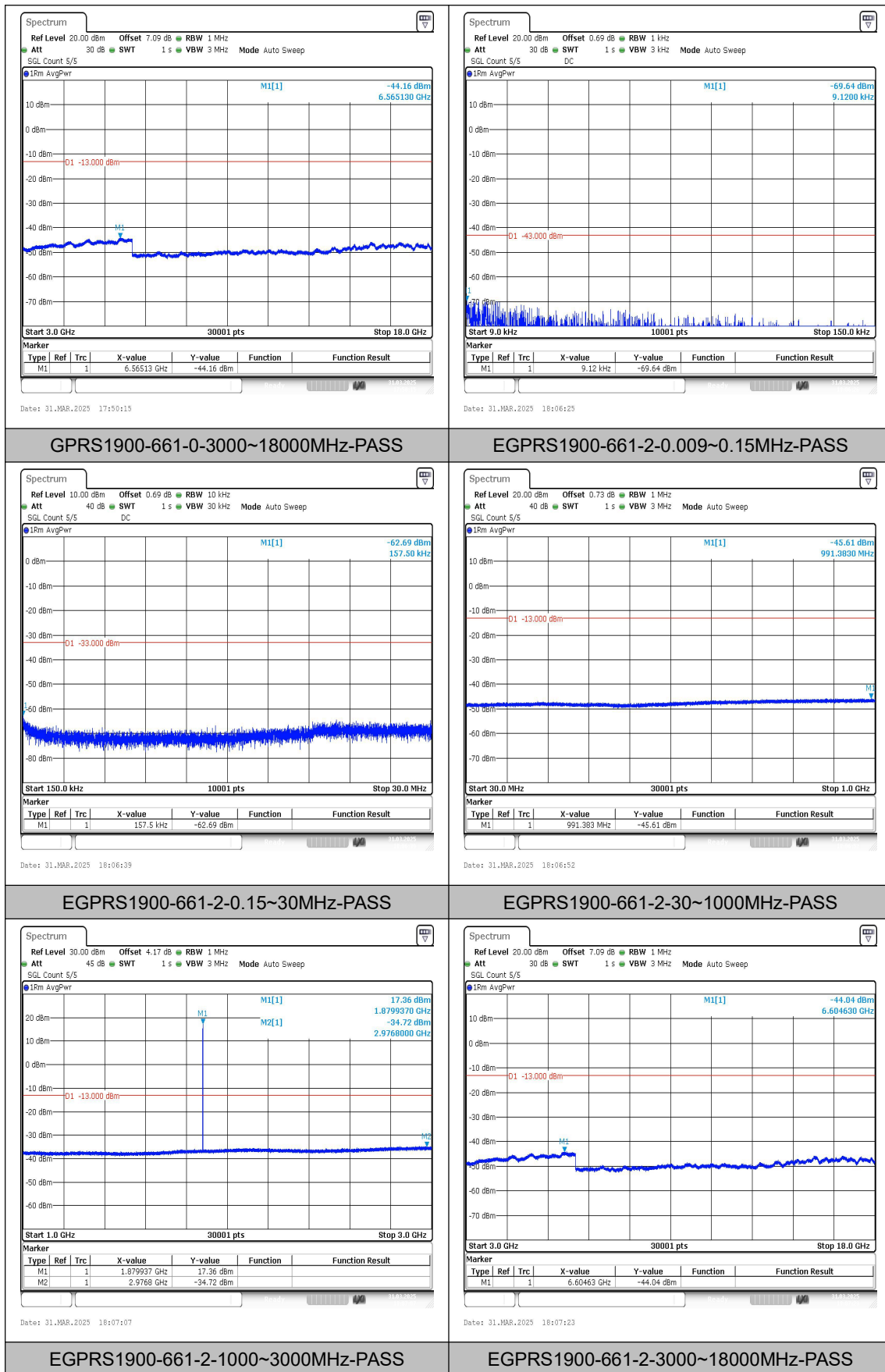
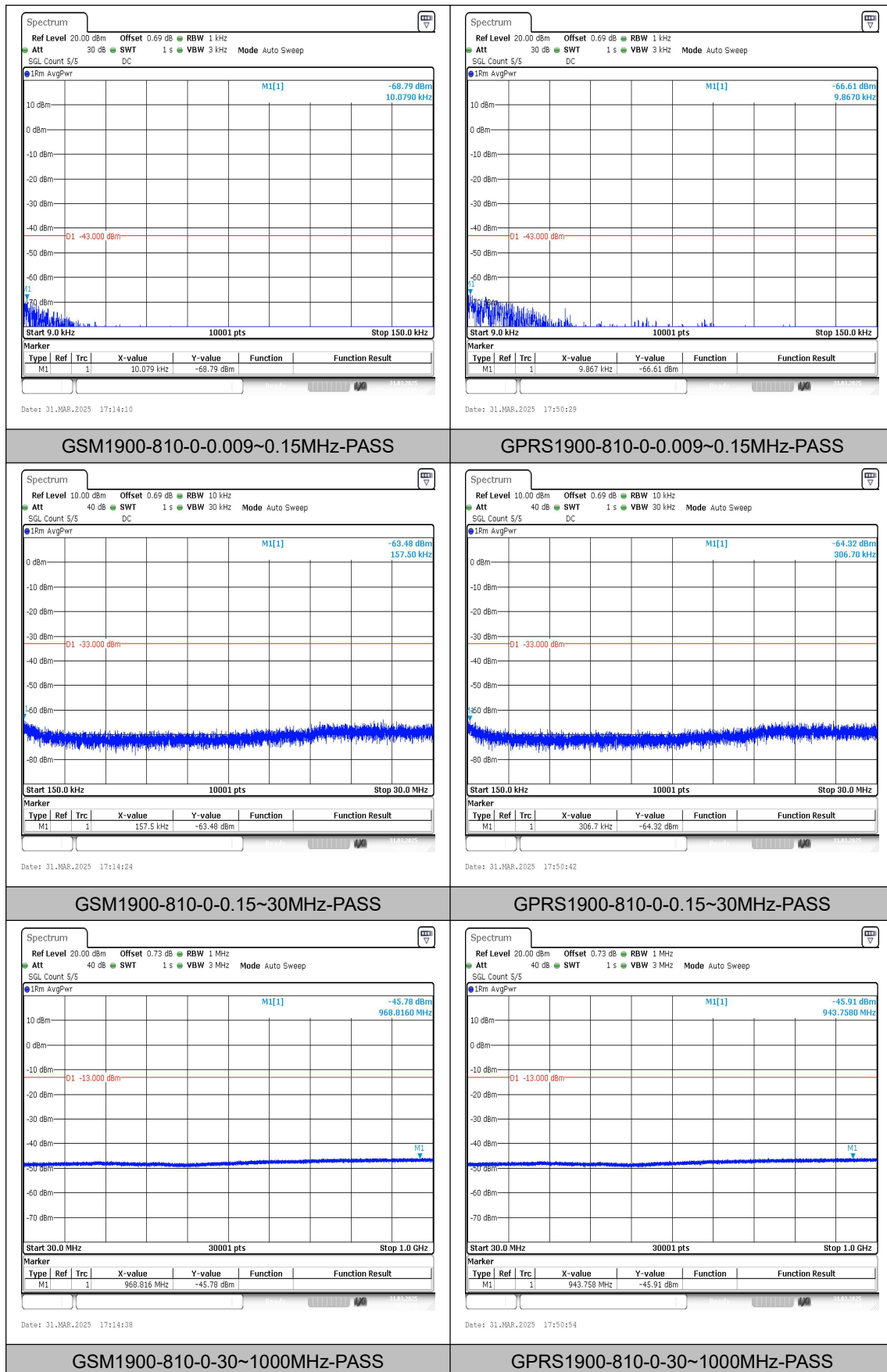
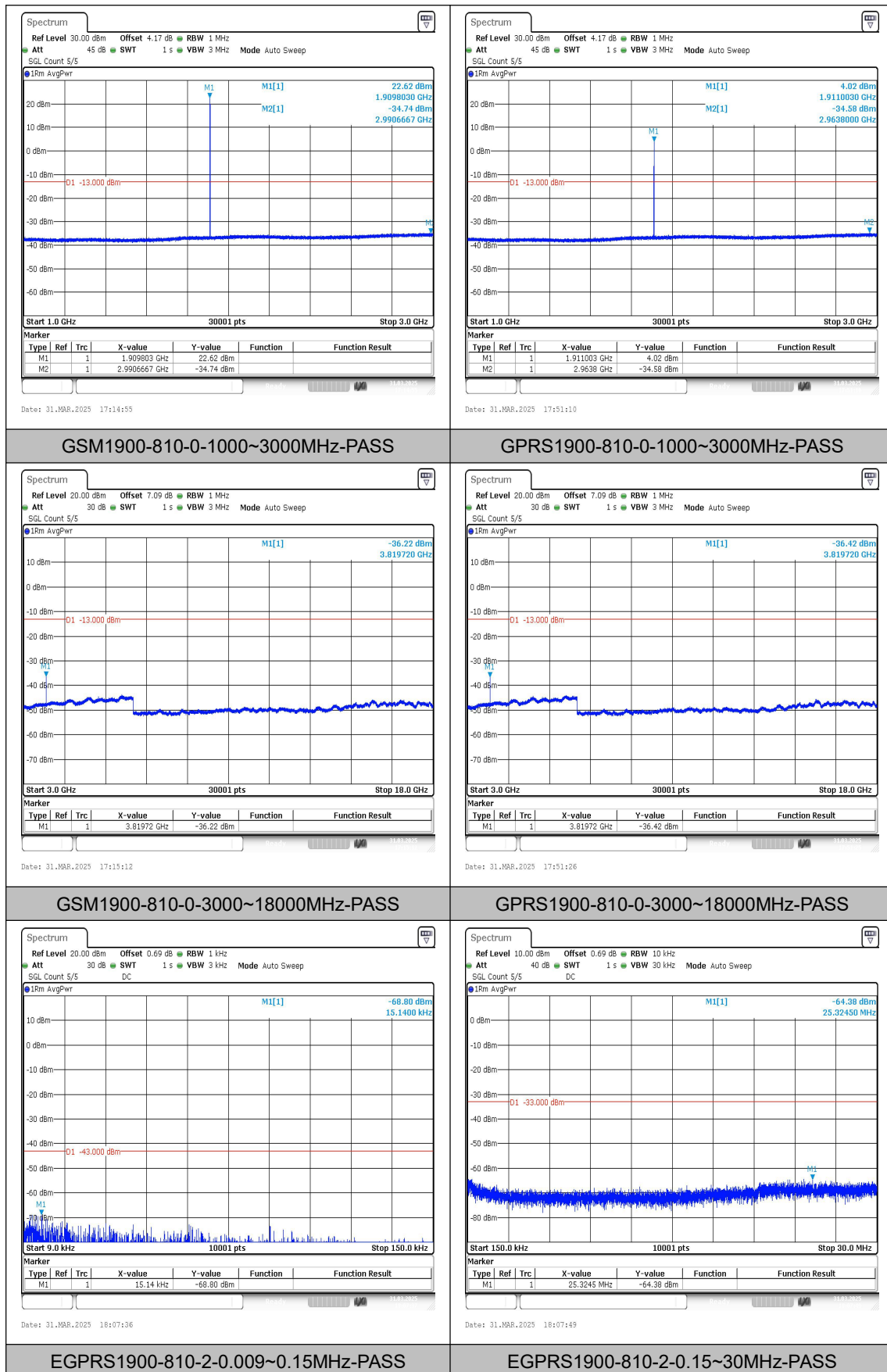
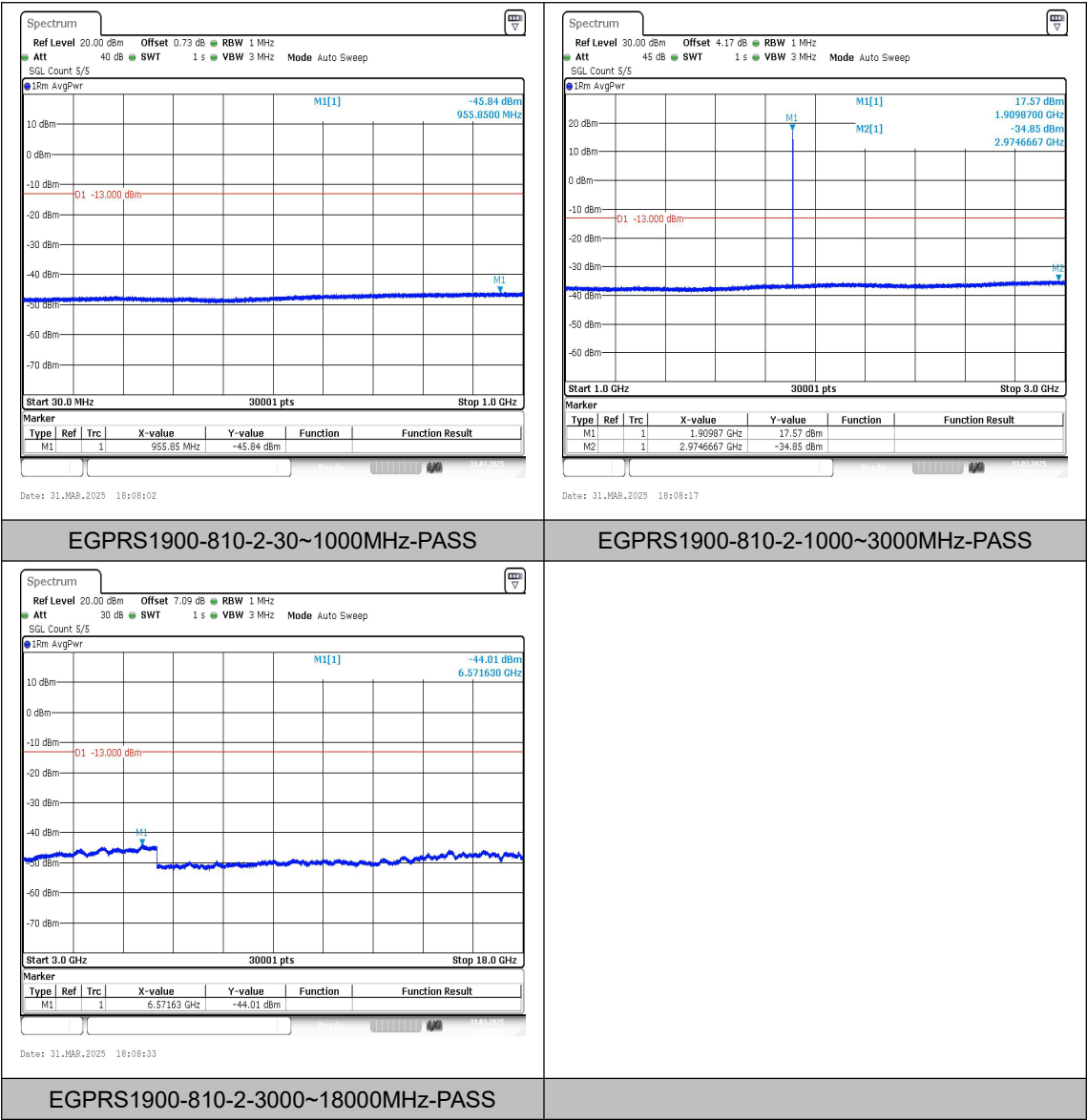












Appendix F: Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM1900	512	VN	NT	5.71	0.003086	±2.5	PASS
GSM1900	512	VL	NT	14.72	0.007956	±2.5	PASS
GSM1900	512	VH	NT	18.69	0.010102	±2.5	PASS
GPRS1900	512	VN	NT	20.11	0.010869	±2.5	PASS
GPRS1900	512	VL	NT	24.21	0.013085	±2.5	PASS
GPRS1900	512	VH	NT	12.56	0.006788	±2.5	PASS
EGPRS1900	512	VN	NT	6.81	0.003681	±2.5	PASS
EGPRS1900	512	VL	NT	19.76	0.010680	±2.5	PASS
EGPRS1900	512	VH	NT	17.05	0.009215	±2.5	PASS
GSM1900	661	VN	NT	20.28	0.010787	±2.5	PASS
GSM1900	661	VL	NT	10.75	0.005718	±2.5	PASS
GSM1900	661	VH	NT	22.41	0.011920	±2.5	PASS
GPRS1900	661	VN	NT	16.59	0.008824	±2.5	PASS
GPRS1900	661	VL	NT	16.85	0.008963	±2.5	PASS
GPRS1900	661	VH	NT	27.54	0.014649	±2.5	PASS
EGPRS1900	661	VN	NT	28.64	0.015234	±2.5	PASS
EGPRS1900	661	VL	NT	8.39	0.004463	±2.5	PASS
EGPRS1900	661	VH	NT	9.01	0.004793	±2.5	PASS
GSM1900	810	VN	NT	18.37	0.009619	±2.5	PASS
GSM1900	810	VL	NT	25.28	0.013237	±2.5	PASS
GSM1900	810	VH	NT	17.05	0.008928	±2.5	PASS
GPRS1900	810	VN	NT	19.76	0.010347	±2.5	PASS
GPRS1900	810	VL	NT	14.69	0.007692	±2.5	PASS
GPRS1900	810	VH	NT	8.10	0.004241	±2.5	PASS
EGPRS1900	810	VN	NT	14.04	0.007352	±2.5	PASS
EGPRS1900	810	VL	NT	17.05	0.008928	±2.5	PASS
EGPRS1900	810	VH	NT	17.95	0.009399	±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	20.28	0.010961	±2.5	PASS
GSM1900	512	NV	-20	4.07	0.002200	±2.5	PASS
GSM1900	512	NV	-10	5.23	0.002827	±2.5	PASS
GSM1900	512	NV	0	2.45	0.001324	±2.5	PASS
GSM1900	512	NV	10	9.10	0.004918	±2.5	PASS
GSM1900	512	NV	20	26.41	0.014274	±2.5	PASS
GSM1900	512	NV	30	18.50	0.009999	±2.5	PASS
GSM1900	512	NV	40	27.64	0.014939	±2.5	PASS
GSM1900	512	NV	50	15.40	0.008323	±2.5	PASS
GPRS1900	512	NV	-30	10.04	0.005426	±2.5	PASS
GPRS1900	512	NV	-20	19.69	0.010642	±2.5	PASS
GPRS1900	512	NV	-10	11.43	0.006178	±2.5	PASS
GPRS1900	512	NV	0	23.21	0.012545	±2.5	PASS
GPRS1900	512	NV	10	9.78	0.005286	±2.5	PASS
GPRS1900	512	NV	20	9.04	0.004886	±2.5	PASS
GPRS1900	512	NV	30	16.82	0.009091	±2.5	PASS
GPRS1900	512	NV	40	19.50	0.010539	±2.5	PASS
GPRS1900	512	NV	50	24.41	0.013193	±2.5	PASS
EGPRS1900	512	NV	-30	17.43	0.009421	±2.5	PASS
EGPRS1900	512	NV	-20	20.24	0.010939	±2.5	PASS
EGPRS1900	512	NV	-10	16.21	0.008761	±2.5	PASS
EGPRS1900	512	NV	0	15.85	0.008567	±2.5	PASS
EGPRS1900	512	NV	10	15.95	0.008621	±2.5	PASS
EGPRS1900	512	NV	20	22.73	0.012285	±2.5	PASS
EGPRS1900	512	NV	30	16.92	0.009145	±2.5	PASS
EGPRS1900	512	NV	40	17.18	0.009285	±2.5	PASS
EGPRS1900	512	NV	50	22.99	0.012426	±2.5	PASS

GSM1900	661	NV	-30	16.01	0.008516	±2.5	PASS
GSM1900	661	NV	-20	20.08	0.010681	±2.5	PASS
GSM1900	661	NV	-10	7.07	0.003761	±2.5	PASS
GSM1900	661	NV	0	14.21	0.007559	±2.5	PASS
GSM1900	661	NV	10	20.57	0.010941	±2.5	PASS
GSM1900	661	NV	20	6.65	0.003537	±2.5	PASS
GSM1900	661	NV	30	12.79	0.006803	±2.5	PASS
GSM1900	661	NV	40	11.78	0.006266	±2.5	PASS
GSM1900	661	NV	50	11.95	0.006356	±2.5	PASS
GPRS1900	661	NV	-30	24.57	0.013069	±2.5	PASS
GPRS1900	661	NV	-20	16.92	0.009000	±2.5	PASS
GPRS1900	661	NV	-10	25.18	0.013394	±2.5	PASS
GPRS1900	661	NV	0	28.12	0.014957	±2.5	PASS
GPRS1900	661	NV	10	19.47	0.010356	±2.5	PASS
GPRS1900	661	NV	20	15.01	0.007984	±2.5	PASS
GPRS1900	661	NV	30	17.63	0.009378	±2.5	PASS
GPRS1900	661	NV	40	16.85	0.008963	±2.5	PASS
GPRS1900	661	NV	50	5.68	0.003021	±2.5	PASS
EGPRS1900	661	NV	-30	14.27	0.007590	±2.5	PASS
EGPRS1900	661	NV	-20	20.31	0.010803	±2.5	PASS
EGPRS1900	661	NV	-10	18.85	0.010027	±2.5	PASS
EGPRS1900	661	NV	0	14.24	0.007574	±2.5	PASS
EGPRS1900	661	NV	10	14.85	0.007899	±2.5	PASS
EGPRS1900	661	NV	20	16.24	0.008638	±2.5	PASS
EGPRS1900	661	NV	30	15.63	0.008314	±2.5	PASS
EGPRS1900	661	NV	40	17.24	0.009170	±2.5	PASS
EGPRS1900	661	NV	50	16.66	0.008862	±2.5	PASS
GSM1900	810	NV	-30	9.72	0.005090	±2.5	PASS
GSM1900	810	NV	-20	7.49	0.003922	±2.5	PASS
GSM1900	810	NV	-10	19.15	0.010027	±2.5	PASS
GSM1900	810	NV	0	25.22	0.013206	±2.5	PASS
GSM1900	810	NV	10	13.75	0.007200	±2.5	PASS

GSM1900	810	NV	20	20.66	0.010818	±2.5	PASS
GSM1900	810	NV	30	13.95	0.007304	±2.5	PASS
GSM1900	810	NV	40	21.34	0.011174	±2.5	PASS
GSM1900	810	NV	50	18.89	0.009891	±2.5	PASS
GPRS1900	810	NV	-30	12.27	0.006425	±2.5	PASS
GPRS1900	810	NV	-20	11.36	0.005948	±2.5	PASS
GPRS1900	810	NV	-10	13.14	0.006880	±2.5	PASS
GPRS1900	810	NV	0	14.72	0.007708	±2.5	PASS
GPRS1900	810	NV	10	15.95	0.008352	±2.5	PASS
GPRS1900	810	NV	20	11.04	0.005781	±2.5	PASS
GPRS1900	810	NV	30	9.04	0.004733	±2.5	PASS
GPRS1900	810	NV	40	13.37	0.007001	±2.5	PASS
GPRS1900	810	NV	50	31.80	0.016651	±2.5	PASS
EGPRS1900	810	NV	-30	13.66	0.007153	±2.5	PASS
EGPRS1900	810	NV	-20	8.56	0.004482	±2.5	PASS
EGPRS1900	810	NV	-10	3.84	0.002011	±2.5	PASS
EGPRS1900	810	NV	0	17.37	0.009095	±2.5	PASS
EGPRS1900	810	NV	10	16.98	0.008891	±2.5	PASS
EGPRS1900	810	NV	20	18.14	0.009498	±2.5	PASS
EGPRS1900	810	NV	30	27.15	0.014216	±2.5	PASS
EGPRS1900	810	NV	40	18.85	0.009870	±2.5	PASS
EGPRS1900	810	NV	50	25.28	0.013237	±2.5	PASS

Appendix G: Modulation Characteristics

Test Result

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