



Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Channel	Power(dBm)	ERP/EIRP(dBm)	Limit(dBm)	Verdict
GSM850	128	33.67	29.39	38.45	PASS
GSM850	190	33.80	29.52	38.45	PASS
GSM850	251	34.01	29.73	38.45	PASS
GSM1900	512	30.82	30.07	33.00	PASS
GSM1900	661	30.95	30.2	33.00	PASS
GSM1900	810	30.63	29.88	33.00	PASS

$EIRP = PT + GT - LC$, $ERP = EIRP - 2.15$, where

PT = Conducted output power(dBm);

GT = gain of the transmitting antenna(dBi);



Band	Channel	Slot	Power(dBm)	ERP/EIRP(dBm)	Limit(dBm)	Verdict
GPRS850	128	1	33.68	29.4	38.45	PASS
GPRS850	190	1	33.76	29.48	38.45	PASS
GPRS850	251	1	33.95	29.67	38.45	PASS
GPRS850	128	2	32.92	28.64	38.45	PASS
GPRS850	190	2	33.02	28.74	38.45	PASS
GPRS850	251	2	33.22	28.94	38.45	PASS
GPRS850	128	3	31.15	26.87	38.45	PASS
GPRS850	190	3	31.23	26.95	38.45	PASS
GPRS850	251	3	31.47	27.19	38.45	PASS
GPRS850	128	4	30	25.72	38.45	PASS
GPRS850	190	4	30.10	25.82	38.45	PASS
GPRS850	251	4	30.34	26.06	38.45	PASS
GPRS1900	512	1	30.82	30.07	33.00	PASS
GPRS1900	661	1	30.89	30.14	33.00	PASS
GPRS1900	810	1	30.57	29.82	33.00	PASS
GPRS1900	512	2	30.06	29.31	33.00	PASS
GPRS1900	661	2	30.16	29.41	33.00	PASS
GPRS1900	810	2	29.88	29.13	33.00	PASS
GPRS1900	512	3	28.27	27.52	33.00	PASS
GPRS1900	661	3	28.41	27.66	33.00	PASS
GPRS1900	810	3	28.22	27.47	33.00	PASS
GPRS1900	512	4	27.13	26.38	33.00	PASS
GPRS1900	661	4	27.26	26.51	33.00	PASS
GPRS1900	810	4	27.11	26.36	33.00	PASS

$EIRP = PT + GT - LC$, $ERP = EIRP - 2.15$, where

PT = Conducted output power(dBm);

GT = gain of the transmitting antenna(dBi);



Band	Channel	Slot	Power(dBm)	ERP/EIRP(dBm)	Limit(dBm)	Verdict
EGPRS850	128	1	27.92	23.64	38.45	PASS
EGPRS850	190	1	27.50	23.22	38.45	PASS
EGPRS850	251	1	27.66	23.38	38.45	PASS
EGPRS850	128	2	26.77	22.49	38.45	PASS
EGPRS850	190	2	26.48	22.2	38.45	PASS
EGPRS850	251	2	26.58	22.3	38.45	PASS
EGPRS850	128	3	24.71	20.43	38.45	PASS
EGPRS850	190	3	24.44	20.16	38.45	PASS
EGPRS850	251	3	24.60	20.32	38.45	PASS
EGPRS850	128	4	23.56	19.28	38.45	PASS
EGPRS850	190	4	23.23	18.95	38.45	PASS
EGPRS850	251	4	23.43	19.15	38.45	PASS
EGPRS1900	512	1	27.63	26.88	33.00	PASS
EGPRS1900	661	1	26.92	26.17	33.00	PASS
EGPRS1900	810	1	26.06	25.31	33.00	PASS
EGPRS1900	512	2	26.35	25.6	33.00	PASS
EGPRS1900	661	2	25.78	25.03	33.00	PASS
EGPRS1900	810	2	24.88	24.13	33.00	PASS
EGPRS1900	512	3	24.04	23.29	33.00	PASS
EGPRS1900	661	3	23.52	22.77	33.00	PASS
EGPRS1900	810	3	22.64	21.89	33.00	PASS
EGPRS1900	512	4	22.68	21.93	33.00	PASS
EGPRS1900	661	4	22.21	21.46	33.00	PASS
EGPRS1900	810	4	21.28	20.53	33.00	PASS

$EIRP = PT + GT - LC$, $ERP = EIRP - 2.15$, where

PT = Conducted output power(dBm);

GT = gain of the transmitting antenna(dBi);



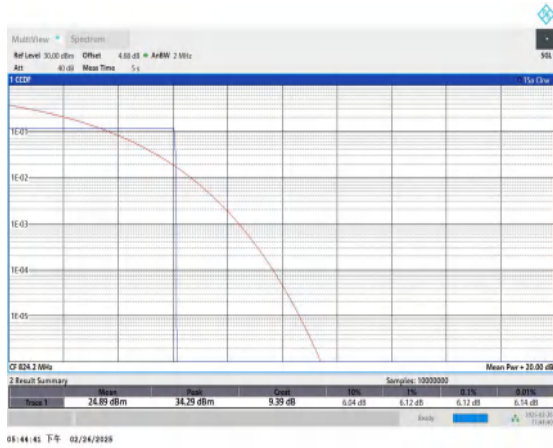
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

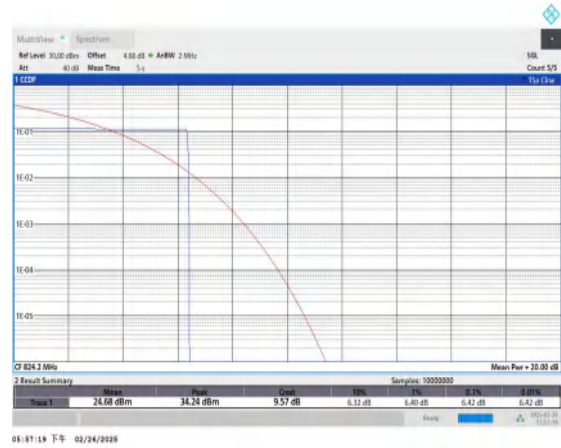
Band	Channel	Result(dB)	Limit(dB)	Verdict
GSM850	128	6.12	13	PASS
GPRS850	128	6.42	13	PASS
GSM850	190	6.12	13	PASS
GPRS850	190	6.32	13	PASS
GSM850	251	6.12	13	PASS
GPRS850	251	6.32	13	PASS
EGPRS850	128	12.52	13	PASS
EGPRS850	190	12.48	13	PASS
EGPRS850	251	12.40	13	PASS
GSM1900	512	8.96	13	PASS
GPRS1900	512	9.14	13	PASS
GSM1900	661	9.14	13	PASS
GPRS1900	661	9.34	13	PASS
GSM1900	810	9.14	13	PASS
GPRS1900	810	9.34	13	PASS
EGPRS1900	512	12.80	13	PASS
EGPRS1900	661	12.76	13	PASS
EGPRS1900	810	12.88	13	PASS



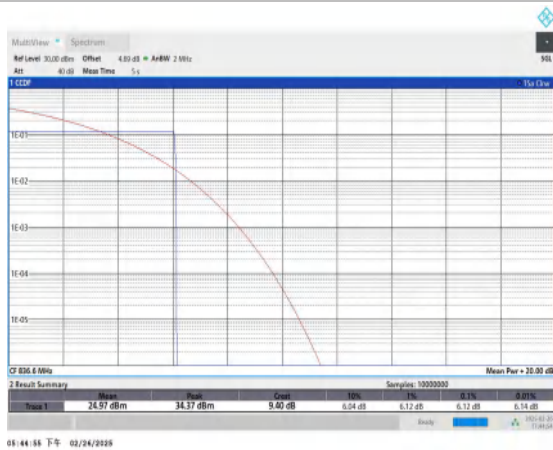
Test Graphs



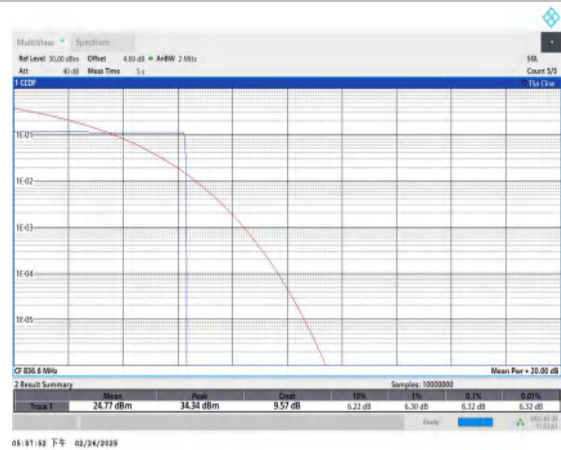
GSM850-128-5-PASS



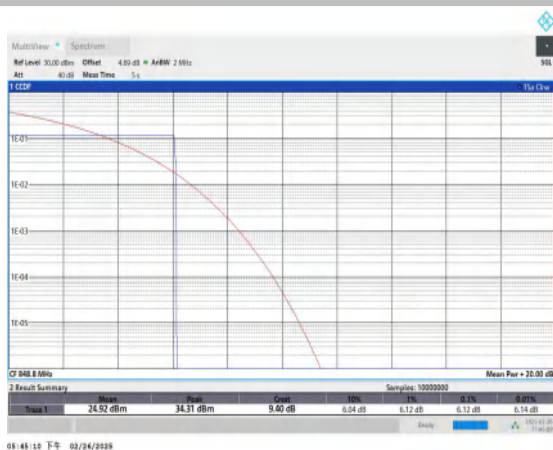
GPRS850-128-5-PASS



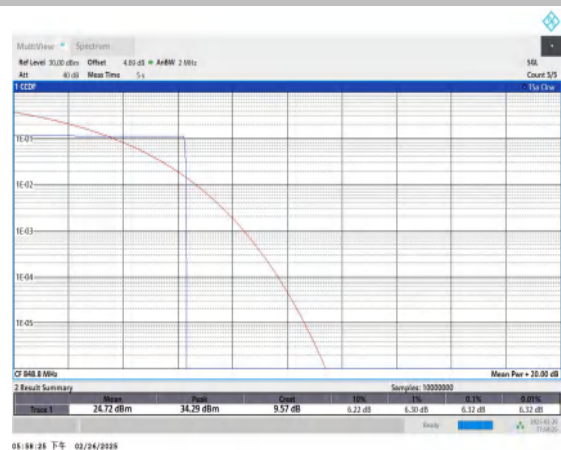
GSM850-190-5-PASS



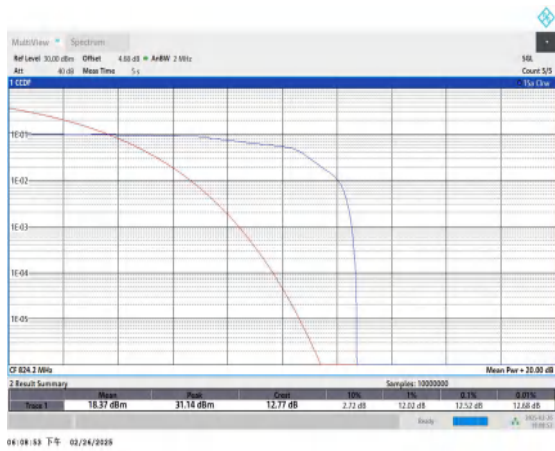
GPRS850-190-5-PASS



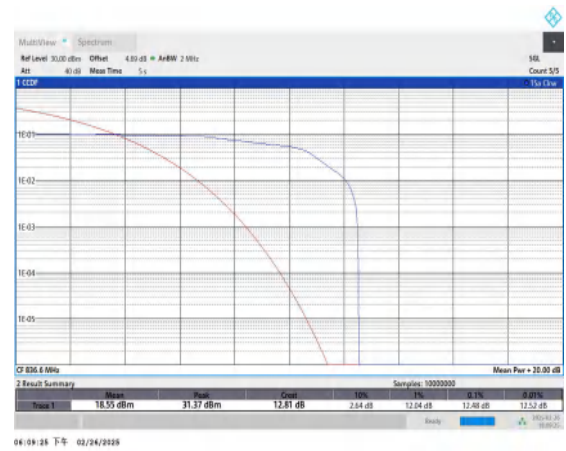
GSM850-251-5-PASS



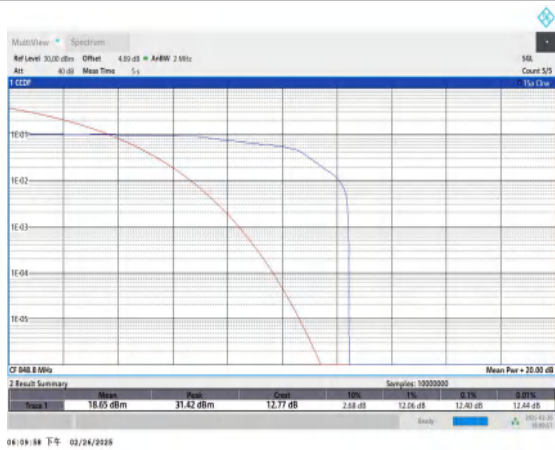
GPRS850-251-5-PASS



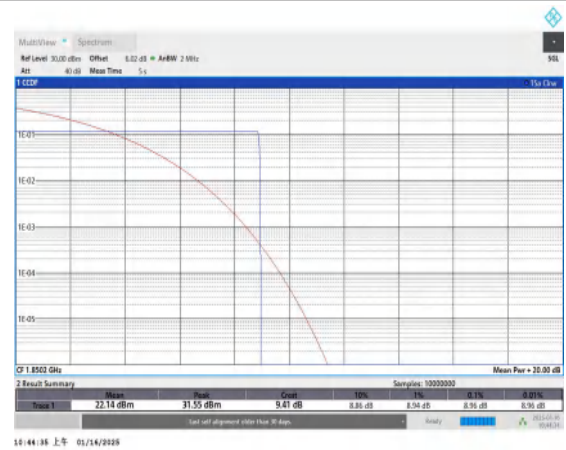
EGPRS850-128-8-PASS



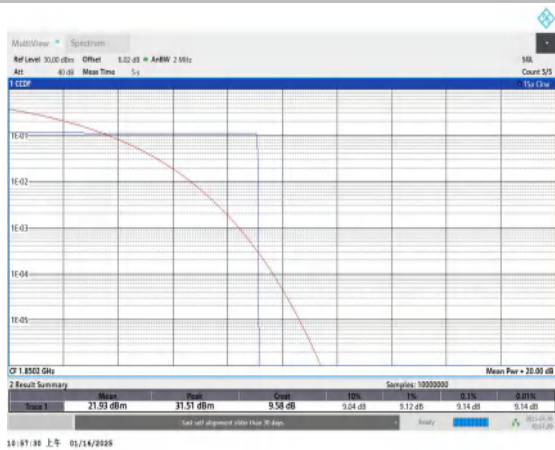
EGPRS850-190-8-PASS



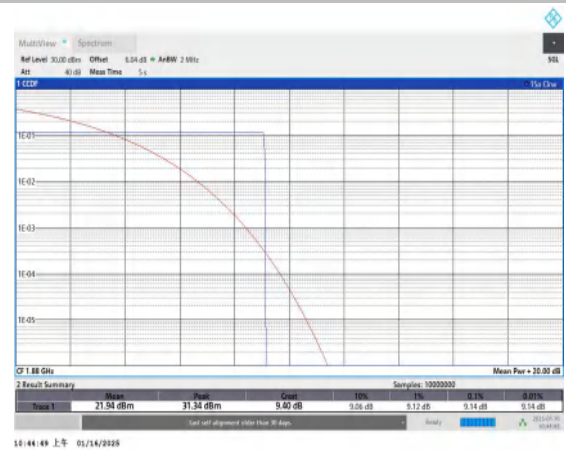
EGPRS850-251-8-PASS



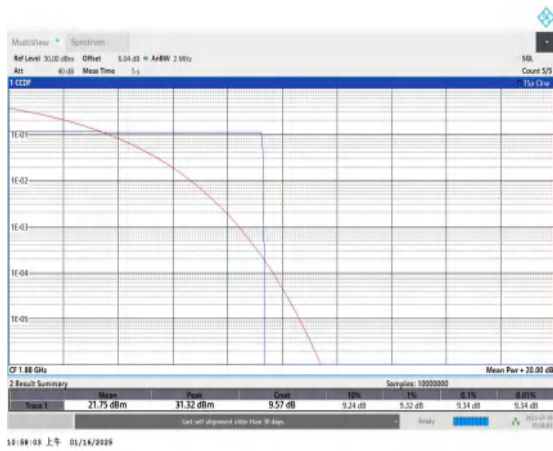
GSM1900-512-0-PASS



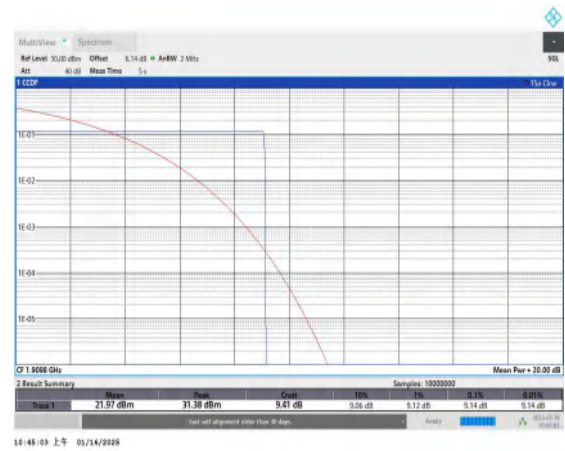
GPRS1900-512-0-PASS



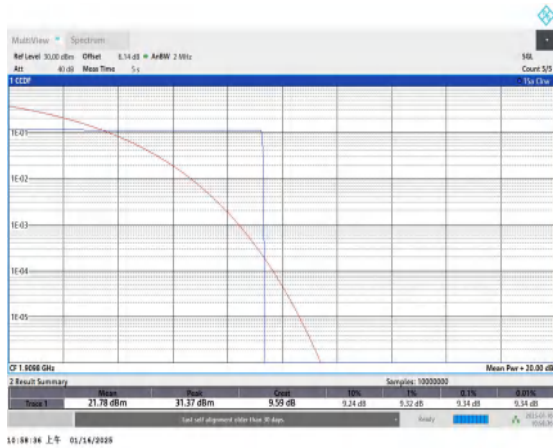
GSM1900-661-0-PASS



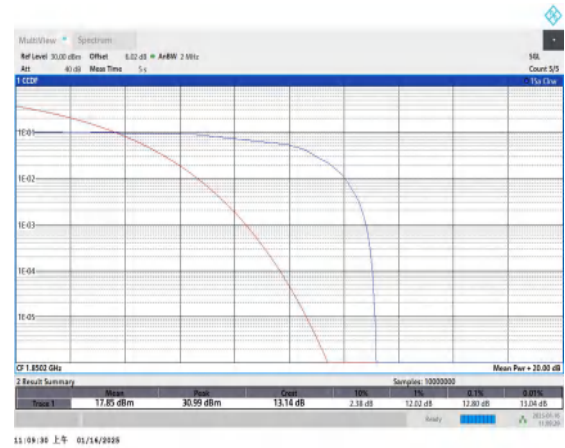
GPRS1900-661-0-PASS



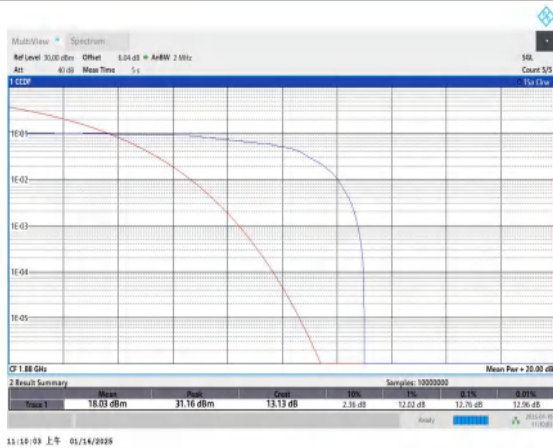
GSM1900-810-0-PASS



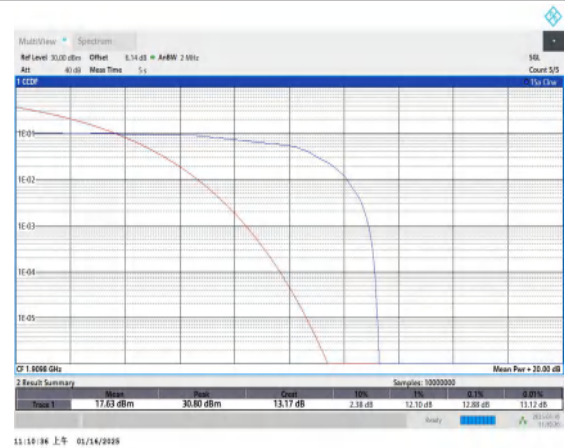
GPRS1900-810-0-PASS



EGPRS1900-512-2-PASS



EGPRS1900-661-2-PASS



EGPRS1900-810-2-PASS



Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

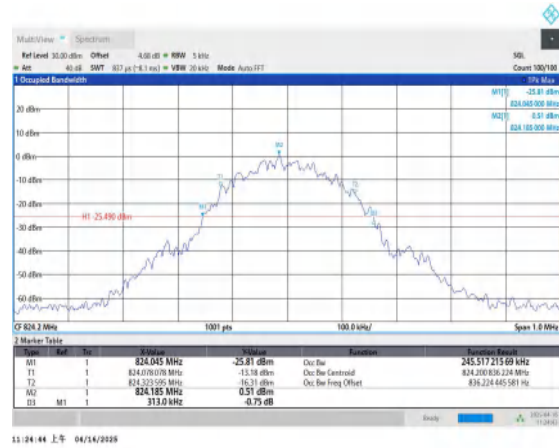
Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GSM850	128	0.243	0.32	---	PASS
GPRS850	128	0.246	0.31	---	PASS
GSM850	190	0.25	0.31	---	PASS
GPRS850	190	0.246	0.31	---	PASS
GSM850	251	0.251	0.31	---	PASS
GPRS850	251	0.251	0.32	---	PASS
EGPRS850	128	0.251	0.32	---	PASS
EGPRS850	190	0.244	0.31	---	PASS
EGPRS850	251	0.244	0.32	---	PASS
GSM1900	512	0.243	0.31	---	PASS
GPRS1900	512	0.25	0.32	---	PASS
GSM1900	661	0.249	0.31	---	PASS
GPRS1900	661	0.246	0.31	---	PASS
GSM1900	810	0.243	0.32	---	PASS
GPRS1900	810	0.242	0.32	---	PASS
EGPRS1900	512	0.244	0.31	---	PASS
EGPRS1900	661	0.238	0.29	---	PASS
EGPRS1900	810	0.245	0.29	---	PASS



Test Graphs



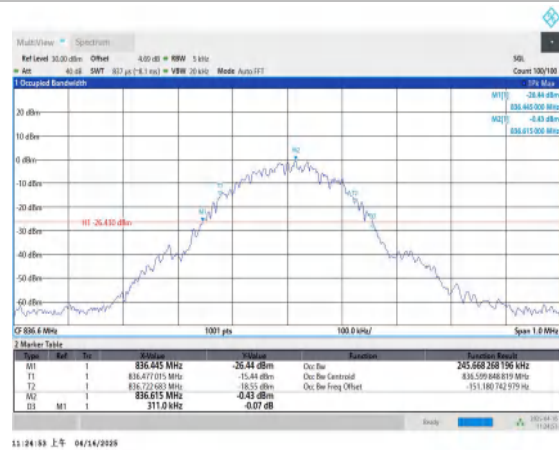
GSM850-128-5-PASS



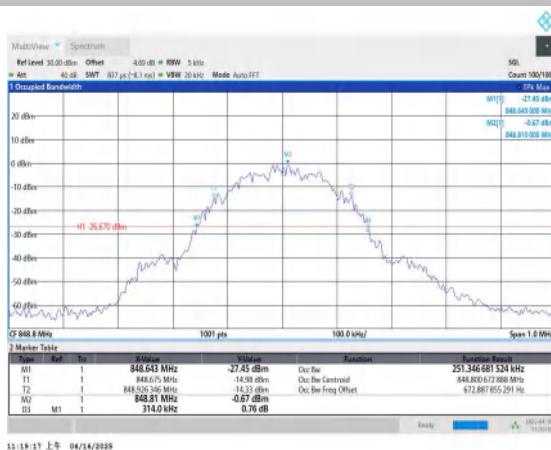
GPRS850-128-5-PASS



GSM850-190-5-PASS



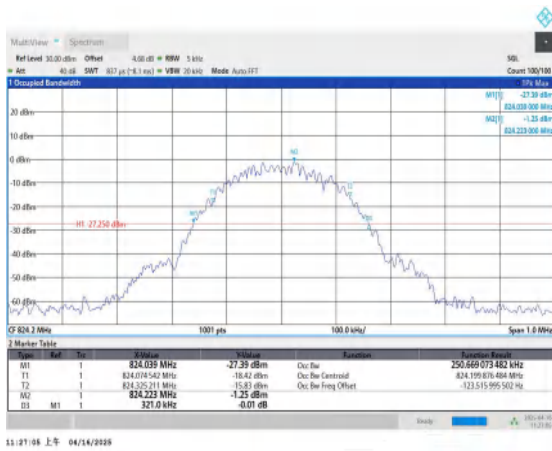
GPRS850-190-5-PASS



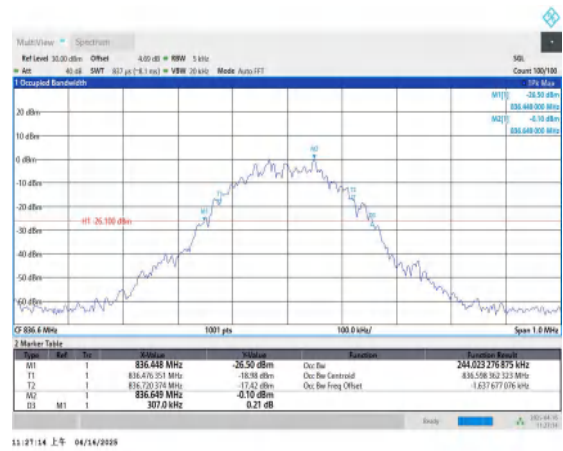
GSM850-251-5-PASS



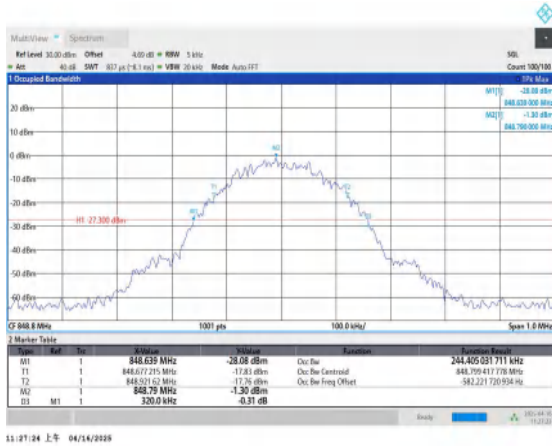
GPRS850-251-5-PASS



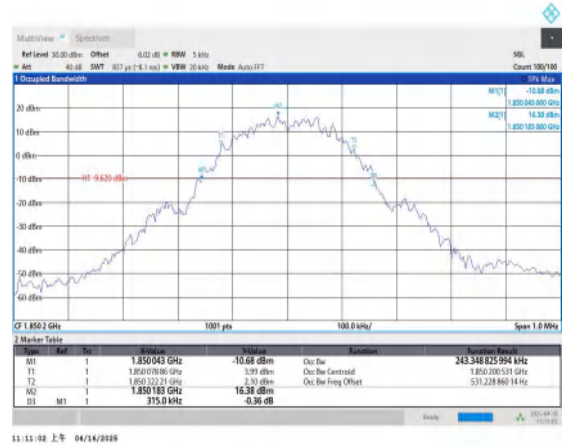
EGPRS850-128-8-PASS



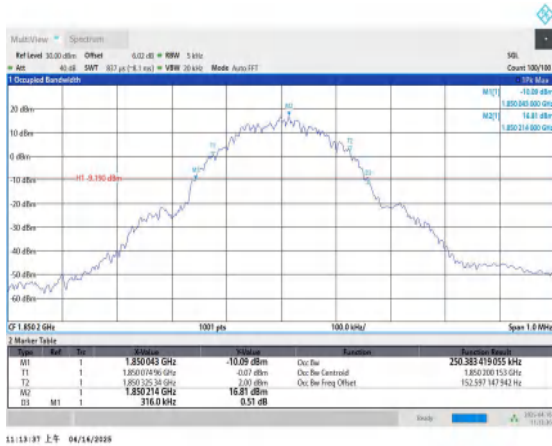
EGPRS850-190-8-PASS



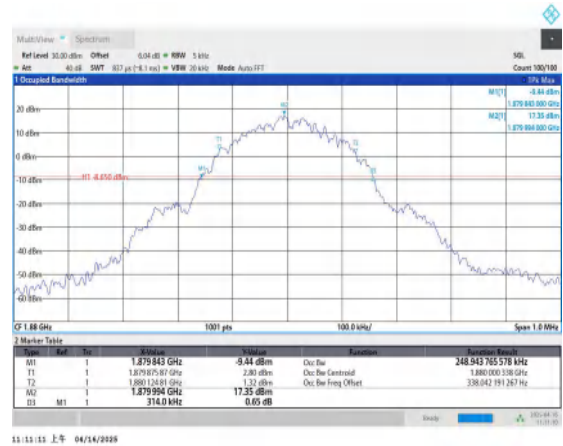
EGPRS850-251-8-PASS



GSM1900-512-0-PASS



GPRS1900-512-0-PASS



GSM1900-661-0-PASS



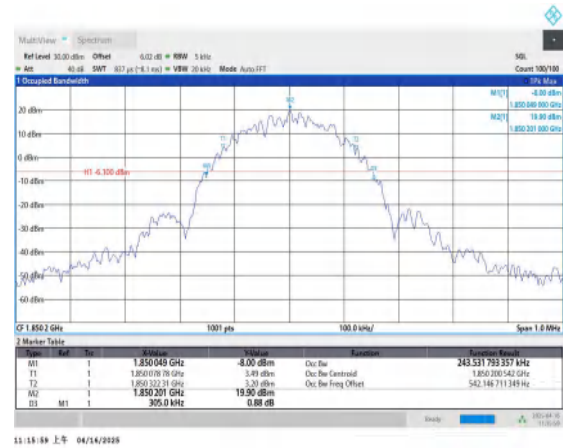
GPRS1900-661-0-PASS



GSM1900-810-0-PASS



GPRS1900-810-0-PASS



EGPRS1900-512-2-PASS



EGPRS1900-661-2-PASS



EGPRS1900-810-2-PASS



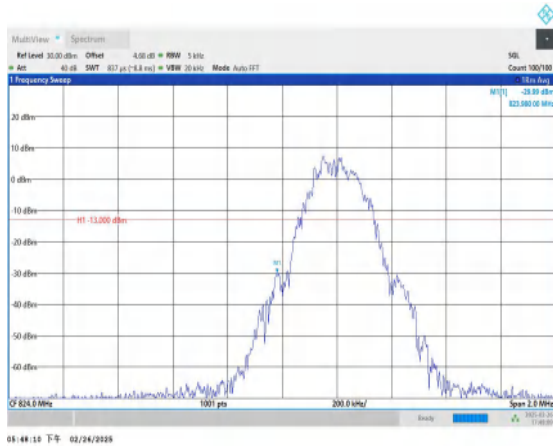
Appendix D: Band Edge

Test Result

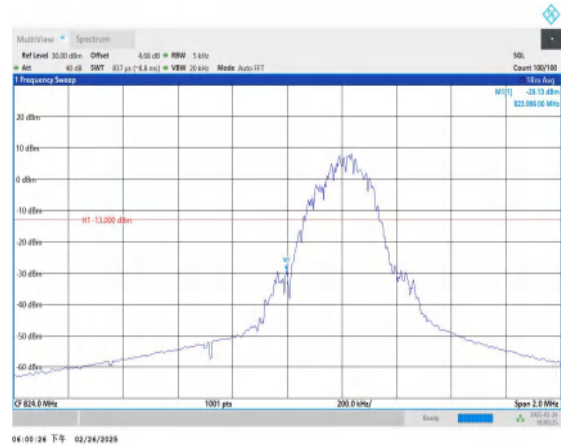
Band	Channel	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GSM850	128	823.98	-29.99	-13	PASS
GPRS850	128	824.00	-29.13	-13	PASS
GSM850	251	849.02	-24.12	-13	PASS
GPRS850	251	849.02	-24.63	-13	PASS
EGPRS850	128	823.98	-34.91	-13	PASS
EGPRS850	251	849.01	-35.20	-13	PASS
GSM1900	512	1849.98	-27.23	-13	PASS
GPRS1900	512	1849.98	-34.10	-13	PASS
GSM1900	810	1910.02	-26.27	-13	PASS
GPRS1900	810	1910.02	-26.96	-13	PASS
EGPRS1900	512	1849.99	-35.94	-13	PASS
EGPRS1900	810	1910.04	-36.25	-13	PASS



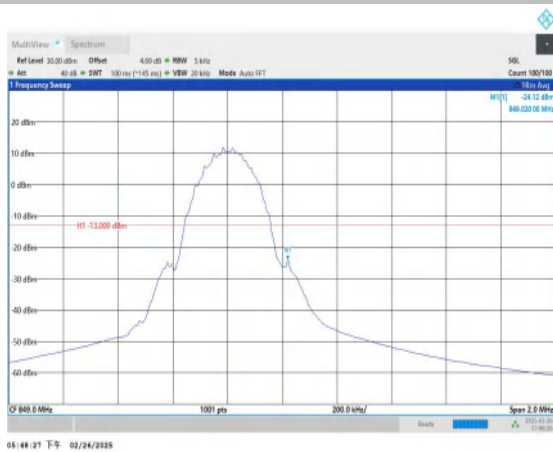
Test Graphs



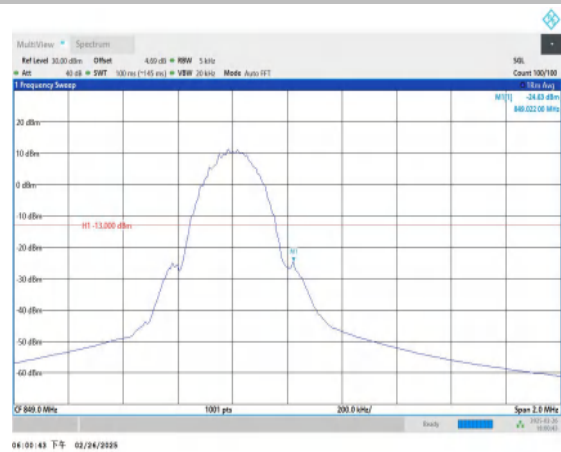
GSM850-128-5-PASS



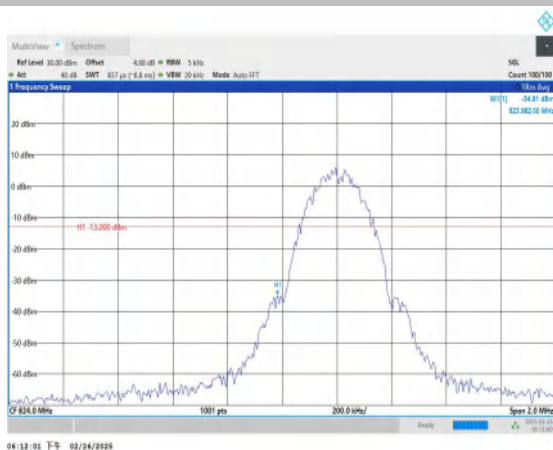
GPRS850-128-5-PASS



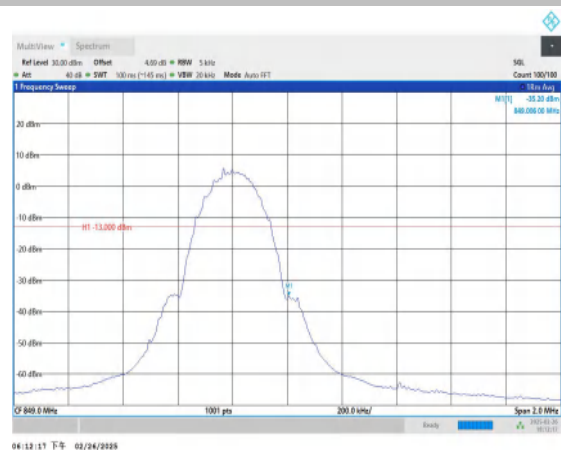
GSM850-251-5-PASS



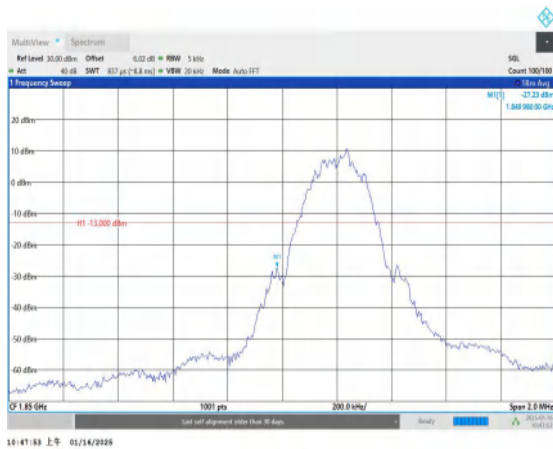
GPRS850-251-5-PASS



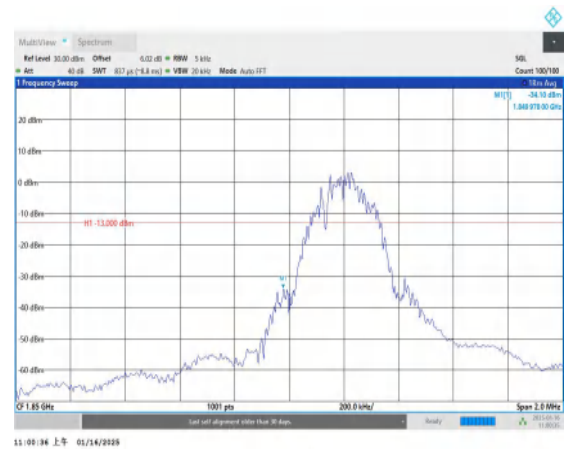
EGPRS850-128-8-PASS



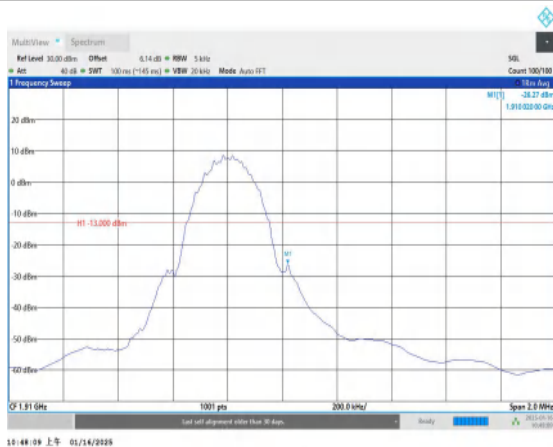
EGPRS850-251-8-PASS



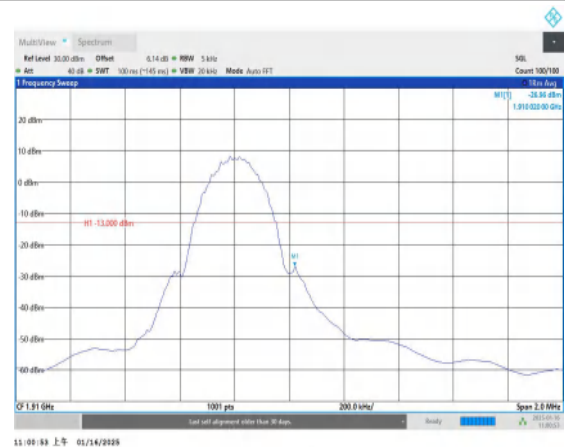
GSM1900-512-0-PASS



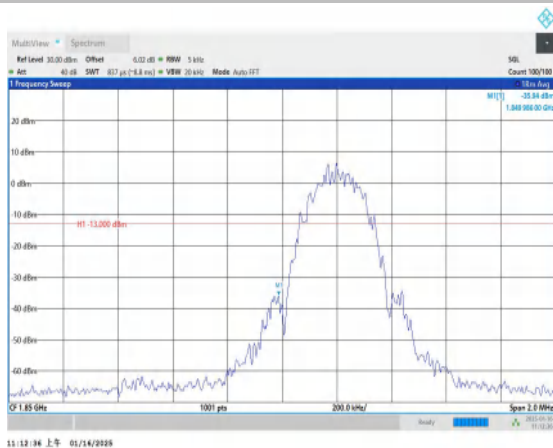
GPRS1900-512-0-PASS



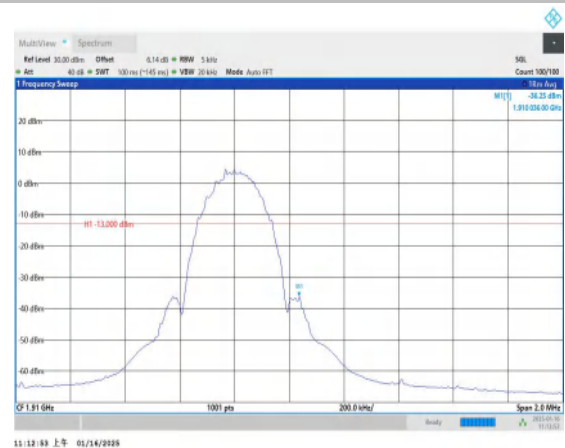
GSM1900-810-0-PASS



GPRS1900-810-0-PASS



EGPRS1900-512-2-PASS



EGPRS1900-810-2-PASS

**Appendix E: Conducted Spurious Emission****Test Result**

Band	Channel	Frequency Range(MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
GSM850	128	0.009~0.15MHz	0.01	-56.66	-33	PASS
GPRS850	128	0.009~0.15MHz	0.01	-58.72	-33	PASS
GSM850	128	0.15~30MHz	0.15	-67.54	-23	PASS
GPRS850	128	0.15~30MHz	0.15	-67.74	-23	PASS
GSM850	128	30~1000MHz	34.43	-50.14	-13	PASS
GPRS850	128	30~1000MHz	35.11	-50.57	-13	PASS
GSM850	128	1000~10000MHz	2472.5	-31.61	-13	PASS
GPRS850	128	1000~10000MHz	1648.43	-34.79	-13	PASS
GSM850	190	0.009~0.15MHz	0.01	-56.7	-33	PASS
GPRS850	190	0.009~0.15MHz	0.01	-58.61	-33	PASS
GSM850	190	0.15~30MHz	0.15	-67.49	-23	PASS
GPRS850	190	0.15~30MHz	0.15	-67.71	-23	PASS
GSM850	190	30~1000MHz	32.33	-50.73	-13	PASS
GPRS850	190	30~1000MHz	35.76	-50.26	-13	PASS
GSM850	190	1000~10000MHz	2509.7	-28.35	-13	PASS
GPRS850	190	1000~10000MHz	1672.73	-38.57	-13	PASS
GSM850	251	0.009~0.15MHz	0.01	-56.64	-33	PASS
GPRS850	251	0.009~0.15MHz	0.01	-58.61	-33	PASS
GSM850	251	0.15~30MHz	0.15	-67.5	-23	PASS
GPRS850	251	0.15~30MHz	0.15	-67.78	-23	PASS
GSM850	251	30~1000MHz	33.94	-50.13	-13	PASS
GPRS850	251	30~1000MHz	32.62	-50.43	-13	PASS
GSM850	251	1000~10000MHz	1697.63	-35.56	-13	PASS
GPRS850	251	1000~10000MHz	2546.3	-32.08	-13	PASS
EGPRS850	128	0.009~0.15MHz	0.01	-58.71	-33	PASS
EGPRS850	128	0.15~30MHz	0.15	-67.75	-23	PASS
EGPRS850	128	30~1000MHz	33.82	-50.39	-13	PASS
EGPRS850	128	1000~10000MHz	7498.23	-49.37	-13	PASS
EGPRS850	190	0.009~0.15MHz	0.01	-58.62	-33	PASS
EGPRS850	190	0.15~30MHz	0.15	-67.75	-23	PASS
EGPRS850	190	30~1000MHz	31.58	-50.19	-13	PASS
EGPRS850	190	1000~10000MHz	1673.33	-44.65	-13	PASS
EGPRS850	251	0.009~0.15MHz	0.01	-58.62	-33	PASS
EGPRS850	251	0.15~30MHz	0.15	-67.71	-23	PASS



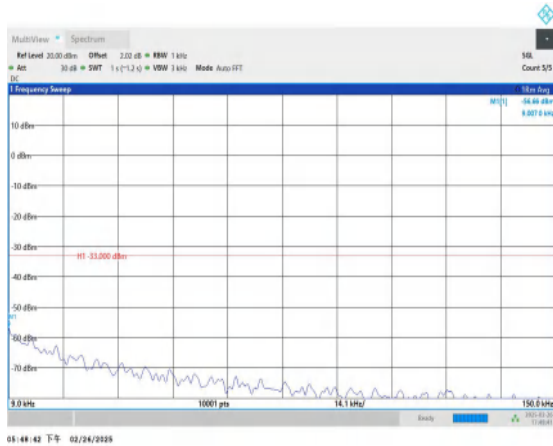
EGPRS850	251	30~1000MHz	34.72	-49.9	-13	PASS
EGPRS850	251	1000~10000MHz	2546.6	-45.04	-13	PASS
GSM1900	512	0.009~0.15MHz	0.12	-81.74	-43	PASS
GPRS1900	512	0.009~0.15MHz	0.12	-81.31	-43	PASS
GSM1900	512	0.15~30MHz	29.79	-67.99	-33	PASS
GPRS1900	512	0.15~30MHz	29.94	-67.99	-33	PASS
GSM1900	512	30~1000MHz	35.32	-46.59	-13	PASS
GPRS1900	512	30~1000MHz	34.41	-46.51	-13	PASS
GSM1900	512	1000~3000MHz	2926.73	-39.36	-13	PASS
GPRS1900	512	1000~3000MHz	2991.67	-39.38	-13	PASS
GSM1900	512	3000~18000MHz	7477.1	-47.44	-13	PASS
GPRS1900	512	3000~18000MHz	7495.6	-47.07	-13	PASS
GSM1900	661	0.009~0.15MHz	0.12	-81.47	-43	PASS
GPRS1900	661	0.009~0.15MHz	0.12	-81.42	-43	PASS
GSM1900	661	0.15~30MHz	30	-68.01	-33	PASS
GPRS1900	661	0.15~30MHz	29.95	-68	-33	PASS
GSM1900	661	30~1000MHz	35.74	-46.76	-13	PASS
GPRS1900	661	30~1000MHz	34.61	-46.73	-13	PASS
GSM1900	661	1000~3000MHz	2993.07	-39.2	-13	PASS
GPRS1900	661	1000~3000MHz	2979.47	-39.15	-13	PASS
GSM1900	661	3000~18000MHz	7495.6	-47.33	-13	PASS
GPRS1900	661	3000~18000MHz	7471.1	-47.48	-13	PASS
GSM1900	810	0.009~0.15MHz	0.12	-81.24	-43	PASS
GPRS1900	810	0.009~0.15MHz	0.12	-81.33	-43	PASS
GSM1900	810	0.15~30MHz	29.9	-68	-33	PASS
GPRS1900	810	0.15~30MHz	29.81	-68.01	-33	PASS
GSM1900	810	30~1000MHz	35.74	-46.68	-13	PASS
GPRS1900	810	30~1000MHz	33.73	-46.85	-13	PASS
GSM1900	810	1000~3000MHz	2988.27	-39.37	-13	PASS
GPRS1900	810	1000~3000MHz	2940	-39.32	-13	PASS
GSM1900	810	3000~18000MHz	7499.6	-47.38	-13	PASS
GPRS1900	810	3000~18000MHz	7499.1	-47.1	-13	PASS
EGPRS1900	512	0.009~0.15MHz	0.12	-81.29	-43	PASS
EGPRS1900	512	0.15~30MHz	29.96	-67.99	-33	PASS
EGPRS1900	512	30~1000MHz	35.22	-46.81	-13	PASS
EGPRS1900	512	1000~3000MHz	2972.73	-39.25	-13	PASS
EGPRS1900	512	3000~18000MHz	7484.6	-47.32	-13	PASS
EGPRS1900	661	0.009~0.15MHz	0.12	-81.67	-43	PASS
EGPRS1900	661	0.15~30MHz	29.9	-68.01	-33	PASS
EGPRS1900	661	30~1000MHz	35.93	-46.78	-13	PASS
EGPRS1900	661	1000~3000MHz	2949.33	-39.2	-13	PASS



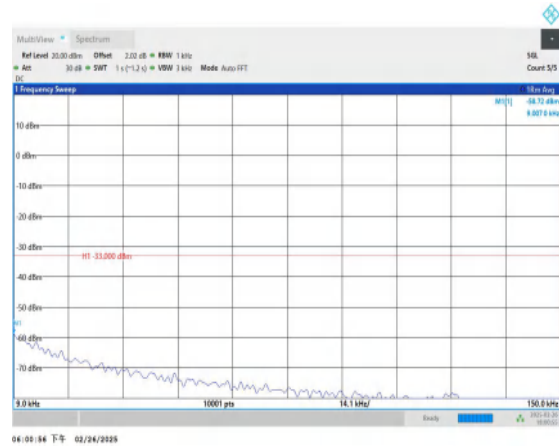
EGPRS1900	661	3000~18000MHz	7485.1	-47.3	-13	PASS
EGPRS1900	810	0.009~0.15MHz	0.12	-81.48	-43	PASS
EGPRS1900	810	0.15~30MHz	29.98	-68	-33	PASS
EGPRS1900	810	30~1000MHz	35.84	-46.77	-13	PASS
EGPRS1900	810	1000~3000MHz	2967.53	-39.07	-13	PASS
EGPRS1900	810	3000~18000MHz	7497.6	-47.32	-13	PASS



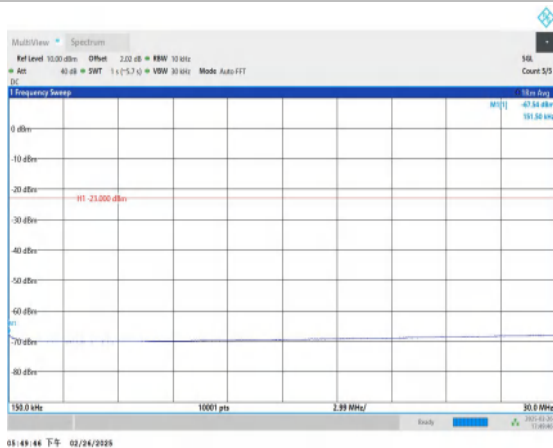
Test Graphs



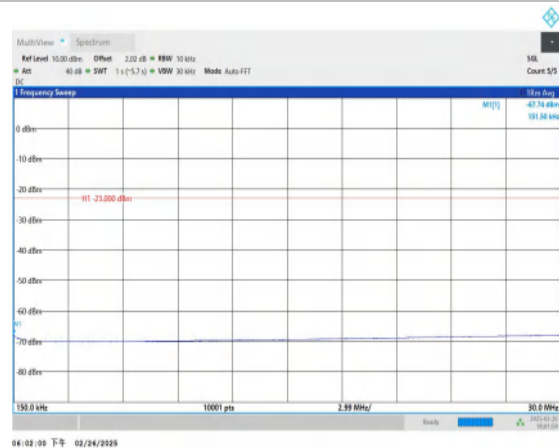
GSM850-128-5-0.009~0.15MHz-PASS



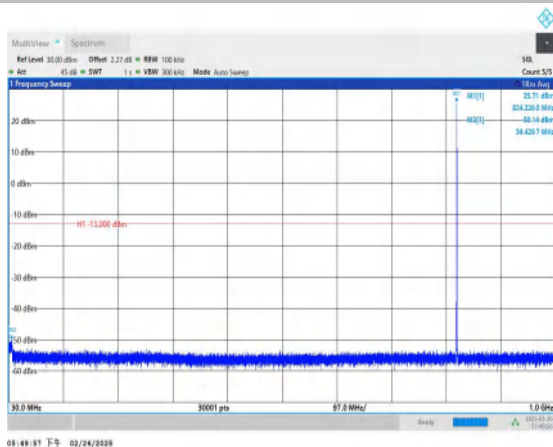
GPRS850-128-5-0.009~0.15MHz-PASS



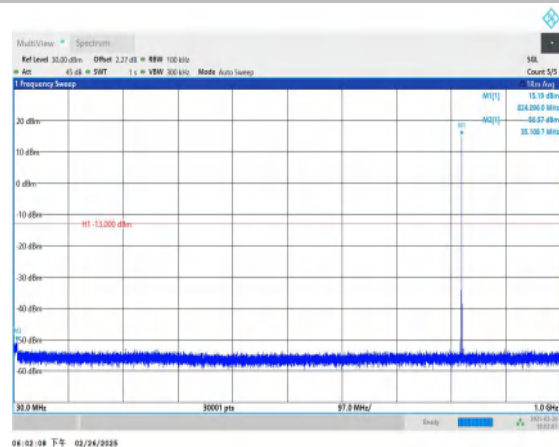
GSM850-128-5-0.15~30MHz-PASS



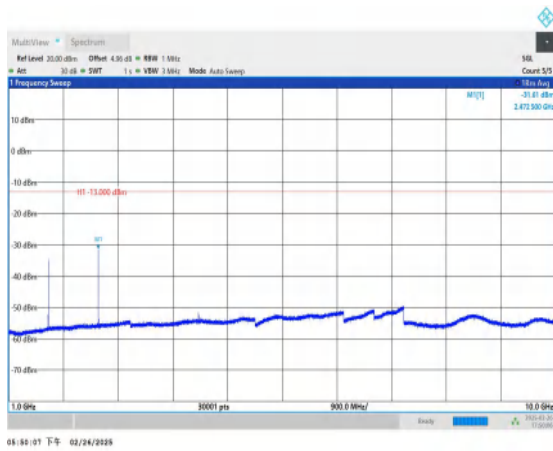
GPRS850-128-5-0.15~30MHz-PASS



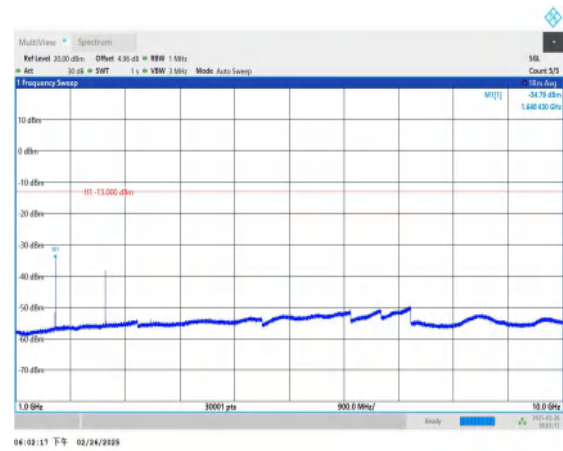
GSM850-128-5-30~1000MHz-PASS



GPRS850-128-5-30~1000MHz-PASS



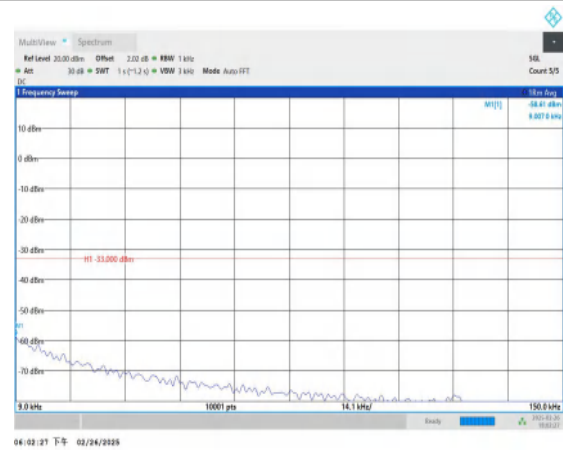
GSM850-128-5-1000~10000MHz-PASS



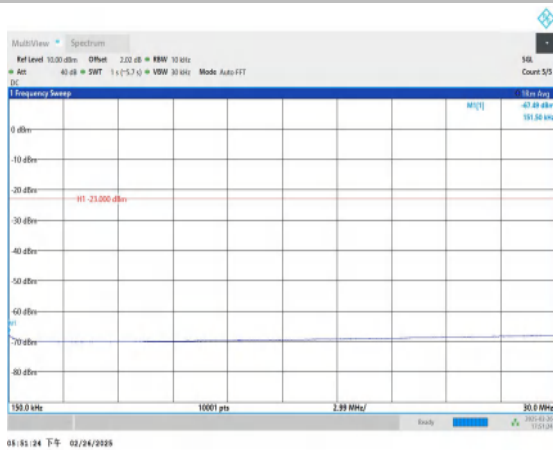
GPRS850-128-5-1000~10000MHz-PASS



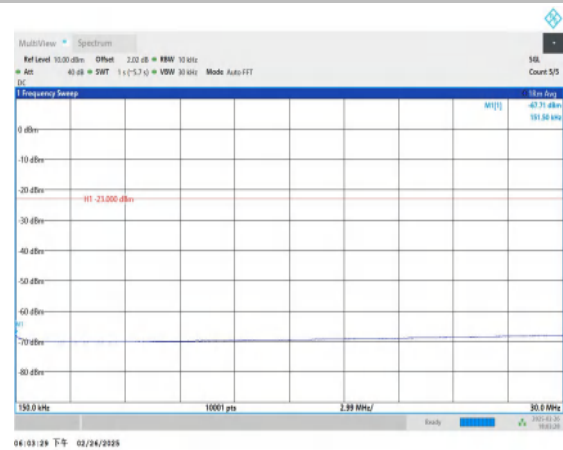
GSM850-190-5-0.009~0.15MHz-PASS



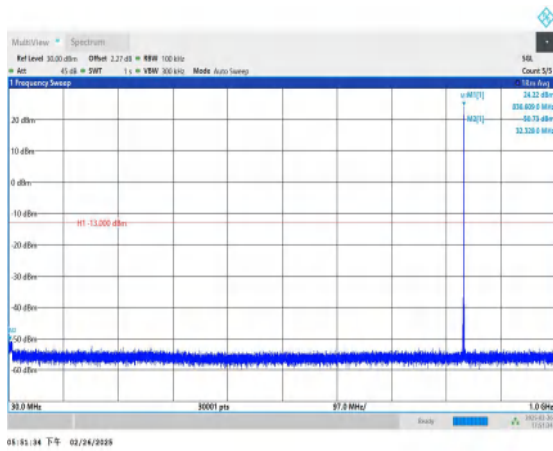
GPRS850-190-5-0.009~0.15MHz-PASS



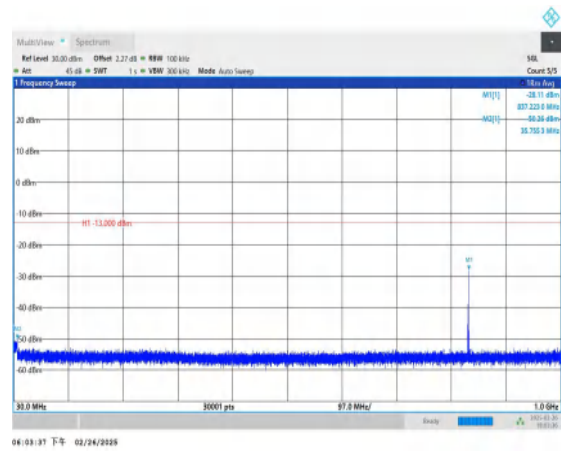
GSM850-190-5-0.15~30MHz-PASS



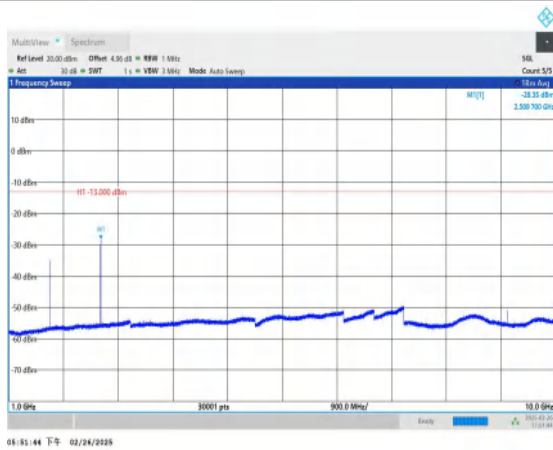
GPRS850-190-5-0.15~30MHz-PASS



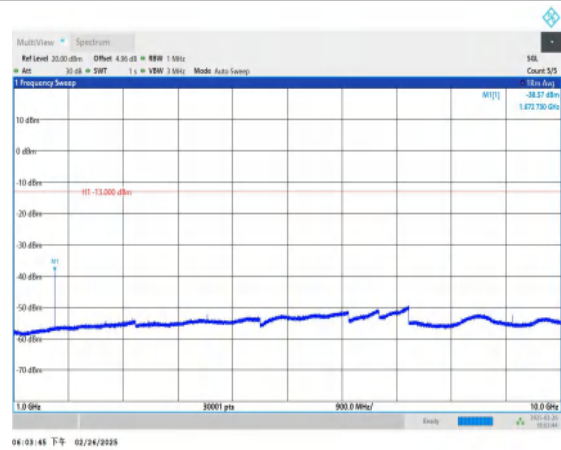
GSM850-190-5-30~1000MHz-PASS



GPRS850-190-5-30~1000MHz-PASS



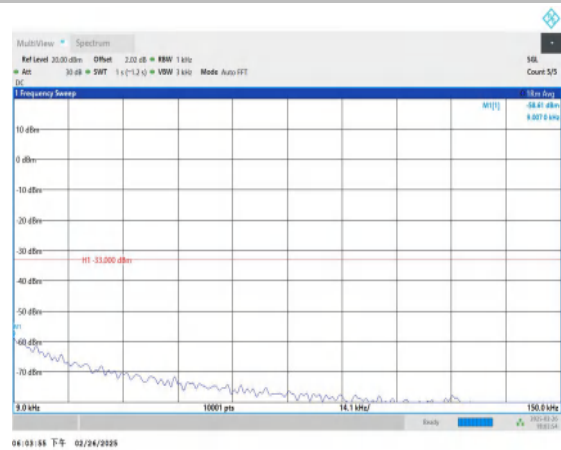
GSM850-190-5-1000~10000MHz-PASS



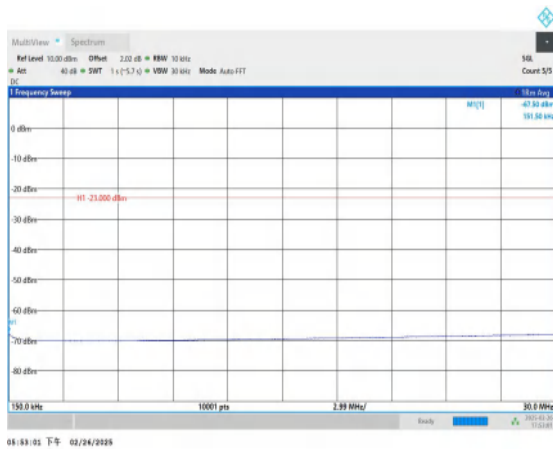
GPRS850-190-5-1000~10000MHz-PASS



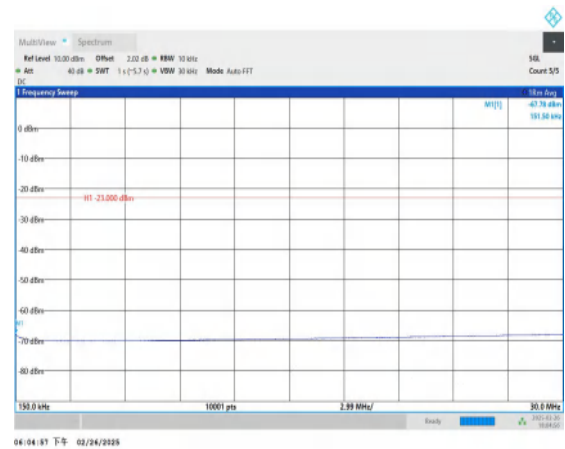
GSM850-251-5-0.009~0.15MHz-PASS



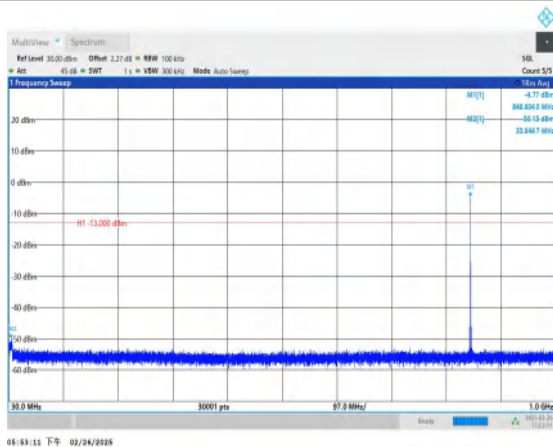
GPRS850-251-5-0.009~0.15MHz-PASS



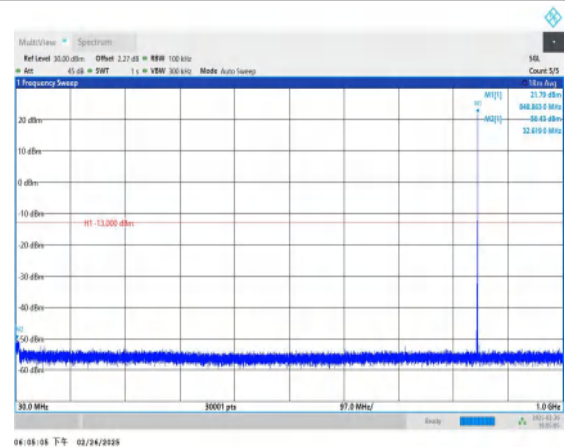
GSM850-251-5-0.15~30MHz-PASS



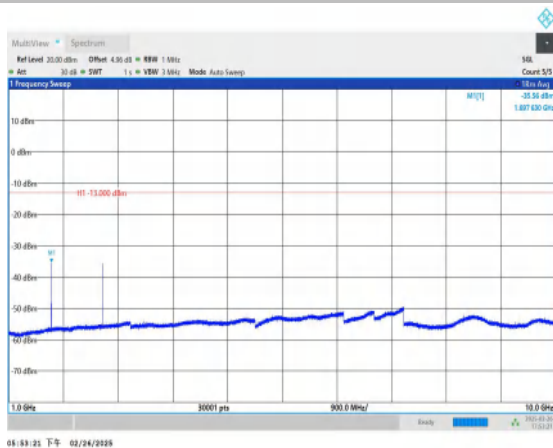
GPRS850-251-5-0.15~30MHz-PASS



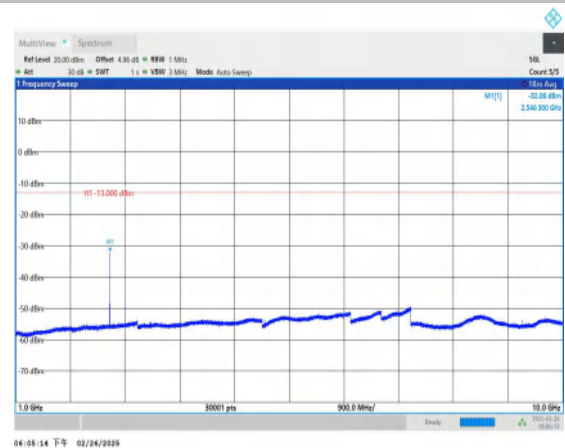
GSM850-251-5-30~1000MHz-PASS



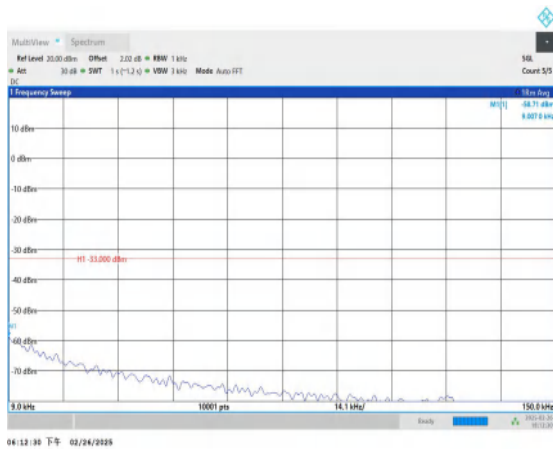
GPRS850-251-5-30~1000MHz-PASS



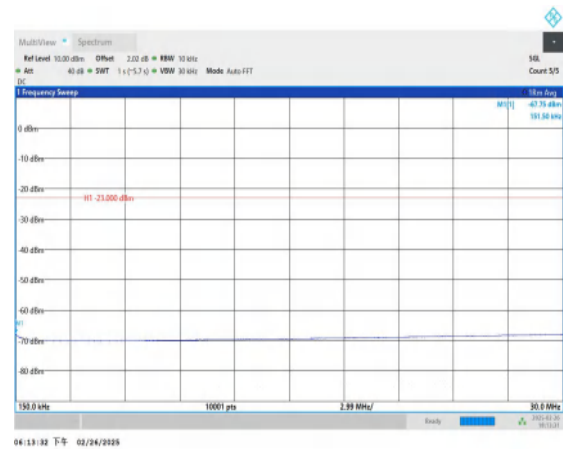
GSM850-251-5-1000~10000MHz-PASS



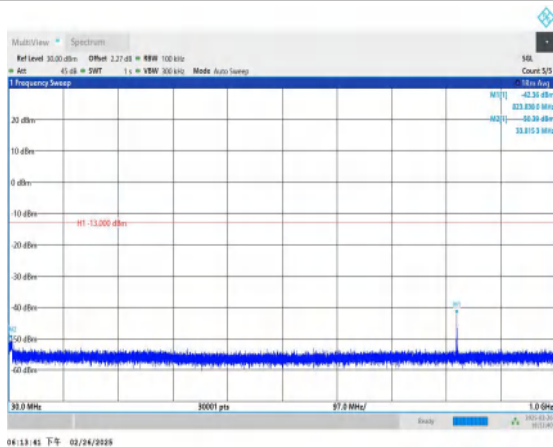
GPRS850-251-5-1000~10000MHz-PASS



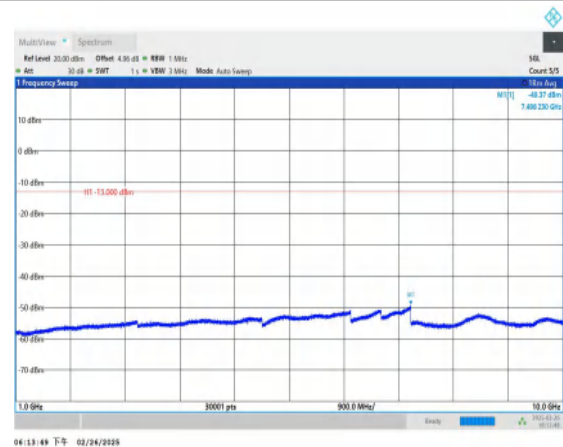
EGPRS850-128-8-0.009~0.15MHz-PASS



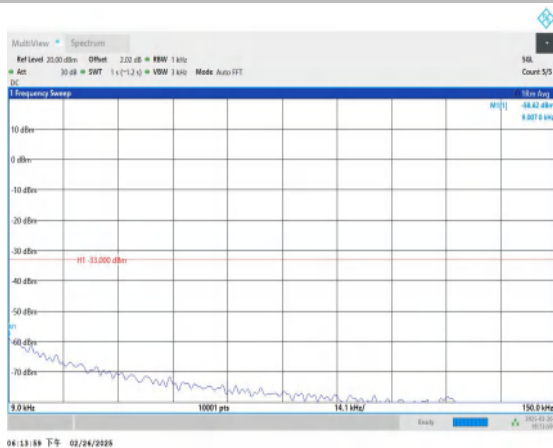
EGPRS850-128-8-0.15~30MHz-PASS



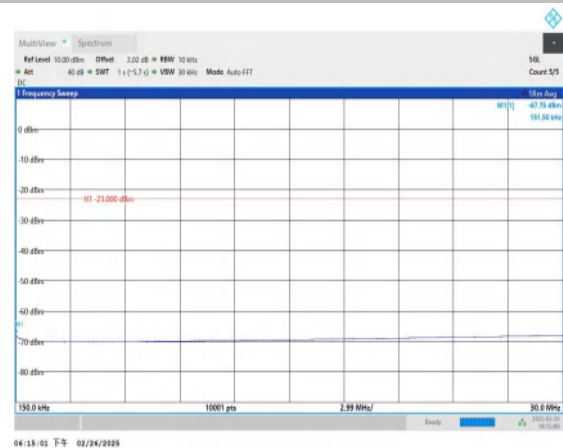
EGPRS850-128-8-30~1000MHz-PASS



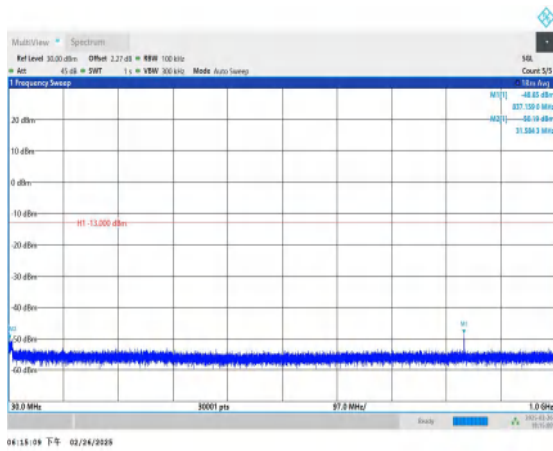
EGPRS850-128-8-1000~10000MHz-PASS



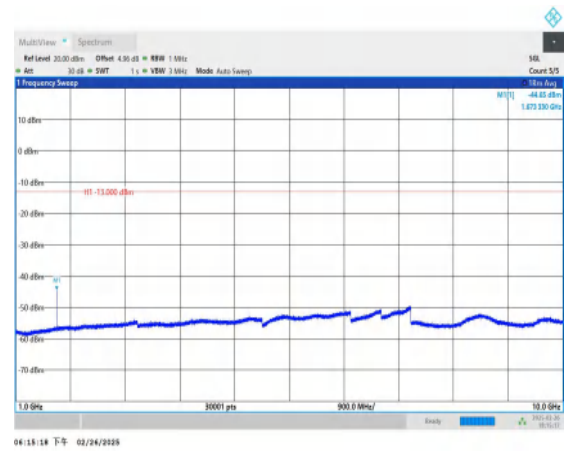
EGPRS850-190-8-0.009~0.15MHz-PASS



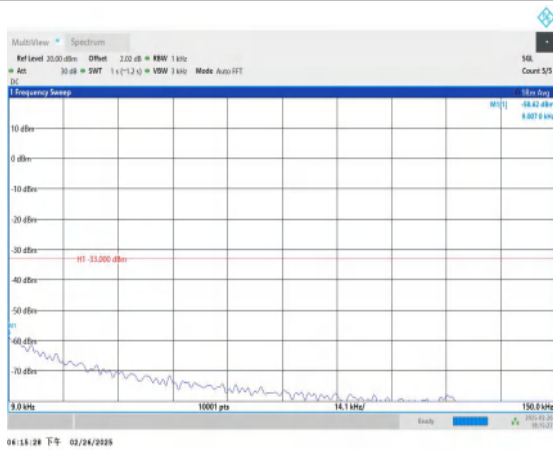
EGPRS850-190-8-0.15~30MHz-PASS



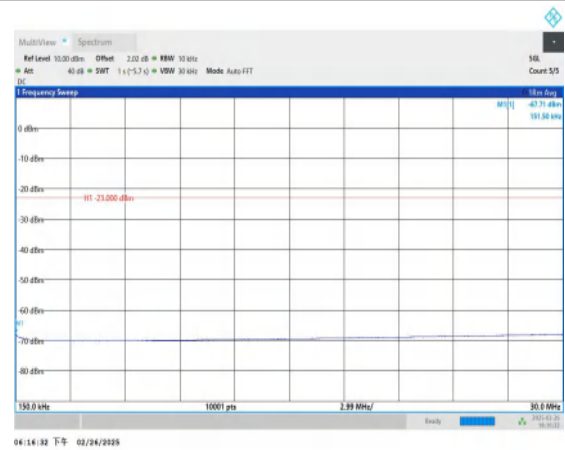
EGPRS850-190-8-30~1000MHz-PASS



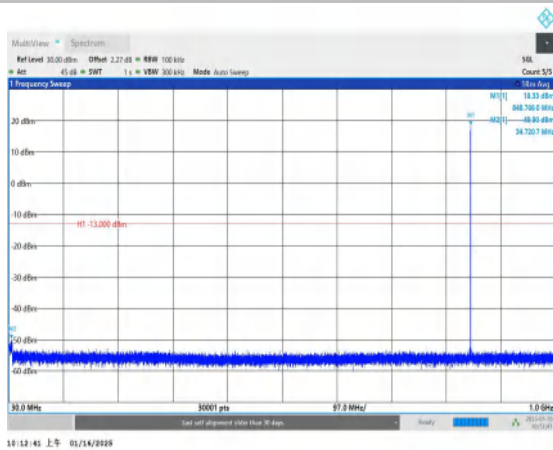
EGPRS850-190-8-1000~10000MHz-PASS



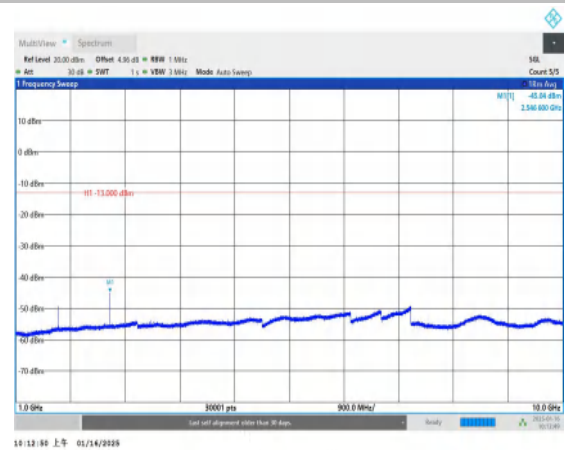
EGPRS850-251-8-0.009~0.15MHz-PASS



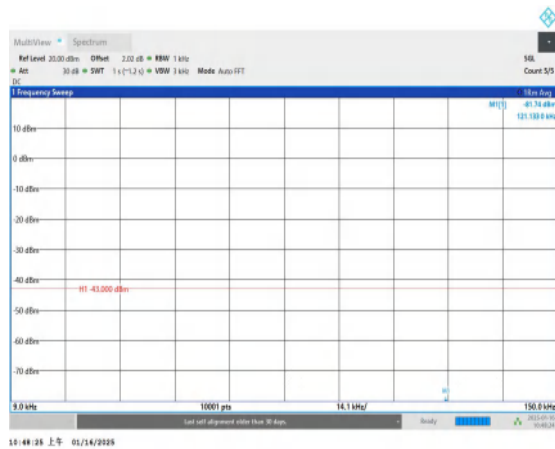
EGPRS850-251-8-0.15~30MHz-PASS



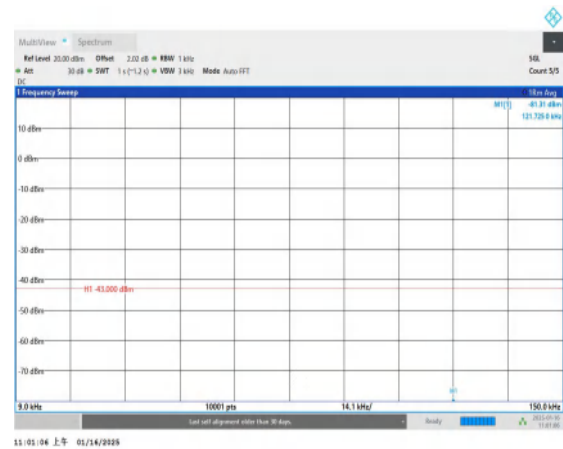
EGPRS850-251-8-30~1000MHz-PASS



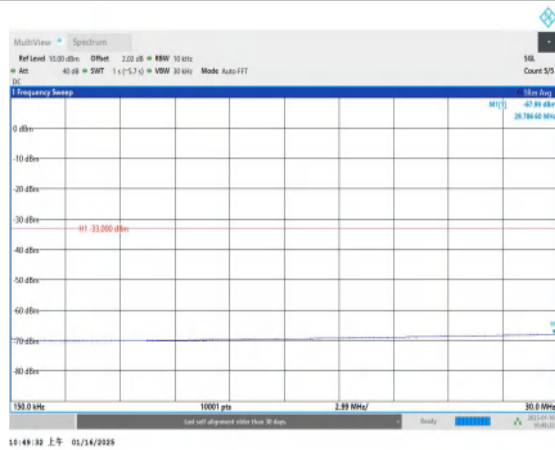
EGPRS850-251-8-1000~10000MHz-PASS



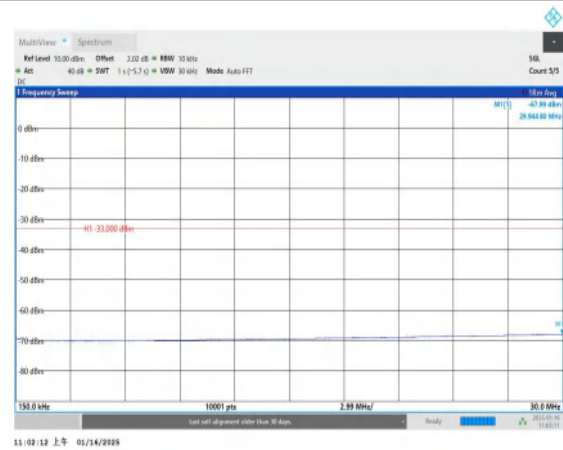
GSM1900-512-0-0.009~0.15MHz-PASS



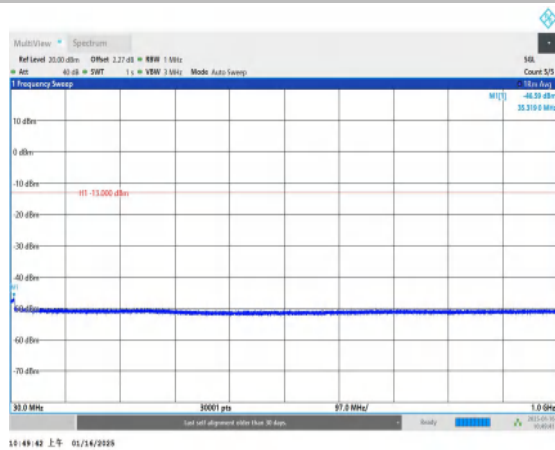
GPRS1900-512-0-0.009~0.15MHz-PASS



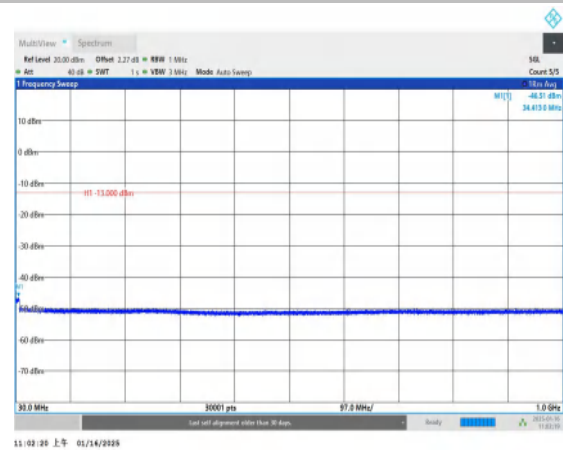
GSM1900-512-0-0.15~30MHz-PASS



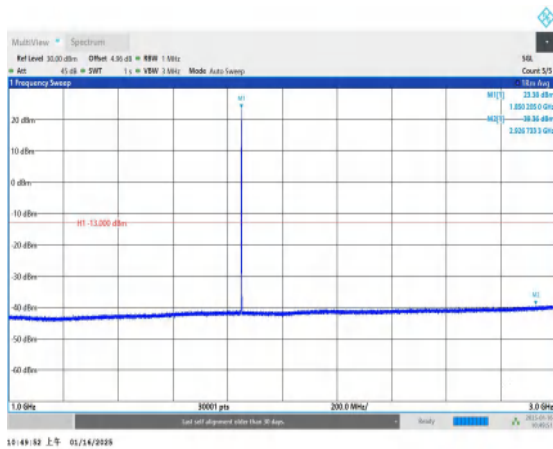
GPRS1900-512-0-0.15~30MHz-PASS



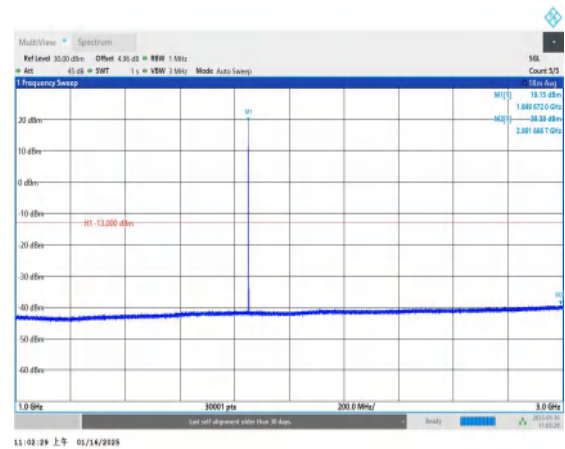
GSM1900-512-0-30~1000MHz-PASS



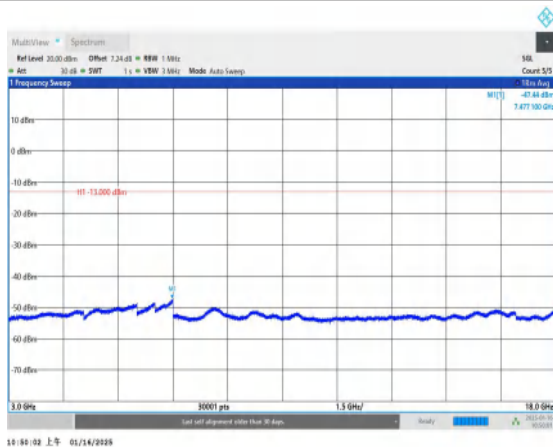
GPRS1900-512-0-30~1000MHz-PASS



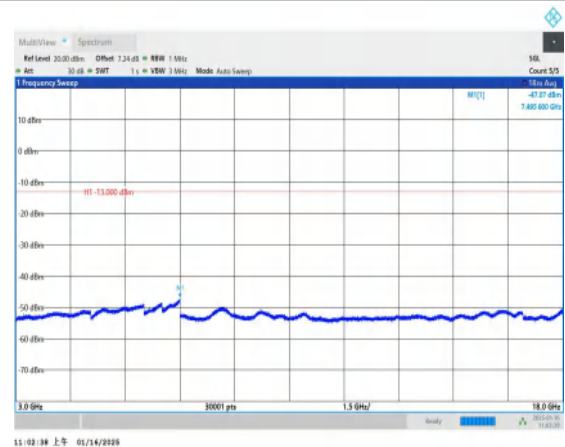
GSM1900-512-0-1000~3000MHz-PASS



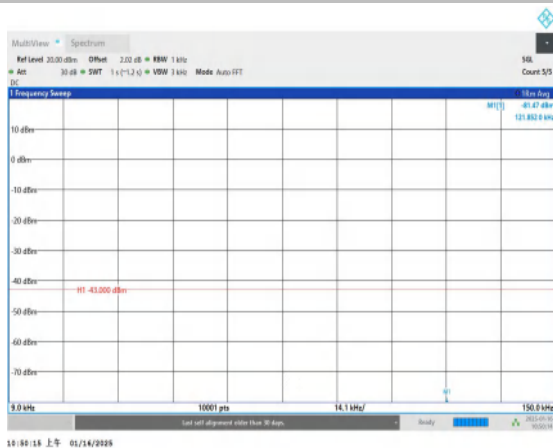
GPRS1900-512-0-1000~3000MHz-PASS



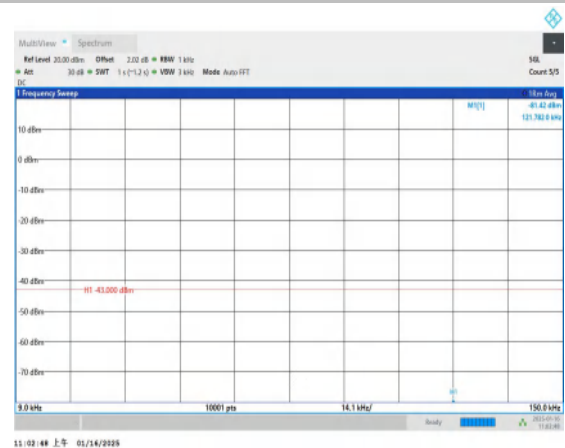
GSM1900-512-0-3000~18000MHz-PASS



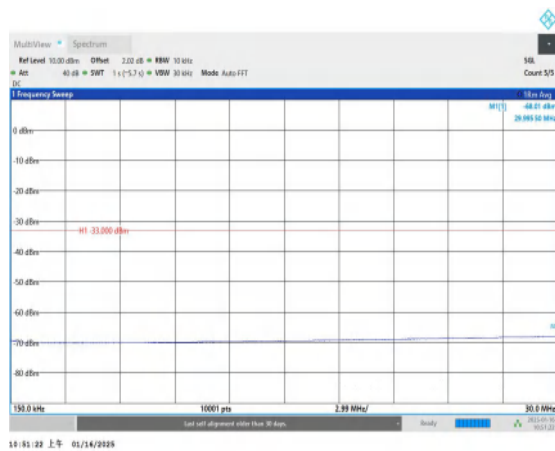
GPRS1900-512-0-3000~18000MHz-PASS



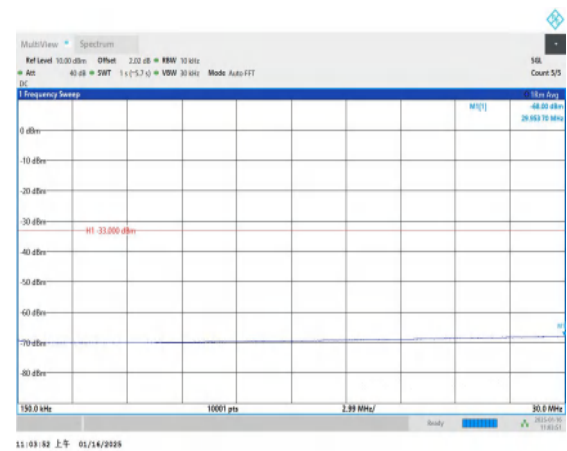
GSM1900-661-0-0.009~0.15MHz-PASS



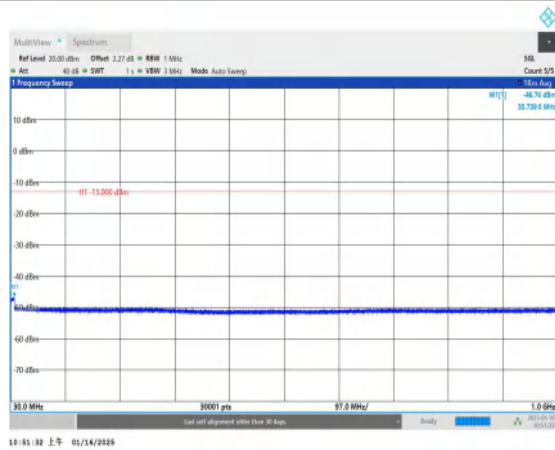
GPRS1900-661-0-0.009~0.15MHz-PASS



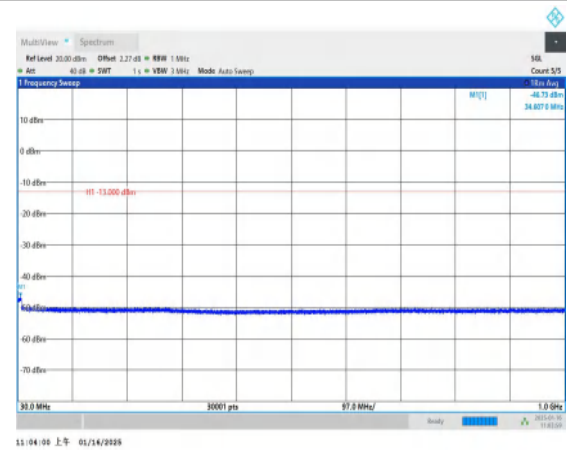
GSM1900-661-0-0.15~30MHz-PASS



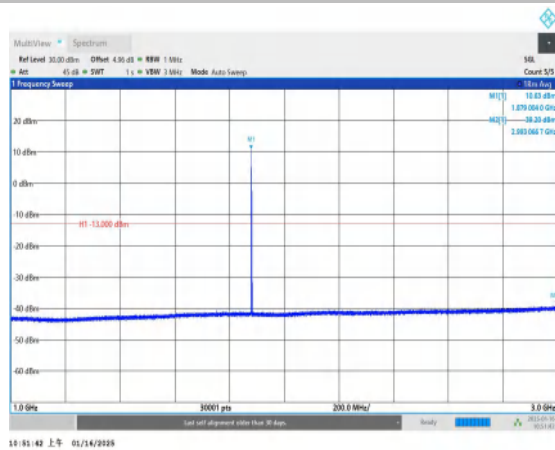
GPRS1900-661-0-0.15~30MHz-PASS



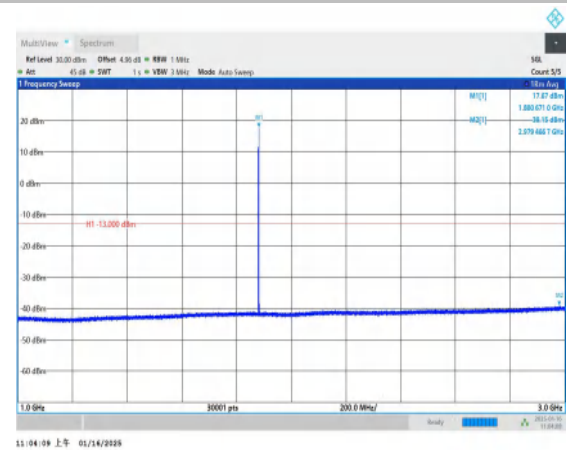
GSM1900-661-0-30~1000MHz-PASS



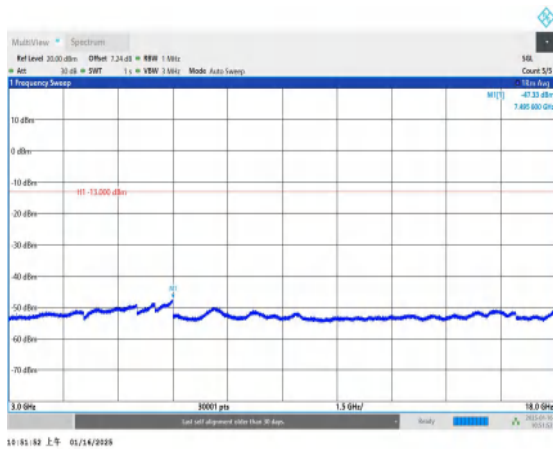
GPRS1900-661-0-30~1000MHz-PASS



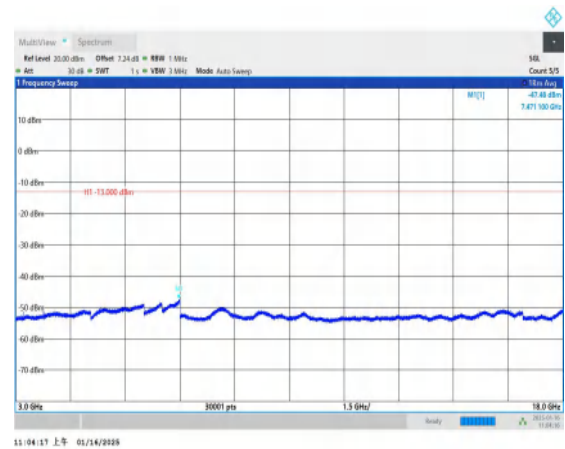
GSM1900-661-0-1000~3000MHz-PASS



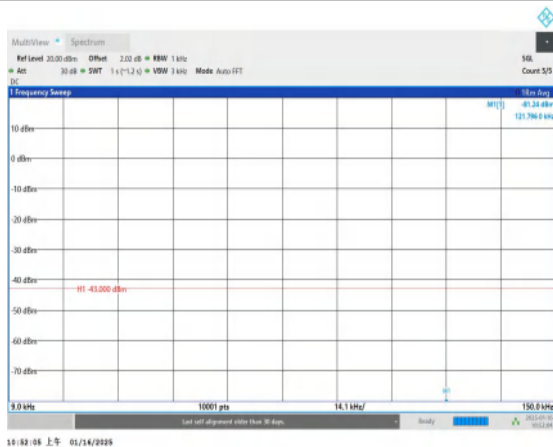
GPRS1900-661-0-1000~3000MHz-PASS



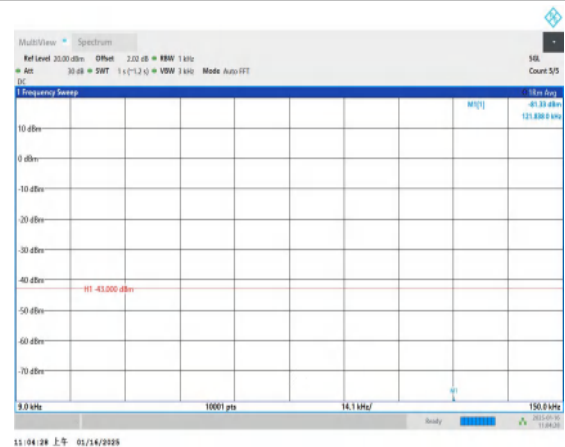
GSM1900-661-0-3000~18000MHz-PASS



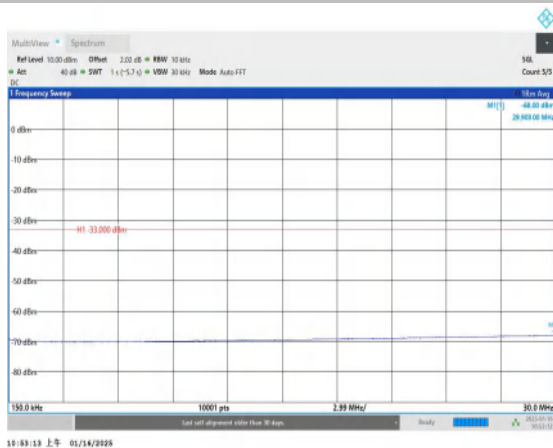
GPRS1900-661-0-3000~18000MHz-PASS



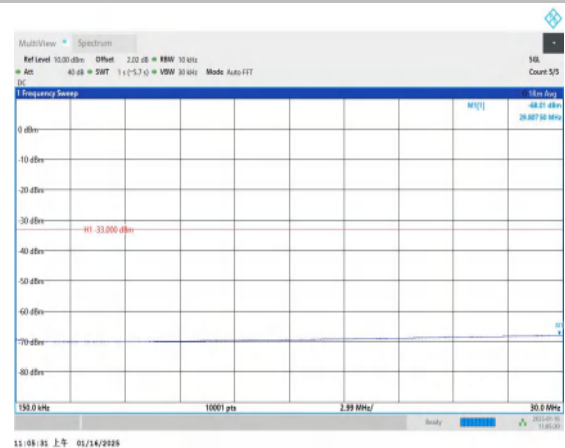
GSM1900-810-0-0.009~0.15MHz-PASS



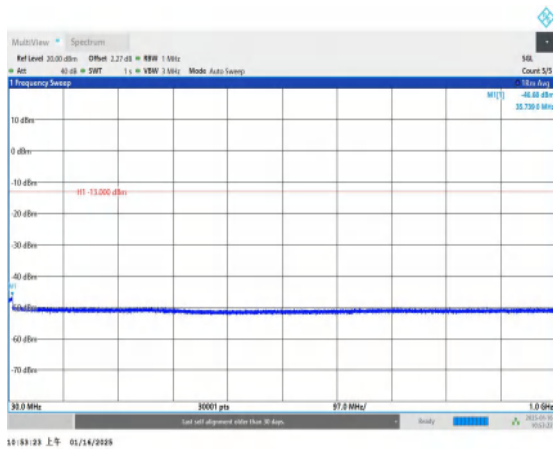
GPRS1900-810-0-0.009~0.15MHz-PASS



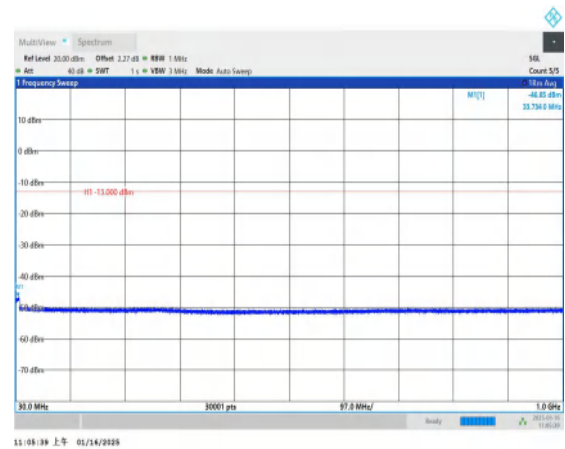
GSM1900-810-0-0.15~30MHz-PASS



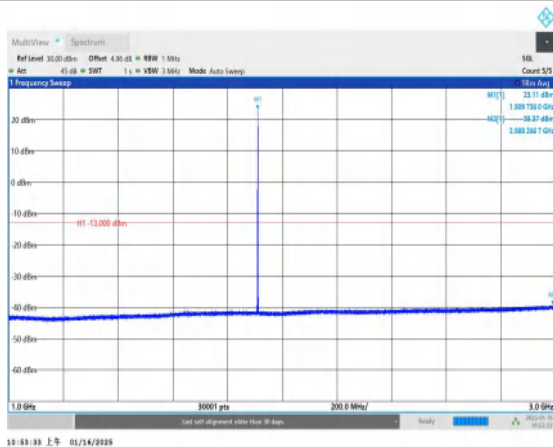
GPRS1900-810-0-0.15~30MHz-PASS



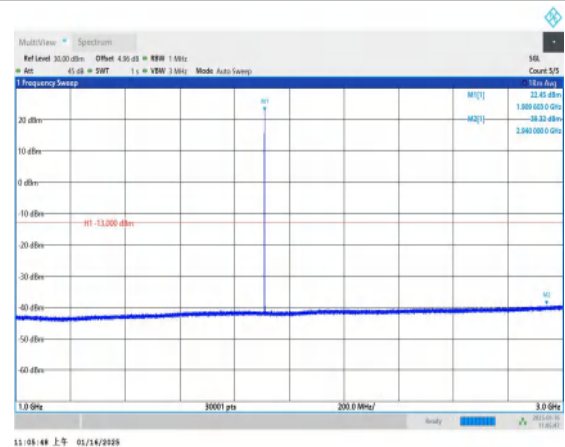
GSM1900-810-0-30~1000MHz-PASS



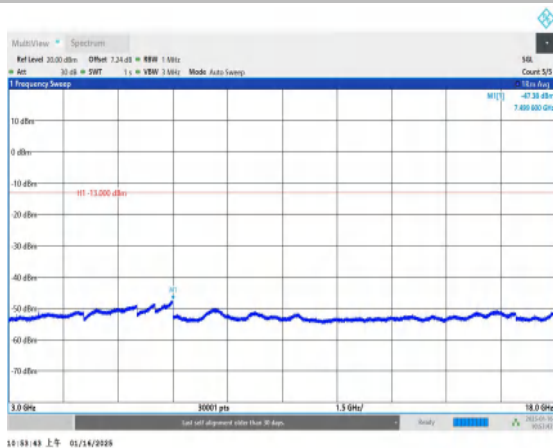
GPRS1900-810-0-30~1000MHz-PASS



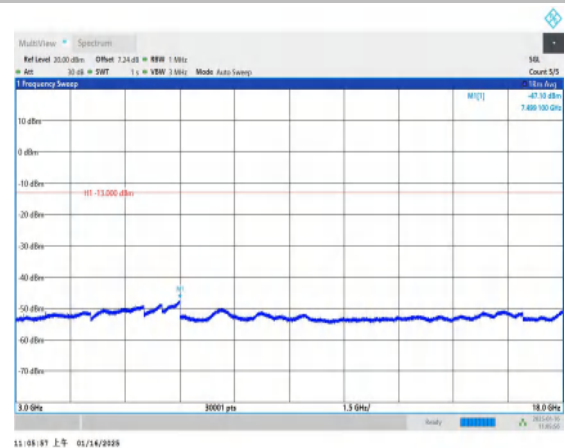
GSM1900-810-0-1000~3000MHz-PASS



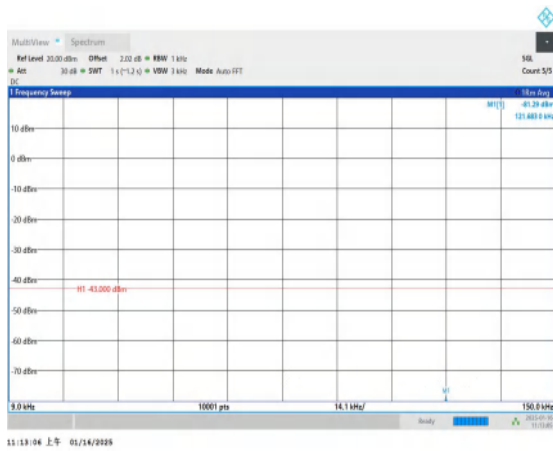
GPRS1900-810-0-1000~3000MHz-PASS



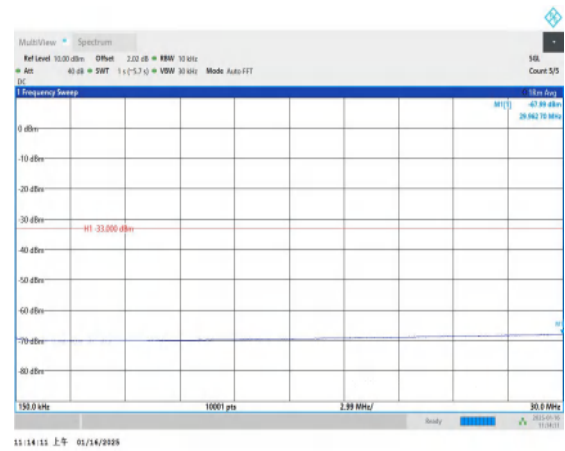
GSM1900-810-0-3000~18000MHz-PASS



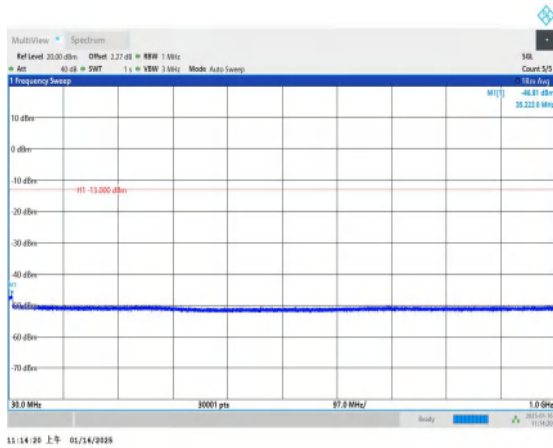
GPRS1900-810-0-3000~18000MHz-PASS



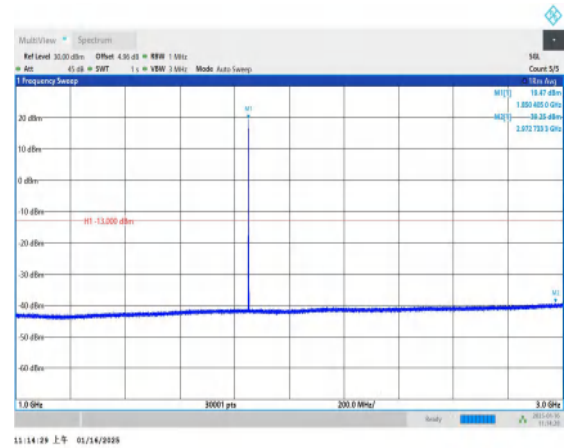
EGPRS1900-512-2-0.009~0.15MHz-PASS



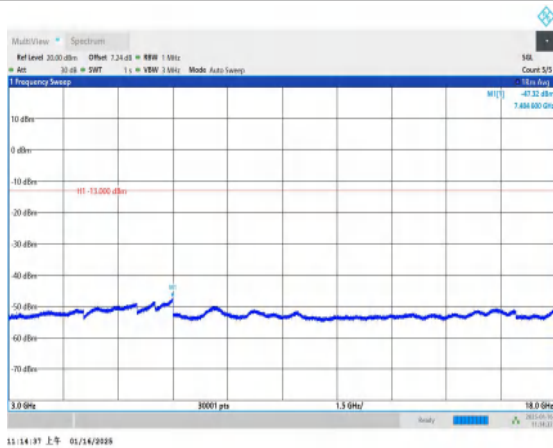
EGPRS1900-512-2-0.15~30MHz-PASS



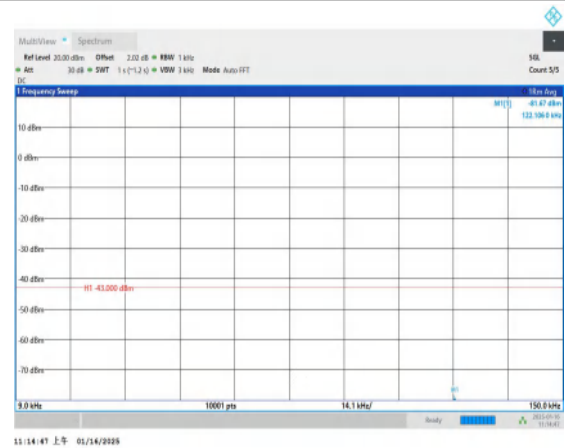
EGPRS1900-512-2-30~1000MHz-PASS



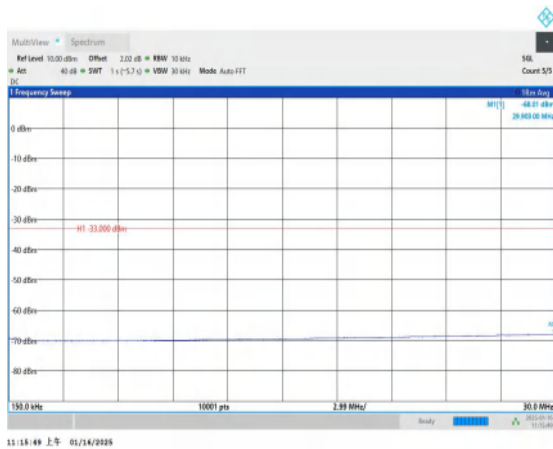
EGPRS1900-512-2-1000~3000MHz-PASS



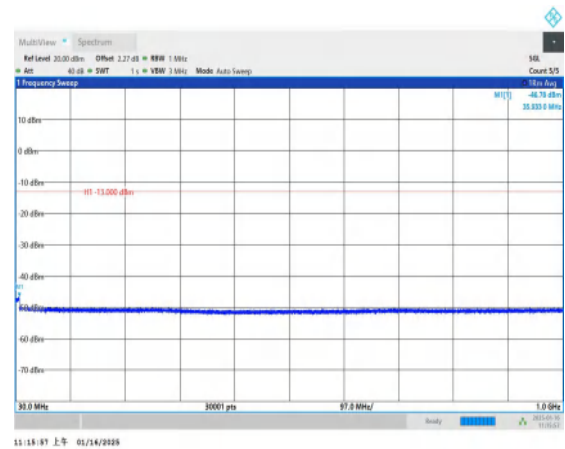
EGPRS1900-512-2-3000~18000MHz-PASS



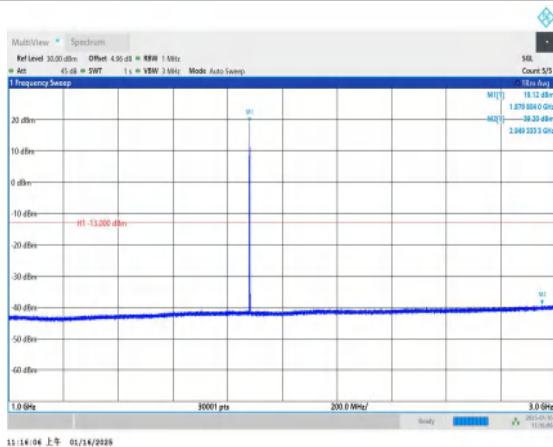
EGPRS1900-661-2-0.009~0.15MHz-PASS



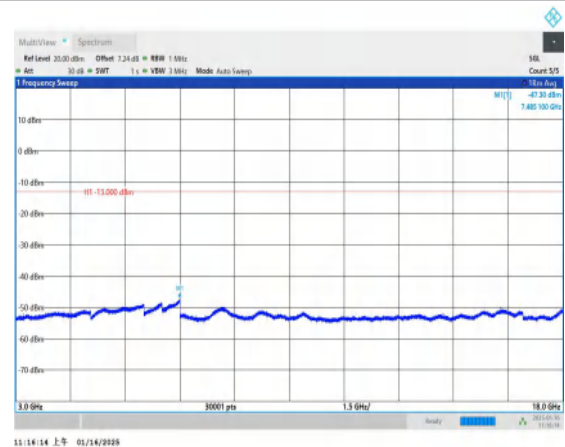
EGPRS1900-661-2-0.15~30MHz-PASS



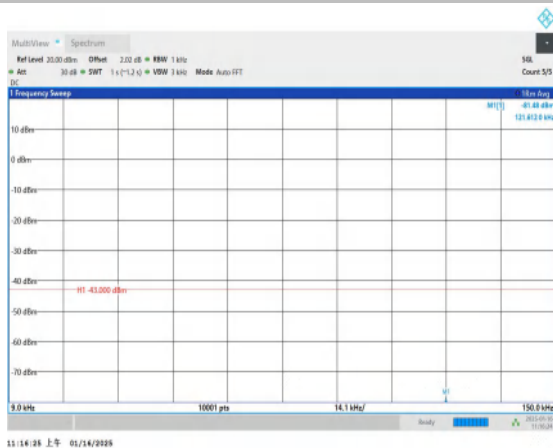
EGPRS1900-661-2-30~1000MHz-PASS



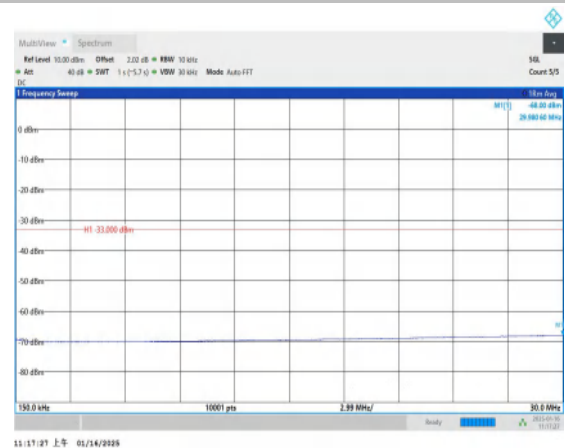
EGPRS1900-661-2-1000~3000MHz-PASS



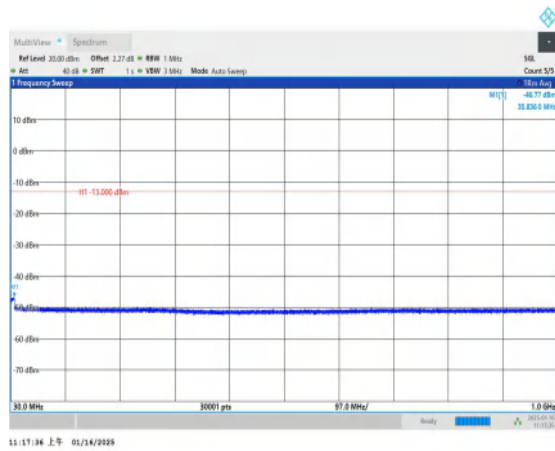
EGPRS1900-661-2-3000~18000MHz-PASS



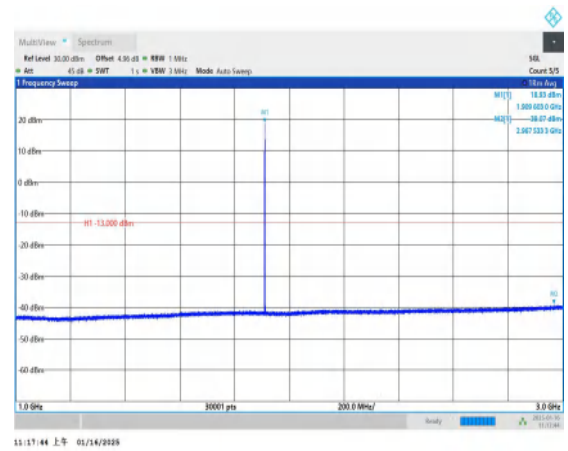
EGPRS1900-810-2-0.009~0.15MHz-PASS



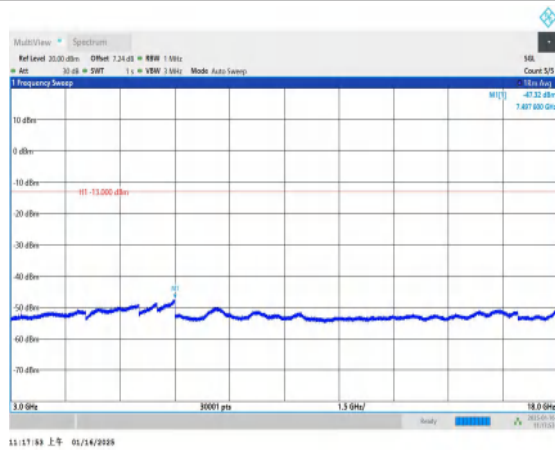
EGPRS1900-810-2-0.15~30MHz-PASS



EGPRS1900-810-2-30~1000MHz-PASS



EGPRS1900-810-2-1000~3000MHz-PASS



EGPRS1900-810-2-3000~18000MHz-PASS



Appendix F: Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	VN	NT	-4.26	-0.005169	±2.5	PASS
GSM850	128	VL	NT	-4.49	-0.005448	±2.5	PASS
GSM850	128	VH	NT	-8.78	-0.010653	±2.5	PASS
GPRS850	128	VN	NT	-5.88	-0.007134	±2.5	PASS
GPRS850	128	VL	NT	-12.40	-0.015045	±2.5	PASS
GPRS850	128	VH	NT	-8.56	-0.010386	±2.5	PASS
GSM850	190	VN	NT	-5.68	-0.006789	±2.5	PASS
GSM850	190	VL	NT	-5.91	-0.007064	±2.5	PASS
GSM850	190	VH	NT	-6.59	-0.007877	±2.5	PASS
GPRS850	190	VN	NT	-3.71	-0.004435	±2.5	PASS
GPRS850	190	VL	NT	-5.00	-0.005977	±2.5	PASS
GPRS850	190	VH	NT	-3.84	-0.004590	±2.5	PASS
GSM850	251	VN	NT	-3.10	-0.003652	±2.5	PASS
GSM850	251	VL	NT	-3.07	-0.003617	±2.5	PASS
GSM850	251	VH	NT	-5.04	-0.005938	±2.5	PASS
GPRS850	251	VN	NT	-1.00	-0.001178	±2.5	PASS
GPRS850	251	VL	NT	-3.26	-0.003841	±2.5	PASS
GPRS850	251	VH	NT	-5.91	-0.006963	±2.5	PASS
EGPRS850	128	VN	NT	-8.72	-0.010580	±2.5	PASS
EGPRS850	128	VL	NT	-7.91	-0.009597	±2.5	PASS
EGPRS850	128	VH	NT	-8.78	-0.010653	±2.5	PASS
EGPRS850	190	VN	NT	-8.17	-0.009766	±2.5	PASS
EGPRS850	190	VL	NT	-7.62	-0.009108	±2.5	PASS
EGPRS850	190	VH	NT	-7.17	-0.008570	±2.5	PASS
EGPRS850	251	VN	NT	-6.94	-0.008176	±2.5	PASS
EGPRS850	251	VL	NT	-10.46	-0.012323	±2.5	PASS
EGPRS850	251	VH	NT	-5.94	-0.006998	±2.5	PASS
GSM1900	512	VN	NT	-11.38	-0.006151	±2.5	PASS
GSM1900	512	VL	NT	-5.90	-0.003189	±2.5	PASS
GSM1900	512	VH	NT	-6.23	-0.003367	±2.5	PASS
GPRS1900	512	VN	NT	-6.18	-0.003340	±2.5	PASS
GPRS1900	512	VL	NT	-7.71	-0.004167	±2.5	PASS
GPRS1900	512	VH	NT	-4.99	-0.002697	±2.5	PASS



GSM1900	661	VN	NT	-5.83	-0.003101	±2.5	PASS
GSM1900	661	VL	NT	-7.24	-0.003851	±2.5	PASS
GSM1900	661	VH	NT	-7.75	-0.004122	±2.5	PASS
GPRS1900	661	VN	NT	-5.76	-0.003064	±2.5	PASS
GPRS1900	661	VL	NT	-5.11	-0.002718	±2.5	PASS
GPRS1900	661	VH	NT	-7.90	-0.004202	±2.5	PASS
GSM1900	810	VN	NT	-9.80	-0.005131	±2.5	PASS
GSM1900	810	VL	NT	-11.01	-0.005765	±2.5	PASS
GSM1900	810	VH	NT	-10.37	-0.005430	±2.5	PASS
GPRS1900	810	VN	NT	-7.53	-0.003943	±2.5	PASS
GPRS1900	810	VL	NT	-10.83	-0.005671	±2.5	PASS
GPRS1900	810	VH	NT	-8.85	-0.004634	±2.5	PASS
EGPRS1900	512	VN	NT	-24.85	-0.013431	±2.5	PASS
EGPRS1900	512	VL	NT	-27.57	-0.014901	±2.5	PASS
EGPRS1900	512	VH	NT	-25.39	-0.013723	±2.5	PASS
EGPRS1900	661	VN	NT	-29.29	-0.015580	±2.5	PASS
EGPRS1900	661	VL	NT	-29.20	-0.015532	±2.5	PASS
EGPRS1900	661	VH	NT	-30.06	-0.015989	±2.5	PASS
EGPRS1900	810	VN	NT	-40.38	-0.021144	±2.5	PASS
EGPRS1900	810	VL	NT	-37.36	-0.019562	±2.5	PASS
EGPRS1900	810	VH	NT	-29.92	-0.015667	±2.5	PASS

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	NV	-30	-6.94	-0.008420	±2.5	PASS
GSM850	128	NV	-20	-5.88	-0.007134	±2.5	PASS
GSM850	128	NV	-10	-7.55	-0.009160	±2.5	PASS
GSM850	128	NV	0	-3.58	-0.004344	±2.5	PASS
GSM850	128	NV	10	-5.81	-0.007049	±2.5	PASS
GSM850	128	NV	20	-4.10	-0.004975	±2.5	PASS
GSM850	128	NV	30	-4.58	-0.005557	±2.5	PASS
GSM850	128	NV	40	-0.65	-0.000789	±2.5	PASS
GSM850	128	NV	50	-2.13	-0.002584	±2.5	PASS
GPRS850	128	NV	-30	-6.91	-0.008384	±2.5	PASS
GPRS850	128	NV	-20	-5.78	-0.007013	±2.5	PASS
GPRS850	128	NV	-10	-7.78	-0.009439	±2.5	PASS
GPRS850	128	NV	0	-7.52	-0.009124	±2.5	PASS
GPRS850	128	NV	10	-5.65	-0.006855	±2.5	PASS



GPRS850	128	NV	20	-5.68	-0.006892	±2.5	PASS
GPRS850	128	NV	30	-5.88	-0.007134	±2.5	PASS
GPRS850	128	NV	40	-6.84	-0.008299	±2.5	PASS
GPRS850	128	NV	50	-6.62	-0.008032	±2.5	PASS
GSM850	190	NV	-30	-4.52	-0.005403	±2.5	PASS
GSM850	190	NV	-20	-4.36	-0.005212	±2.5	PASS
GSM850	190	NV	-10	-4.97	-0.005941	±2.5	PASS
GSM850	190	NV	0	-6.46	-0.007722	±2.5	PASS
GSM850	190	NV	10	-6.26	-0.007483	±2.5	PASS
GSM850	190	NV	20	-4.07	-0.004865	±2.5	PASS
GSM850	190	NV	30	-4.42	-0.005283	±2.5	PASS
GSM850	190	NV	40	-3.23	-0.003861	±2.5	PASS
GSM850	190	NV	50	-0.10	-0.000120	±2.5	PASS
GPRS850	190	NV	-30	-5.00	-0.005977	±2.5	PASS
GPRS850	190	NV	-20	-5.00	-0.005977	±2.5	PASS
GPRS850	190	NV	-10	-5.36	-0.006407	±2.5	PASS
GPRS850	190	NV	0	-5.97	-0.007136	±2.5	PASS
GPRS850	190	NV	10	-7.55	-0.009025	±2.5	PASS
GPRS850	190	NV	20	-3.49	-0.004172	±2.5	PASS
GPRS850	190	NV	30	-4.81	-0.005749	±2.5	PASS
GPRS850	190	NV	40	-6.91	-0.008260	±2.5	PASS
GPRS850	190	NV	50	-4.33	-0.005176	±2.5	PASS
GSM850	251	NV	-30	-4.33	-0.005101	±2.5	PASS
GSM850	251	NV	-20	-5.13	-0.006044	±2.5	PASS
GSM850	251	NV	-10	-3.33	-0.003923	±2.5	PASS
GSM850	251	NV	0	-3.07	-0.003617	±2.5	PASS
GSM850	251	NV	10	-5.00	-0.005891	±2.5	PASS
GSM850	251	NV	20	-5.71	-0.006727	±2.5	PASS
GSM850	251	NV	30	-4.26	-0.005019	±2.5	PASS
GSM850	251	NV	40	-1.03	-0.001213	±2.5	PASS
GSM850	251	NV	50	-3.81	-0.004489	±2.5	PASS
GPRS850	251	NV	-30	-5.55	-0.006539	±2.5	PASS
GPRS850	251	NV	-20	-7.39	-0.008706	±2.5	PASS
GPRS850	251	NV	-10	-3.29	-0.003876	±2.5	PASS
GPRS850	251	NV	0	-9.85	-0.011605	±2.5	PASS
GPRS850	251	NV	10	-5.42	-0.006385	±2.5	PASS
GPRS850	251	NV	20	-5.04	-0.005938	±2.5	PASS
GPRS850	251	NV	30	-8.94	-0.010533	±2.5	PASS
GPRS850	251	NV	40	-6.23	-0.007340	±2.5	PASS



GPRS850	251	NV	50	-6.13	-0.007222	±2.5	PASS
EGPRS850	128	NV	-30	-8.78	-0.010653	±2.5	PASS
EGPRS850	128	NV	-20	-8.88	-0.010774	±2.5	PASS
EGPRS850	128	NV	-10	-10.98	-0.013322	±2.5	PASS
EGPRS850	128	NV	0	-10.49	-0.012727	±2.5	PASS
EGPRS850	128	NV	10	-8.14	-0.009876	±2.5	PASS
EGPRS850	128	NV	20	-9.40	-0.011405	±2.5	PASS
EGPRS850	128	NV	30	-6.94	-0.008420	±2.5	PASS
EGPRS850	128	NV	40	-9.49	-0.011514	±2.5	PASS
EGPRS850	128	NV	50	-8.72	-0.010580	±2.5	PASS
EGPRS850	190	NV	-30	-6.01	-0.007184	±2.5	PASS
EGPRS850	190	NV	-20	-5.33	-0.006371	±2.5	PASS
EGPRS850	190	NV	-10	-7.26	-0.008678	±2.5	PASS
EGPRS850	190	NV	0	-8.23	-0.009837	±2.5	PASS
EGPRS850	190	NV	10	-8.72	-0.010423	±2.5	PASS
EGPRS850	190	NV	20	-8.85	-0.010579	±2.5	PASS
EGPRS850	190	NV	30	-7.59	-0.009072	±2.5	PASS
EGPRS850	190	NV	40	-8.39	-0.010029	±2.5	PASS
EGPRS850	190	NV	50	-7.07	-0.008451	±2.5	PASS
EGPRS850	251	NV	-30	-9.72	-0.011451	±2.5	PASS
EGPRS850	251	NV	-20	-8.65	-0.010191	±2.5	PASS
EGPRS850	251	NV	-10	-8.91	-0.010497	±2.5	PASS
EGPRS850	251	NV	0	-4.36	-0.005137	±2.5	PASS
EGPRS850	251	NV	10	-9.04	-0.010650	±2.5	PASS
EGPRS850	251	NV	20	-10.94	-0.012889	±2.5	PASS
EGPRS850	251	NV	30	-5.84	-0.006880	±2.5	PASS
EGPRS850	251	NV	40	-7.30	-0.008600	±2.5	PASS
EGPRS850	251	NV	50	-4.58	-0.005396	±2.5	PASS
GSM1900	512	NV	-30	-7.39	-0.003994	±2.5	PASS
GSM1900	512	NV	-20	-3.48	-0.001881	±2.5	PASS
GSM1900	512	NV	-10	-6.65	-0.003594	±2.5	PASS
GSM1900	512	NV	0	-3.74	-0.002021	±2.5	PASS
GSM1900	512	NV	10	-2.92	-0.001578	±2.5	PASS
GSM1900	512	NV	20	8.76	0.004735	±2.5	PASS
GSM1900	512	NV	30	8.09	0.004373	±2.5	PASS
GSM1900	512	NV	40	3.46	0.001870	±2.5	PASS
GSM1900	512	NV	50	3.56	0.001924	±2.5	PASS
GPRS1900	512	NV	-30	-8.04	-0.004345	±2.5	PASS
GPRS1900	512	NV	-20	-8.32	-0.004497	±2.5	PASS



GPRS1900	512	NV	-10	-7.45	-0.004027	±2.5	PASS
GPRS1900	512	NV	0	-7.45	-0.004027	±2.5	PASS
GPRS1900	512	NV	10	-11.62	-0.006280	±2.5	PASS
GPRS1900	512	NV	20	-6.61	-0.003573	±2.5	PASS
GPRS1900	512	NV	30	-19.14	-0.010345	±2.5	PASS
GPRS1900	512	NV	40	-8.96	-0.004843	±2.5	PASS
GPRS1900	512	NV	50	-8.05	-0.004351	±2.5	PASS
GSM1900	661	NV	-30	-4.01	-0.002133	±2.5	PASS
GSM1900	661	NV	-20	-4.52	-0.002404	±2.5	PASS
GSM1900	661	NV	-10	-4.92	-0.002617	±2.5	PASS
GSM1900	661	NV	0	-3.18	-0.001691	±2.5	PASS
GSM1900	661	NV	10	-3.63	-0.001931	±2.5	PASS
GSM1900	661	NV	20	-4.17	-0.002218	±2.5	PASS
GSM1900	661	NV	30	1.66	0.000883	±2.5	PASS
GSM1900	661	NV	40	1.89	0.001005	±2.5	PASS
GSM1900	661	NV	50	4.25	0.002261	±2.5	PASS
GPRS1900	661	NV	-30	-9.86	-0.005245	±2.5	PASS
GPRS1900	661	NV	-20	-10.54	-0.005606	±2.5	PASS
GPRS1900	661	NV	-10	-6.58	-0.003500	±2.5	PASS
GPRS1900	661	NV	0	-6.83	-0.003633	±2.5	PASS
GPRS1900	661	NV	10	-7.01	-0.003729	±2.5	PASS
GPRS1900	661	NV	20	-8.92	-0.004745	±2.5	PASS
GPRS1900	661	NV	30	-8.69	-0.004622	±2.5	PASS
GPRS1900	661	NV	40	-7.57	-0.004027	±2.5	PASS
GPRS1900	661	NV	50	-7.34	-0.003904	±2.5	PASS
GSM1900	810	NV	-30	-8.08	-0.004231	±2.5	PASS
GSM1900	810	NV	-20	-4.48	-0.002346	±2.5	PASS
GSM1900	810	NV	-10	-6.72	-0.003519	±2.5	PASS
GSM1900	810	NV	0	-10.33	-0.005409	±2.5	PASS
GSM1900	810	NV	10	-9.68	-0.005069	±2.5	PASS
GSM1900	810	NV	20	-11.33	-0.005933	±2.5	PASS
GSM1900	810	NV	30	-11.07	-0.005796	±2.5	PASS
GSM1900	810	NV	40	-5.65	-0.002958	±2.5	PASS
GSM1900	810	NV	50	-4.36	-0.002283	±2.5	PASS
GPRS1900	810	NV	-30	-9.16	-0.004796	±2.5	PASS
GPRS1900	810	NV	-20	-20.59	-0.010781	±2.5	PASS
GPRS1900	810	NV	-10	-8.26	-0.004325	±2.5	PASS
GPRS1900	810	NV	0	-8.43	-0.004414	±2.5	PASS
GPRS1900	810	NV	10	-12.33	-0.006456	±2.5	PASS



GPRS1900	810	NV	20	-6.79	-0.003555	±2.5	PASS
GPRS1900	810	NV	30	-9.69	-0.005074	±2.5	PASS
GPRS1900	810	NV	40	-6.24	-0.003267	±2.5	PASS
GPRS1900	810	NV	50	-9.17	-0.004802	±2.5	PASS
EGPRS1900	512	NV	-30	-26.68	-0.014420	±2.5	PASS
EGPRS1900	512	NV	-20	-29.17	-0.015766	±2.5	PASS
EGPRS1900	512	NV	-10	-39.06	-0.021111	±2.5	PASS
EGPRS1900	512	NV	0	-29.60	-0.015998	±2.5	PASS
EGPRS1900	512	NV	10	-33.07	-0.017874	±2.5	PASS
EGPRS1900	512	NV	20	-29.71	-0.016058	±2.5	PASS
EGPRS1900	512	NV	30	-24.76	-0.013382	±2.5	PASS
EGPRS1900	512	NV	40	-27.94	-0.015101	±2.5	PASS
EGPRS1900	512	NV	50	-25.47	-0.013766	±2.5	PASS
EGPRS1900	661	NV	-30	-32.40	-0.017234	±2.5	PASS
EGPRS1900	661	NV	-20	-29.41	-0.015644	±2.5	PASS
EGPRS1900	661	NV	-10	-25.54	-0.013585	±2.5	PASS
EGPRS1900	661	NV	0	-26.88	-0.014298	±2.5	PASS
EGPRS1900	661	NV	10	-27.26	-0.014500	±2.5	PASS
EGPRS1900	661	NV	20	-26.41	-0.014048	±2.5	PASS
EGPRS1900	661	NV	30	-26.84	-0.014277	±2.5	PASS
EGPRS1900	661	NV	40	-27.46	-0.014606	±2.5	PASS
EGPRS1900	661	NV	50	-27.78	-0.014777	±2.5	PASS
EGPRS1900	810	NV	-30	-30.47	-0.015955	±2.5	PASS
EGPRS1900	810	NV	-20	-34.45	-0.018039	±2.5	PASS
EGPRS1900	810	NV	-10	-33.23	-0.017400	±2.5	PASS
EGPRS1900	810	NV	0	-31.33	-0.016405	±2.5	PASS
EGPRS1900	810	NV	10	-30.95	-0.016206	±2.5	PASS
EGPRS1900	810	NV	20	-34.25	-0.017934	±2.5	PASS
EGPRS1900	810	NV	30	-31.97	-0.016740	±2.5	PASS
EGPRS1900	810	NV	40	-34.82	-0.018232	±2.5	PASS
EGPRS1900	810	NV	50	-31.48	-0.016483	±2.5	PASS