
Appendix A: Conducted power Data

Test Result

Band	Channel	Conducted power (dBm)	Limit(dBm)	Verdict
GSM1900	512	30.43	33	PASS
GSM1900	661	30.70	33	PASS
GSM1900	810	30.46	33	PASS

Band	Channel	Up Slot Num	Conducted power (dBm)	Limit(dBm)	Verdict
GPRS1900	512	1	30.44	33	PASS
GPRS1900	512	2	29.39	33	PASS
GPRS1900	512	3	27.26	33	PASS
GPRS1900	512	4	26.17	33	PASS
GPRS1900	661	1	30.71	33	PASS
GPRS1900	661	2	29.66	33	PASS
GPRS1900	661	3	27.53	33	PASS
GPRS1900	661	4	26.49	33	PASS
GPRS1900	810	1	30.48	33	PASS
GPRS1900	810	2	29.42	33	PASS
GPRS1900	810	3	27.25	33	PASS
GPRS1900	810	4	26.16	33	PASS

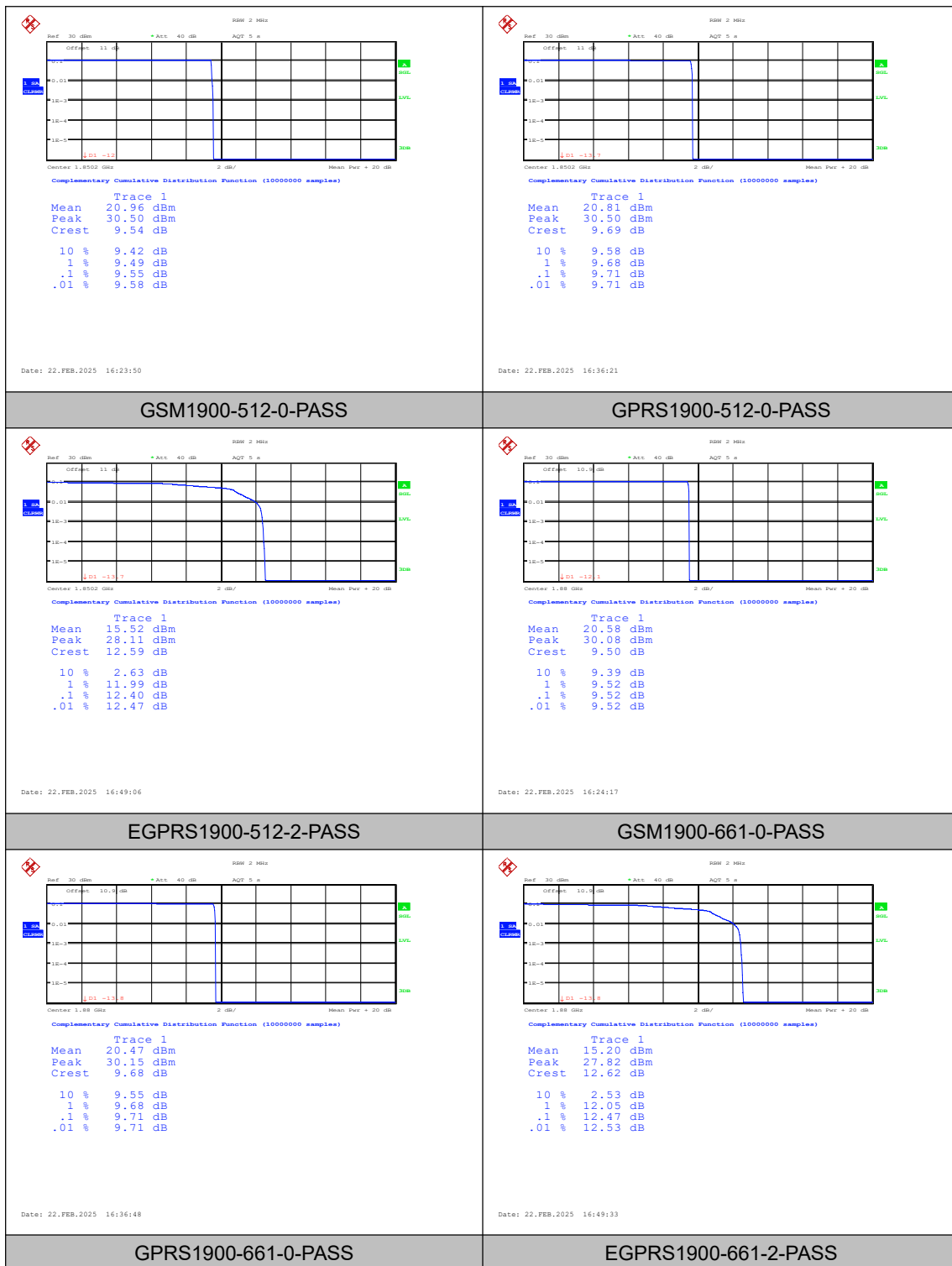
Band	Channel	Up Slot Num	Conducted power (dBm)	Limit(dBm)	Verdict
EGPRS1900	512	1	25.23	33	PASS
EGPRS1900	512	2	24.29	33	PASS
EGPRS1900	512	3	22.51	33	PASS
EGPRS1900	512	4	21.56	33	PASS
EGPRS1900	661	1	25.53	33	PASS
EGPRS1900	661	2	24.62	33	PASS
EGPRS1900	661	3	22.76	33	PASS
EGPRS1900	661	4	21.78	33	PASS
EGPRS1900	810	1	25.23	33	PASS
EGPRS1900	810	2	24.32	33	PASS
EGPRS1900	810	3	22.39	33	PASS
EGPRS1900	810	4	21.39	33	PASS

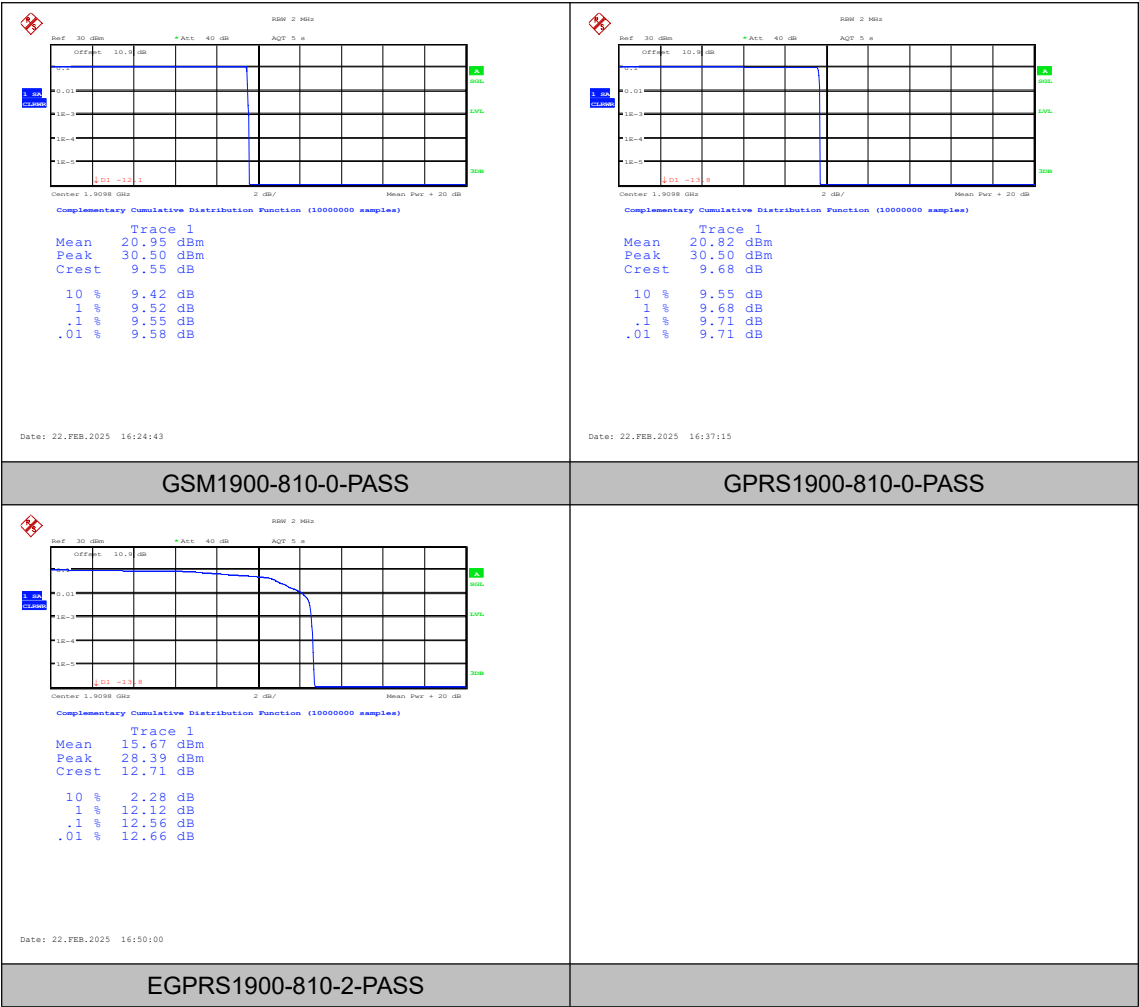
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

Band	Channel	Result(dB)	Limit(dB)	Verdict
GSM1900	512	9.55	13	PASS
GPRS1900	512	9.71	13	PASS
EGPRS1900	512	12.40	13	PASS
GSM1900	661	9.52	13	PASS
GPRS1900	661	9.71	13	PASS
EGPRS1900	661	12.47	13	PASS
GSM1900	810	9.55	13	PASS
GPRS1900	810	9.71	13	PASS
EGPRS1900	810	12.56	13	PASS

Test Graphs



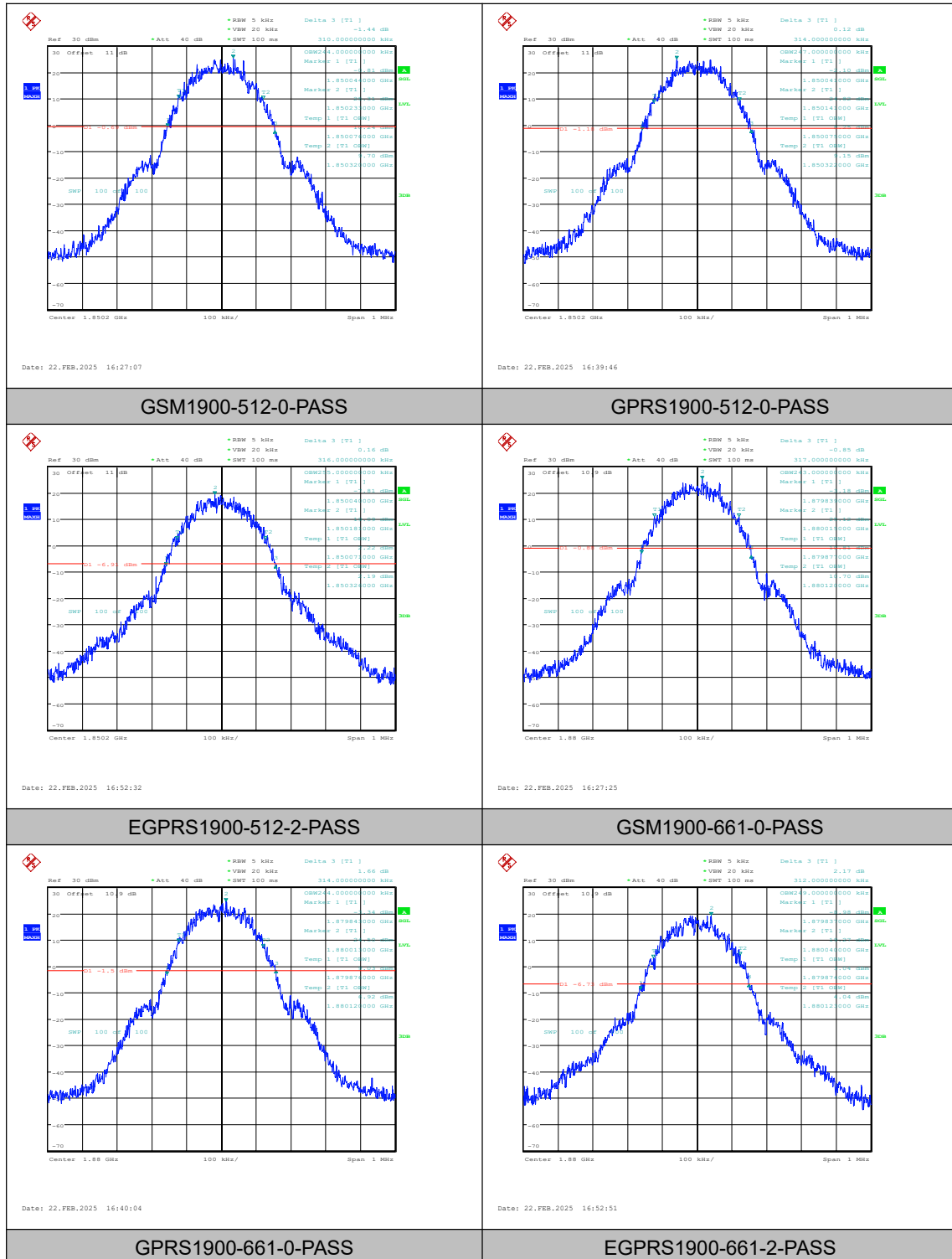


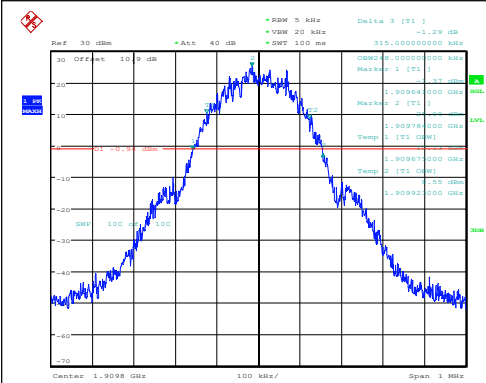
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GSM1900	512	0.244	0.31	---	PASS
GPRS1900	512	0.247	0.31	---	PASS
EGPRS1900	512	0.255	0.32	---	PASS
GSM1900	661	0.243	0.32	---	PASS
GPRS1900	661	0.244	0.31	---	PASS
EGPRS1900	661	0.249	0.31	---	PASS
GSM1900	810	0.248	0.32	---	PASS
GPRS1900	810	0.247	0.32	---	PASS
EGPRS1900	810	0.252	0.30	---	PASS

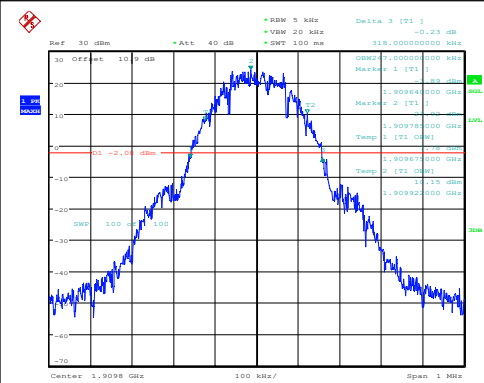
Test Graphs





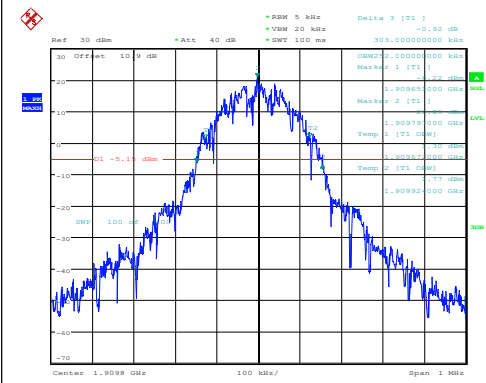
Date: 22.FEB.2025 16:27:44

GSM1900-810-0-PASS



Date: 22.FEB.2025 16:40:23

GPRS1900-810-0-PASS



Date: 22.FEB.2025 16:53:10

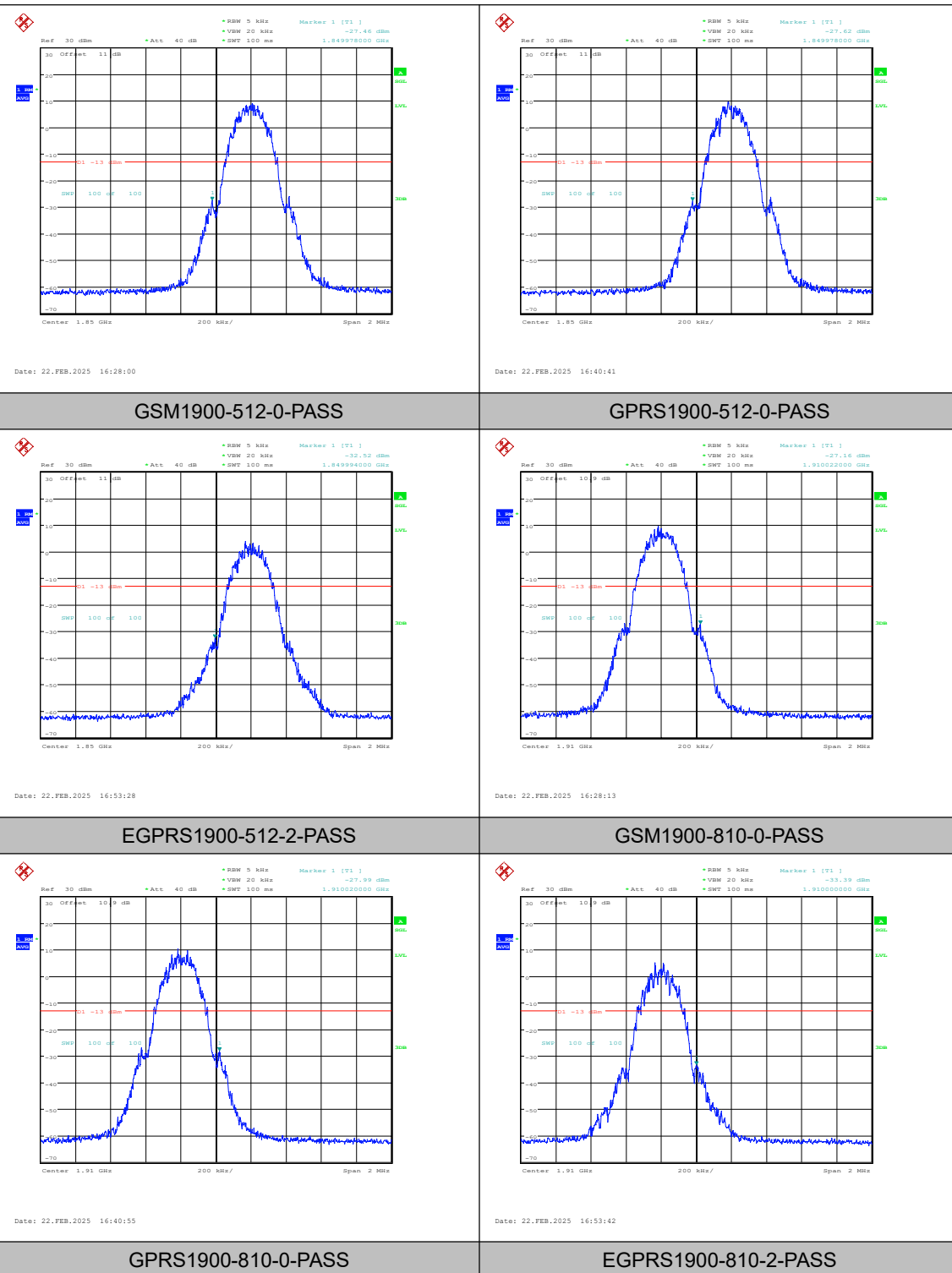
EGPRS1900-810-2-PASS

Appendix D: Band Edge

Test Result

Band	Channel	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GSM1900	512	1849.98	-27.46	-13	PASS
GPRS1900	512	1849.98	-27.62	-13	PASS
EGPRS1900	512	1849.99	-32.52	-13	PASS
GSM1900	810	1910.02	-27.16	-13	PASS
GPRS1900	810	1910.02	-27.99	-13	PASS
EGPRS1900	810	1910.00	-33.39	-13	PASS

Test Graphs



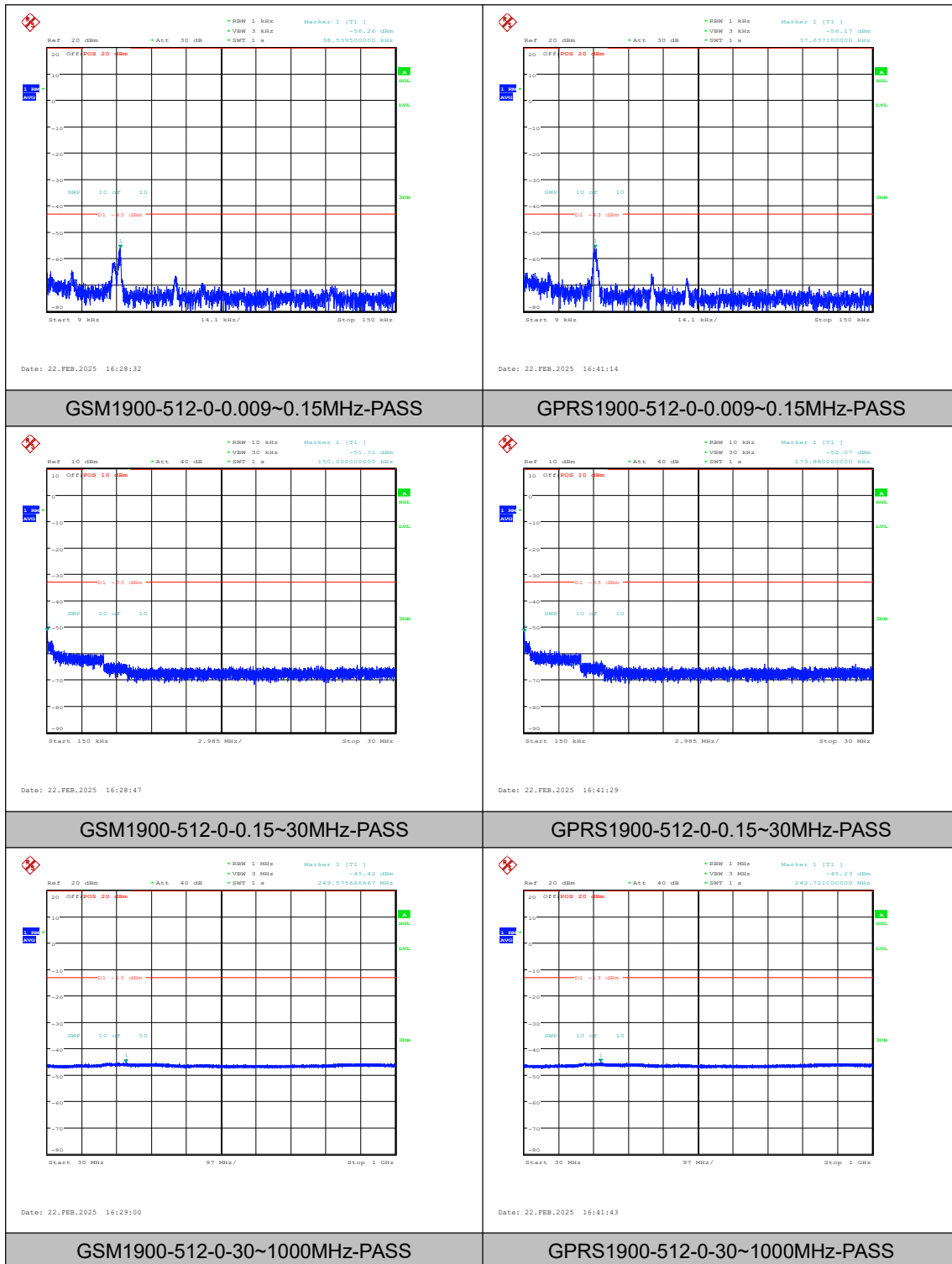
Appendix E: Conducted Spurious Emission

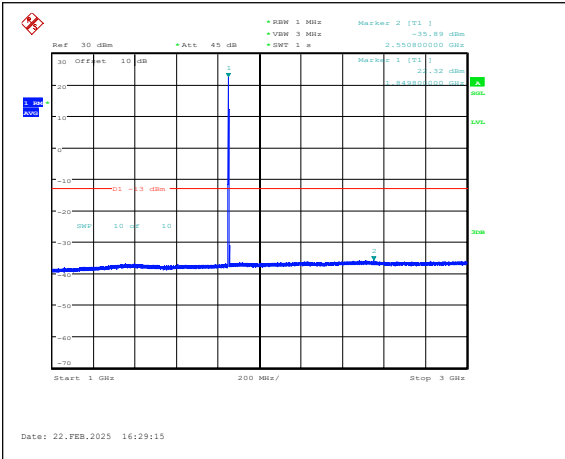
Test Result

Band	Channel	Frequency Range(MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
GSM1900	512	0.009~0.15MHz	0.04	-56.26	-43	PASS
GPRS1900	512	0.009~0.15MHz	0.04	-56.17	-43	PASS
GSM1900	512	0.15~30MHz	0.15	-51.71	-33	PASS
GPRS1900	512	0.15~30MHz	0.17	-52.07	-33	PASS
GSM1900	512	30~1000MHz	249.58	-45.42	-13	PASS
GPRS1900	512	30~1000MHz	242.72	-45.23	-13	PASS
GSM1900	512	1000~3000MHz	2550.8	-35.89	-13	PASS
GPRS1900	512	1000~3000MHz	2490.33	-35.87	-13	PASS
GSM1900	512	3000~18000MHz	3700.5	-42.87	-13	PASS
GPRS1900	512	3000~18000MHz	3700	-44.5	-13	PASS
EGPRS1900	512	0.009~0.15MHz	0.04	-53.21	-43	PASS
EGPRS1900	512	0.15~30MHz	0.17	-52.28	-33	PASS
EGPRS1900	512	30~1000MHz	243.34	-45.41	-13	PASS
EGPRS1900	512	1000~3000MHz	2521.13	-35.96	-13	PASS
EGPRS1900	512	3000~18000MHz	3181	-46.61	-13	PASS
GSM1900	661	0.009~0.15MHz	0.04	-57.11	-43	PASS
GPRS1900	661	0.009~0.15MHz	0.04	-56.03	-43	PASS
GSM1900	661	0.15~30MHz	0.19	-52.67	-33	PASS
GPRS1900	661	0.15~30MHz	0.15	-52.18	-33	PASS
GSM1900	661	30~1000MHz	237.74	-45.33	-13	PASS
GPRS1900	661	30~1000MHz	229.92	-45.43	-13	PASS
GSM1900	661	1000~3000MHz	2536.13	-35.97	-13	PASS
GPRS1900	661	1000~3000MHz	2488.8	-35.92	-13	PASS
GSM1900	661	3000~18000MHz	3760	-42.48	-13	PASS
GPRS1900	661	3000~18000MHz	3194	-46.11	-13	PASS
EGPRS1900	661	0.009~0.15MHz	0.04	-53.1	-43	PASS
EGPRS1900	661	0.15~30MHz	0.19	-52.31	-33	PASS
EGPRS1900	661	30~1000MHz	237.87	-45.37	-13	PASS
EGPRS1900	661	1000~3000MHz	2517.4	-35.94	-13	PASS
EGPRS1900	661	3000~18000MHz	3759.5	-44.97	-13	PASS
GSM1900	810	0.009~0.15MHz	0.04	-58.67	-43	PASS
GPRS1900	810	0.009~0.15MHz	0.04	-57.42	-43	PASS
GSM1900	810	0.15~30MHz	0.18	-52.38	-33	PASS
GPRS1900	810	0.15~30MHz	0.19	-52.23	-33	PASS
GSM1900	810	30~1000MHz	247.77	-45.39	-13	PASS
GPRS1900	810	30~1000MHz	200.24	-45.37	-13	PASS

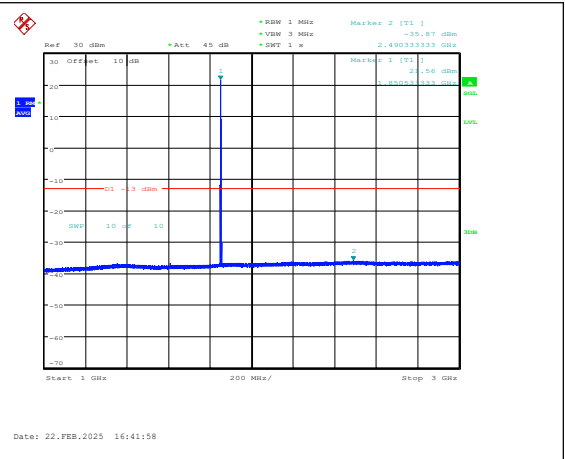
GSM1900	810	1000~3000MHz	2524.27	-35.96	-13	PASS
GPRS1900	810	1000~3000MHz	2504.13	-35.8	-13	PASS
GSM1900	810	3000~18000MHz	3819.5	-42.15	-13	PASS
GPRS1900	810	3000~18000MHz	3819.5	-42.39	-13	PASS
EGPRS1900	810	0.009~0.15MHz	0.04	-53.42	-43	PASS
EGPRS1900	810	0.15~30MHz	0.16	-52.4	-33	PASS
EGPRS1900	810	30~1000MHz	199.81	-45.23	-13	PASS
EGPRS1900	810	1000~3000MHz	2500.8	-35.95	-13	PASS
EGPRS1900	810	3000~18000MHz	3819.5	-43.16	-13	PASS

Test Graphs

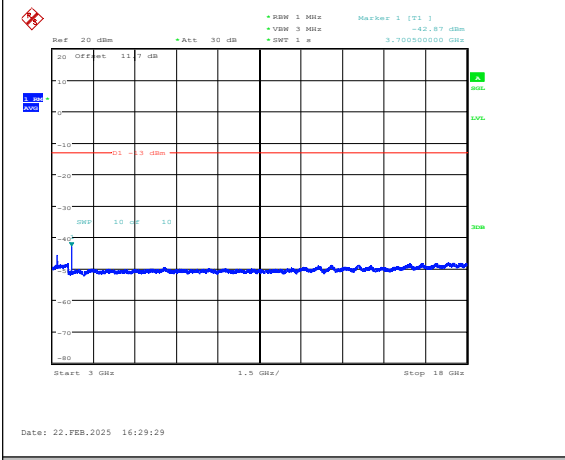




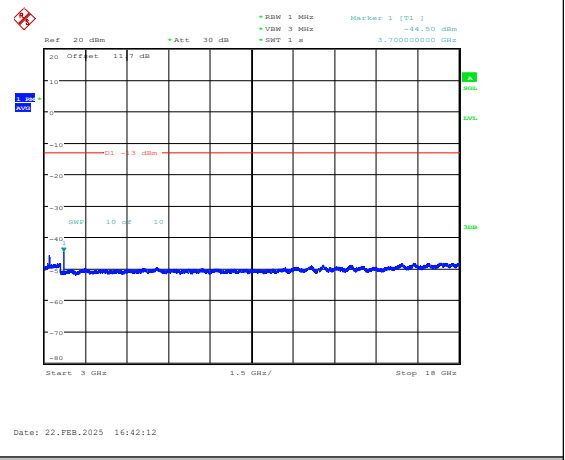
GSM1900-512-0-1000~3000MHz-PASS



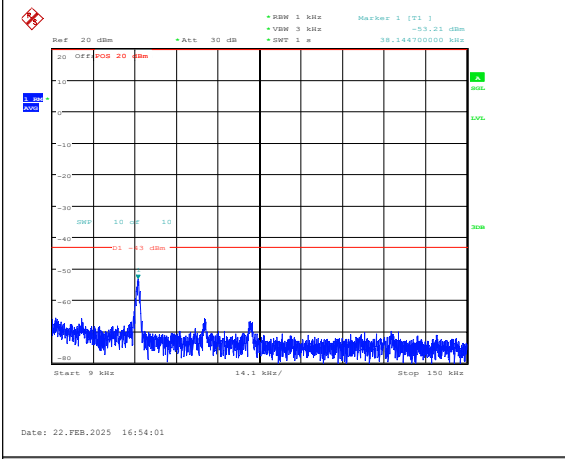
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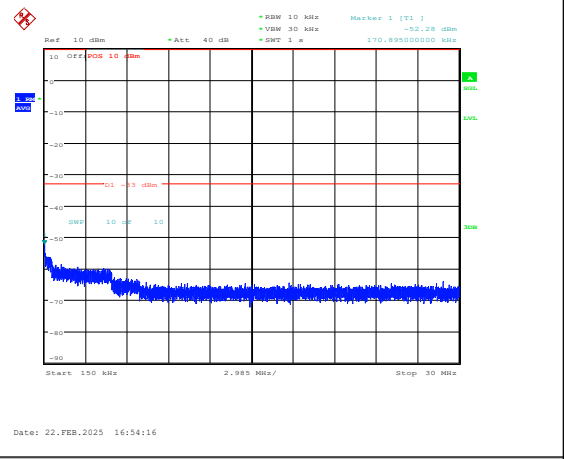
GSM1900-512-0-3000~18000MHz-PASS



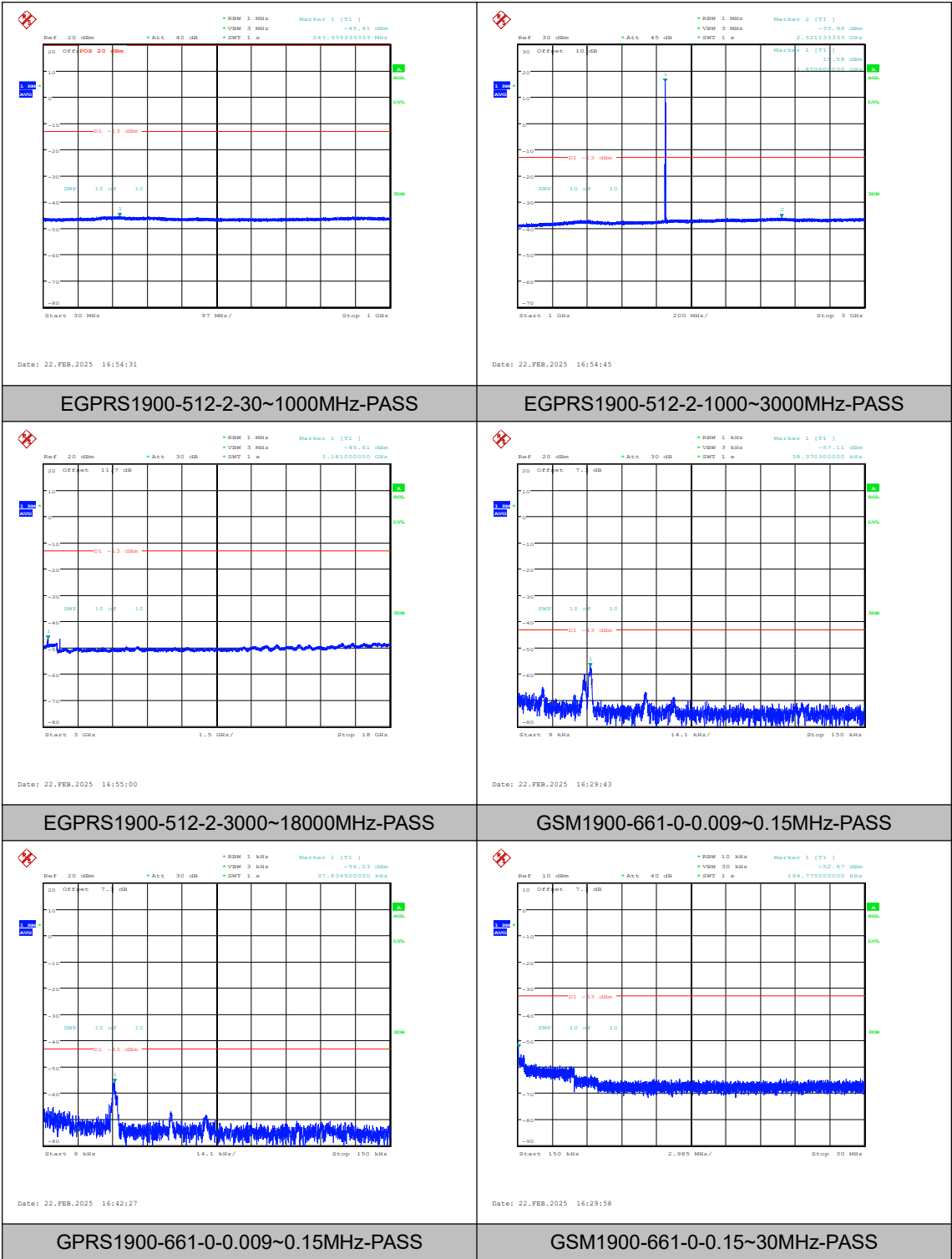
GPRS1900-512-0-3000~18000MHz-PASS

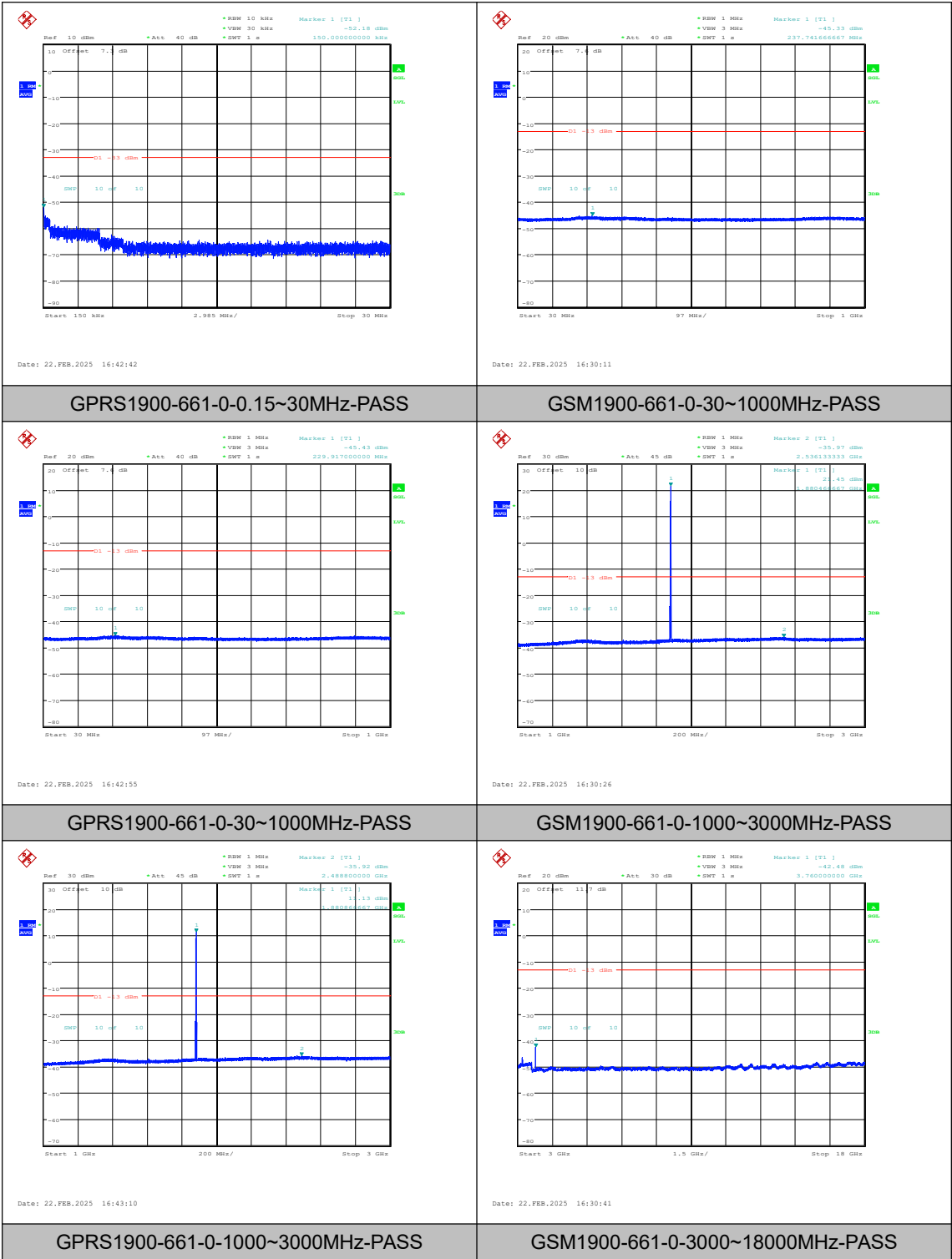


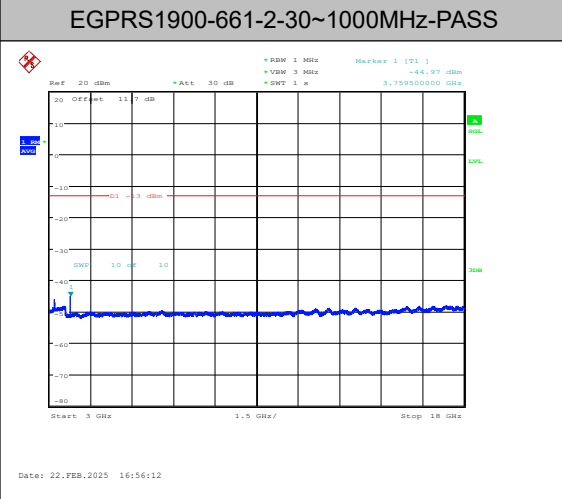
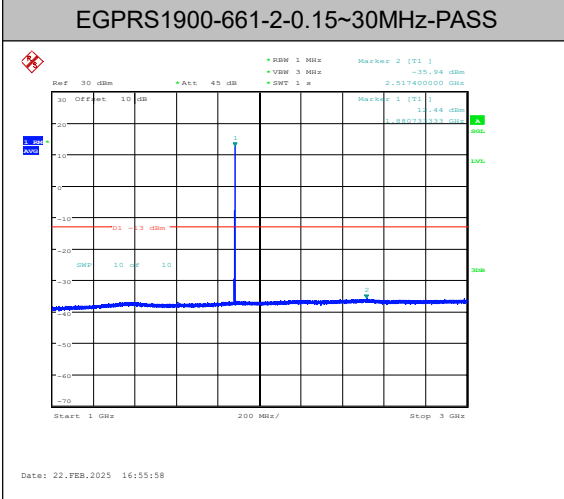
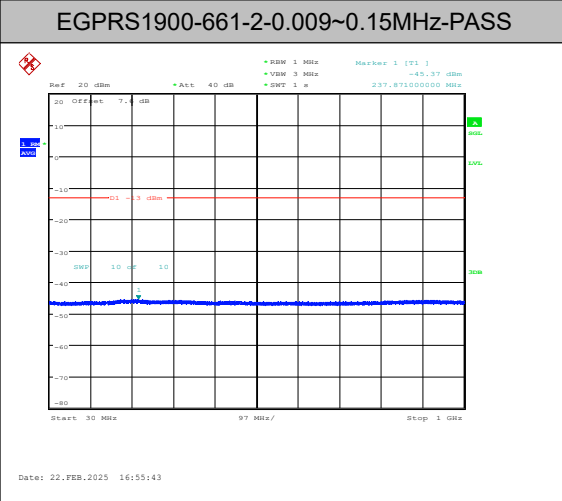
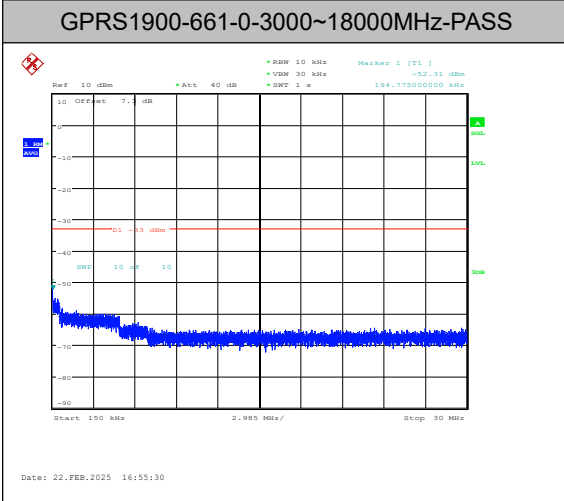
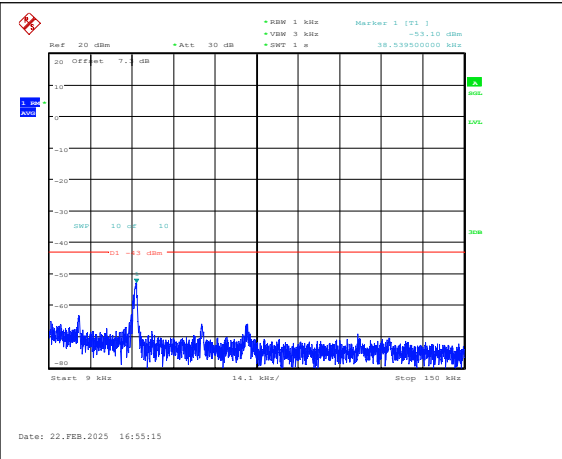
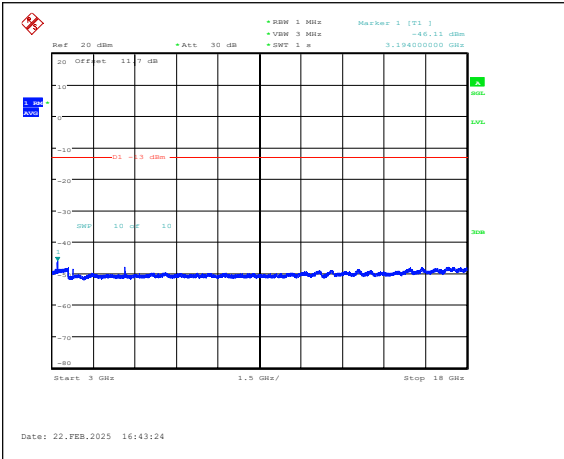
EGPRS1900-512-2-0.009~0.15MHz-PASS



EGPRS1900-512-2-0.15~30MHz-PASS

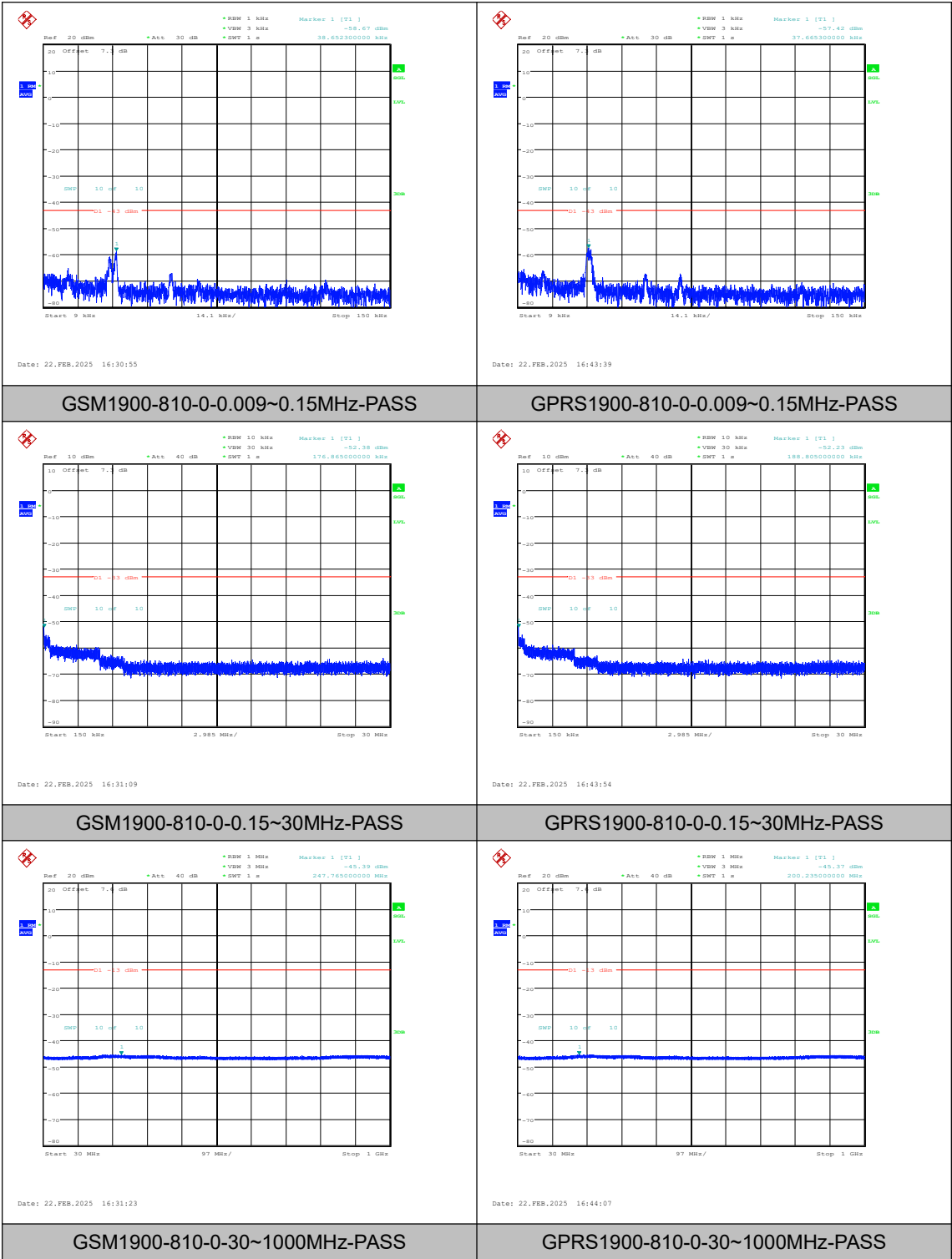


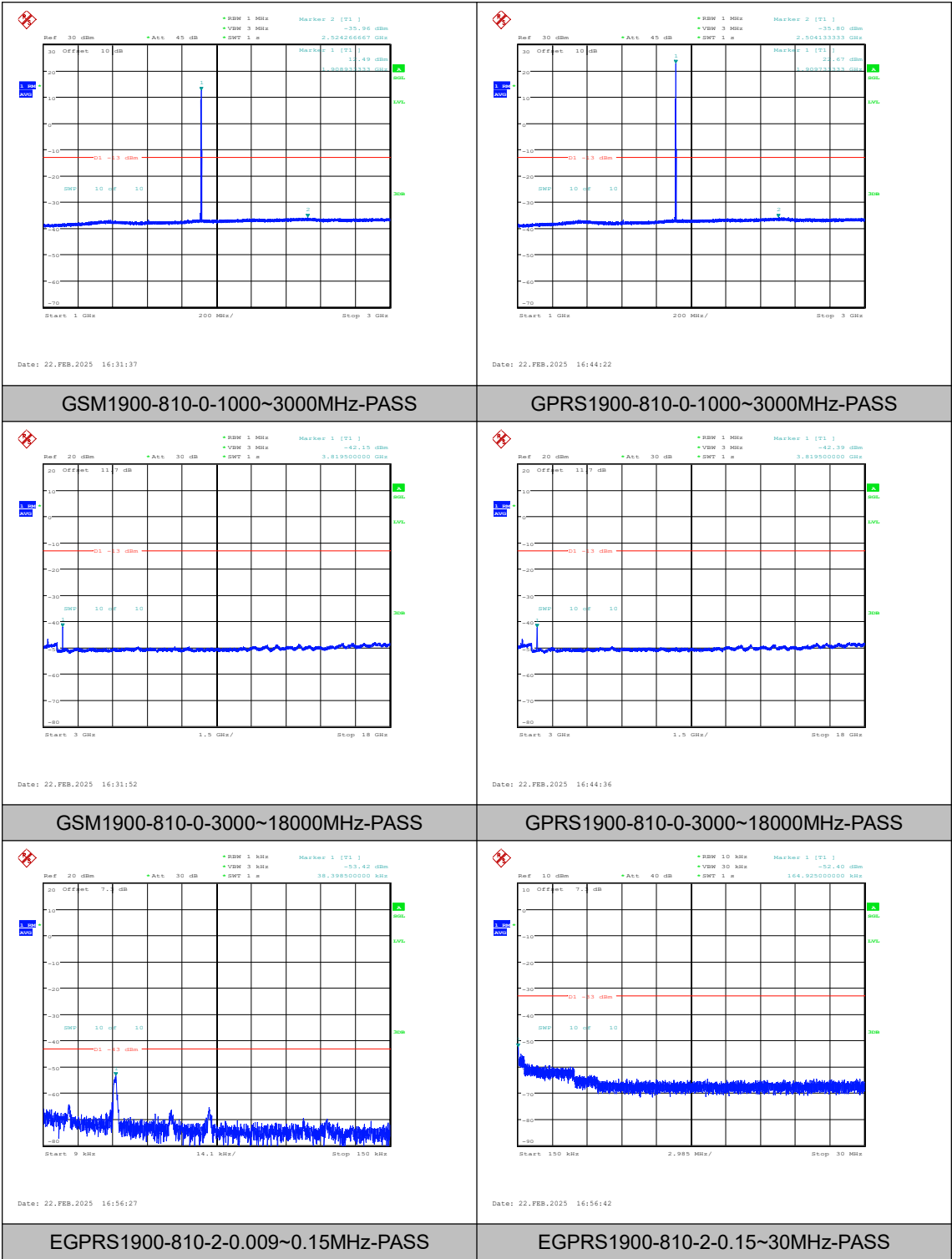


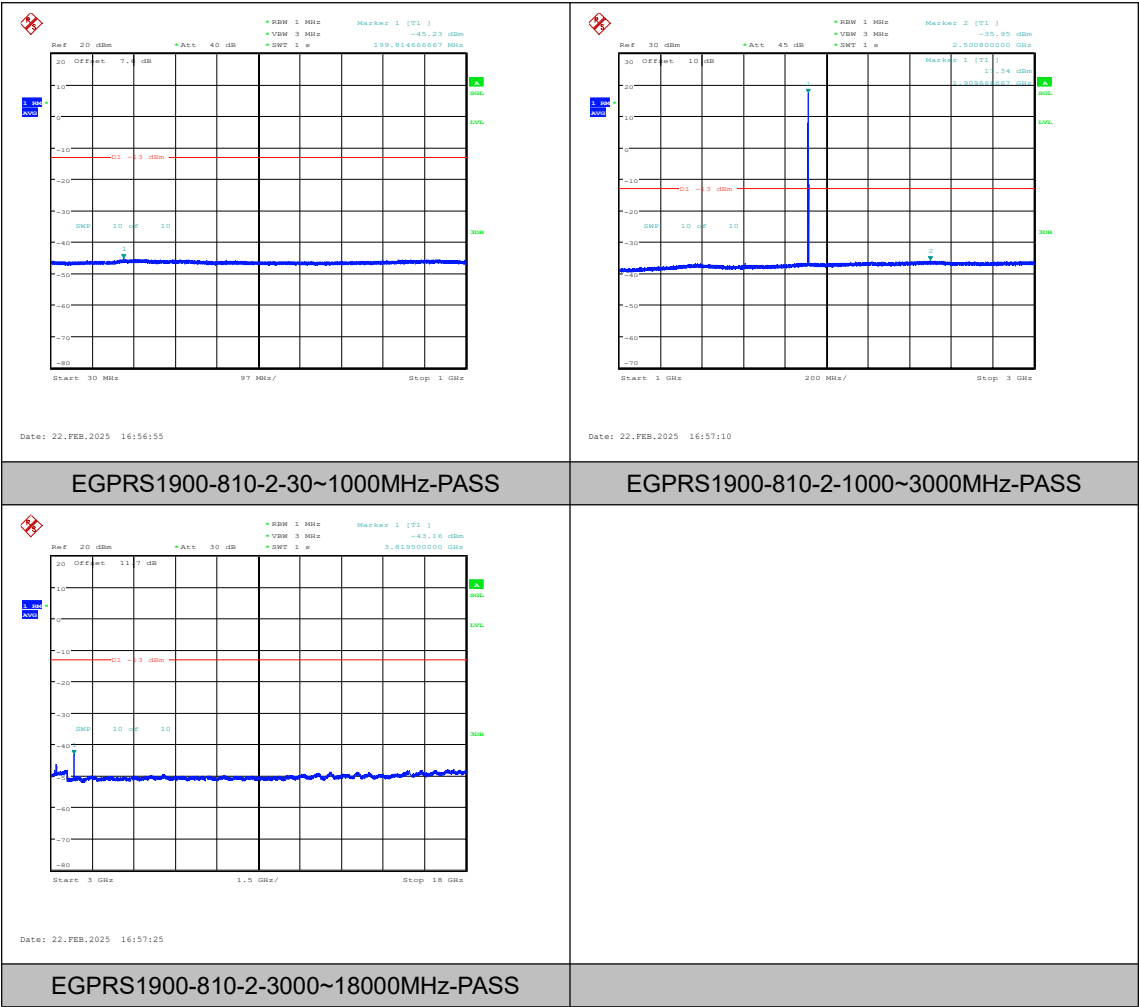


EGPRS1900-661-2-1000~3000MHz-PASS

EGPRS1900-661-2-3000~18000MHz-PASS







Appendix F: Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM1900	512	VN	NT	-18.11	-0.009788	±2.5	PASS
GSM1900	512	VL	NT	-17.95	-0.009702	±2.5	PASS
GSM1900	512	VH	NT	-24.31	-0.013139	±2.5	PASS
GPRS1900	512	VN	NT	-20.89	-0.011291	±2.5	PASS
GPRS1900	512	VL	NT	-20.34	-0.010993	±2.5	PASS
GPRS1900	512	VH	NT	-20.76	-0.011220	±2.5	PASS
EGPRS1900	512	VN	NT	-5.78	-0.003124	±2.5	PASS
EGPRS1900	512	VL	NT	-9.62	-0.005199	±2.5	PASS
EGPRS1900	512	VH	NT	-8.49	-0.004589	±2.5	PASS
GSM1900	661	VN	NT	-20.37	-0.010835	±2.5	PASS
GSM1900	661	VL	NT	-16.95	-0.009016	±2.5	PASS
GSM1900	661	VH	NT	-15.08	-0.008021	±2.5	PASS
GPRS1900	661	VN	NT	-17.72	-0.009426	±2.5	PASS
GPRS1900	661	VL	NT	-19.37	-0.010303	±2.5	PASS
GPRS1900	661	VH	NT	-15.30	-0.008138	±2.5	PASS
EGPRS1900	661	VN	NT	-8.81	-0.004686	±2.5	PASS
EGPRS1900	661	VL	NT	-11.53	-0.006133	±2.5	PASS
EGPRS1900	661	VH	NT	-10.46	-0.005564	±2.5	PASS
GSM1900	810	VN	NT	-13.20	-0.006912	±2.5	PASS
GSM1900	810	VL	NT	-13.75	-0.007200	±2.5	PASS
GSM1900	810	VH	NT	-15.27	-0.007996	±2.5	PASS
GPRS1900	810	VN	NT	-18.02	-0.009436	±2.5	PASS
GPRS1900	810	VL	NT	-21.99	-0.011514	±2.5	PASS
GPRS1900	810	VH	NT	-17.24	-0.009027	±2.5	PASS
EGPRS1900	810	VN	NT	-9.56	-0.005006	±2.5	PASS
EGPRS1900	810	VL	NT	-10.65	-0.005577	±2.5	PASS
EGPRS1900	810	VH	NT	-13.82	-0.007236	±2.5	PASS

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM1900	512	NV	-30	-25.63	-0.013853	±2.5	PASS
GSM1900	512	NV	-20	-24.41	-0.013193	±2.5	PASS
GSM1900	512	NV	-10	-18.56	-0.010031	±2.5	PASS

GSM1900	512	NV	0	-19.79	-0.010696	±2.5	PASS
GSM1900	512	NV	10	-20.31	-0.010977	±2.5	PASS
GSM1900	512	NV	20	-21.83	-0.011799	±2.5	PASS
GSM1900	512	NV	30	-21.44	-0.011588	±2.5	PASS
GSM1900	512	NV	40	-21.86	-0.011815	±2.5	PASS
GSM1900	512	NV	50	-20.66	-0.011166	±2.5	PASS
GPRS1900	512	NV	-30	-26.60	-0.014377	±2.5	PASS
GPRS1900	512	NV	-20	-26.35	-0.014242	±2.5	PASS
GPRS1900	512	NV	-10	-22.05	-0.011918	±2.5	PASS
GPRS1900	512	NV	0	-20.11	-0.010869	±2.5	PASS
GPRS1900	512	NV	10	-16.66	-0.009004	±2.5	PASS
GPRS1900	512	NV	20	-16.01	-0.008653	±2.5	PASS
GPRS1900	512	NV	30	-25.47	-0.013766	±2.5	PASS
GPRS1900	512	NV	40	-27.12	-0.014658	±2.5	PASS
GPRS1900	512	NV	50	-20.18	-0.010907	±2.5	PASS
EGPRS1900	512	NV	-30	-13.08	-0.007070	±2.5	PASS
EGPRS1900	512	NV	-20	-8.17	-0.004416	±2.5	PASS
EGPRS1900	512	NV	-10	-9.04	-0.004886	±2.5	PASS
EGPRS1900	512	NV	0	-9.33	-0.005043	±2.5	PASS
EGPRS1900	512	NV	10	-15.72	-0.008496	±2.5	PASS
EGPRS1900	512	NV	20	-10.59	-0.005724	±2.5	PASS
EGPRS1900	512	NV	30	-5.78	-0.003124	±2.5	PASS
EGPRS1900	512	NV	40	-1.49	-0.000805	±2.5	PASS
EGPRS1900	512	NV	50	-6.26	-0.003383	±2.5	PASS
GSM1900	661	NV	-30	-14.53	-0.007729	±2.5	PASS
GSM1900	661	NV	-20	-16.63	-0.008846	±2.5	PASS
GSM1900	661	NV	-10	-18.69	-0.009941	±2.5	PASS
GSM1900	661	NV	0	-16.56	-0.008809	±2.5	PASS
GSM1900	661	NV	10	-16.79	-0.008931	±2.5	PASS
GSM1900	661	NV	20	-18.50	-0.009840	±2.5	PASS
GSM1900	661	NV	30	-17.01	-0.009048	±2.5	PASS
GSM1900	661	NV	40	-18.60	-0.009894	±2.5	PASS
GSM1900	661	NV	50	-18.60	-0.009894	±2.5	PASS
GPRS1900	661	NV	-30	-17.92	-0.009532	±2.5	PASS
GPRS1900	661	NV	-20	-18.50	-0.009840	±2.5	PASS
GPRS1900	661	NV	-10	-14.56	-0.007745	±2.5	PASS
GPRS1900	661	NV	0	-13.92	-0.007404	±2.5	PASS
GPRS1900	661	NV	10	-19.37	-0.010303	±2.5	PASS
GPRS1900	661	NV	20	-17.95	-0.009548	±2.5	PASS
GPRS1900	661	NV	30	-19.79	-0.010527	±2.5	PASS
GPRS1900	661	NV	40	-20.63	-0.010973	±2.5	PASS

GPRS1900	661	NV	50	-28.38	-0.015096	±2.5	PASS
EGPRS1900	661	NV	-30	-9.30	-0.004947	±2.5	PASS
EGPRS1900	661	NV	-20	-17.11	-0.009101	±2.5	PASS
EGPRS1900	661	NV	-10	-7.62	-0.004053	±2.5	PASS
EGPRS1900	661	NV	0	-6.26	-0.003330	±2.5	PASS
EGPRS1900	661	NV	10	-10.98	-0.005840	±2.5	PASS
EGPRS1900	661	NV	20	-9.40	-0.005000	±2.5	PASS
EGPRS1900	661	NV	30	-10.14	-0.005394	±2.5	PASS
EGPRS1900	661	NV	40	-9.43	-0.005016	±2.5	PASS
EGPRS1900	661	NV	50	-9.81	-0.005218	±2.5	PASS
GSM1900	810	NV	-30	-14.04	-0.007352	±2.5	PASS
GSM1900	810	NV	-20	-15.40	-0.008064	±2.5	PASS
GSM1900	810	NV	-10	-15.69	-0.008216	±2.5	PASS
GSM1900	810	NV	0	-12.49	-0.006540	±2.5	PASS
GSM1900	810	NV	10	-12.82	-0.006713	±2.5	PASS
GSM1900	810	NV	20	-13.72	-0.007184	±2.5	PASS
GSM1900	810	NV	30	-13.75	-0.007200	±2.5	PASS
GSM1900	810	NV	40	-18.89	-0.009891	±2.5	PASS
GSM1900	810	NV	50	-17.14	-0.008975	±2.5	PASS
GPRS1900	810	NV	-30	-10.78	-0.005645	±2.5	PASS
GPRS1900	810	NV	-20	-14.85	-0.007776	±2.5	PASS
GPRS1900	810	NV	-10	-19.24	-0.010074	±2.5	PASS
GPRS1900	810	NV	0	-20.02	-0.010483	±2.5	PASS
GPRS1900	810	NV	10	-13.37	-0.007001	±2.5	PASS
GPRS1900	810	NV	20	-15.72	-0.008231	±2.5	PASS
GPRS1900	810	NV	30	-17.18	-0.008996	±2.5	PASS
GPRS1900	810	NV	40	-18.92	-0.009907	±2.5	PASS
GPRS1900	810	NV	50	-18.05	-0.009451	±2.5	PASS
EGPRS1900	810	NV	-30	-9.10	-0.004765	±2.5	PASS
EGPRS1900	810	NV	-20	-7.88	-0.004126	±2.5	PASS
EGPRS1900	810	NV	-10	-13.82	-0.007236	±2.5	PASS
EGPRS1900	810	NV	0	-9.01	-0.004718	±2.5	PASS
EGPRS1900	810	NV	10	-12.49	-0.006540	±2.5	PASS
EGPRS1900	810	NV	20	-16.21	-0.008488	±2.5	PASS
EGPRS1900	810	NV	30	-10.75	-0.005629	±2.5	PASS
EGPRS1900	810	NV	40	-12.98	-0.006797	±2.5	PASS
EGPRS1900	810	NV	50	-15.30	-0.008011	±2.5	PASS