



Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Channel	Conducted power (dBm)	ERP/EIRP(dBm)	Limit(dBm)	Verdict
GSM850	128	33.39	31.62	38.45	PASS
GSM850	190	33.44	31.67	38.45	PASS
GSM850	251	33.51	31.74	38.45	PASS
GSM1900	512	31.36	31.98	33.00	PASS
GSM1900	661	31.24	31.86	33.00	PASS
GSM1900	810	30.94	31.56	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	Conducted power (dBm)	ERP/EIRP(dBm)	Limit(dBm)	Verdict
GPRS850	128	1	33.35	31.2	38.45	PASS
GPRS850	190	1	33.37	31.22	38.45	PASS
GPRS850	251	1	33.43	31.28	38.45	PASS
GPRS850	128	2	31.60	29.45	38.45	PASS
GPRS850	190	2	31.63	29.48	38.45	PASS
GPRS850	251	2	31.71	29.56	38.45	PASS
GPRS850	128	3	28.70	26.55	38.45	PASS
GPRS850	190	3	28.77	26.62	38.45	PASS
GPRS850	251	3	28.87	26.72	38.45	PASS
GPRS850	128	4	26.57	24.42	38.45	PASS
GPRS850	190	4	26.66	24.51	38.45	PASS
GPRS850	251	4	26.77	24.62	38.45	PASS
GPRS1900	512	1	31.28	31.28	33.00	PASS
GPRS1900	661	1	31.22	31.22	33.00	PASS
GPRS1900	810	1	30.92	30.92	33.00	PASS
GPRS1900	512	2	29.69	29.69	33.00	PASS
GPRS1900	661	2	29.67	29.67	33.00	PASS
GPRS1900	810	2	29.46	29.46	33.00	PASS
GPRS1900	512	3	26.89	26.89	33.00	PASS
GPRS1900	661	3	26.88	26.88	33.00	PASS
GPRS1900	810	3	26.81	26.81	33.00	PASS
GPRS1900	512	4	24.97	24.97	33.00	PASS
GPRS1900	661	4	24.95	24.95	33.00	PASS
GPRS1900	810	4	24.91	24.91	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	Conducted power (dBm)	ERP/EIRP(dBm)	Limit(dBm)	Verdict
EGPRS850	128	1	26.09	23.94	38.45	PASS
EGPRS850	190	1	25.64	23.49	38.45	PASS
EGPRS850	251	1	25.64	23.49	38.45	PASS
EGPRS850	128	2	25.70	23.55	38.45	PASS
EGPRS850	190	2	25.34	23.19	38.45	PASS
EGPRS850	251	2	25.25	23.1	38.45	PASS
EGPRS850	128	3	24.24	22.09	38.45	PASS
EGPRS850	190	3	23.86	21.71	38.45	PASS
EGPRS850	251	3	23.79	21.64	38.45	PASS
EGPRS850	128	4	22.02	19.87	38.45	PASS
EGPRS850	190	4	21.69	19.54	38.45	PASS
EGPRS850	251	4	21.61	19.46	38.45	PASS
EGPRS1900	512	1	25.57	25.57	33.00	PASS
EGPRS1900	661	1	25.38	25.38	33.00	PASS
EGPRS1900	810	1	25.36	25.36	33.00	PASS
EGPRS1900	512	2	25.23	25.23	33.00	PASS
EGPRS1900	661	2	25.11	25.11	33.00	PASS
EGPRS1900	810	2	25.04	25.04	33.00	PASS
EGPRS1900	512	3	23.14	23.14	33.00	PASS
EGPRS1900	661	3	23.02	23.02	33.00	PASS
EGPRS1900	810	3	22.92	22.92	33.00	PASS
EGPRS1900	512	4	20.91	20.91	33.00	PASS
EGPRS1900	661	4	20.84	20.84	33.00	PASS
EGPRS1900	810	4	20.77	20.77	33.00	PASS

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

PT = Conducted output power(dBm);

GT = gain of the transmitting antenna(dBi);



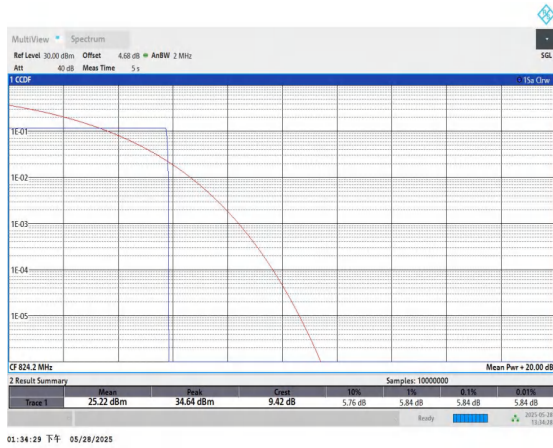
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

Band	Channel	Result(dB)	Limit(dB)	Verdict
GSM850	128	5.84	13	PASS
GPRS850	128	6.12	13	PASS
GSM850	190	5.94	13	PASS
GPRS850	190	6.12	13	PASS
GSM850	251	6.04	13	PASS
GPRS850	251	6.32	13	PASS
EGPRS850	128	12.66	13	PASS
EGPRS850	190	12.68	13	PASS
EGPRS850	251	12.70	13	PASS
GSM1900	512	8.44	13	PASS
GPRS1900	512	8.48	13	PASS
GSM1900	661	8.48	13	PASS
GPRS1900	661	8.58	13	PASS
GSM1900	810	8.42	13	PASS
GPRS1900	810	8.48	13	PASS
EGPRS1900	512	12.82	13	PASS
EGPRS1900	661	12.78	13	PASS
EGPRS1900	810	12.82	13	PASS

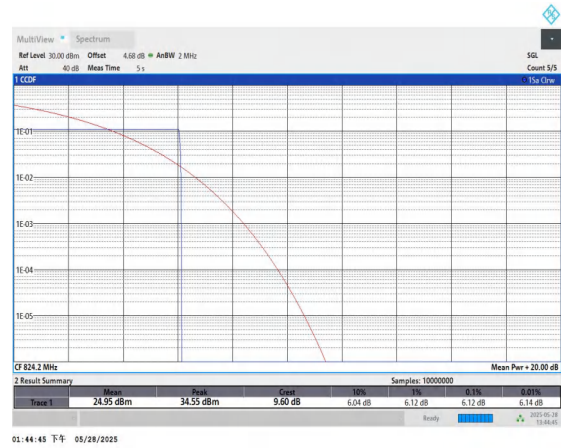


Test Graphs



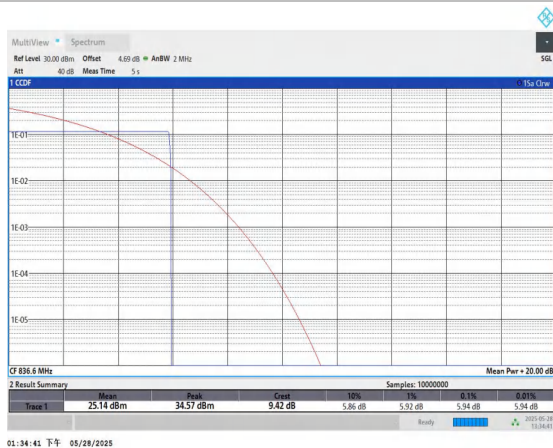
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GSM850-128-5-PASS



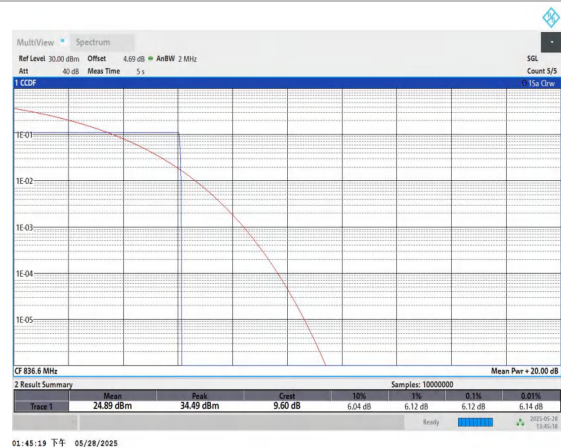
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GPRS850-128-5-PASS



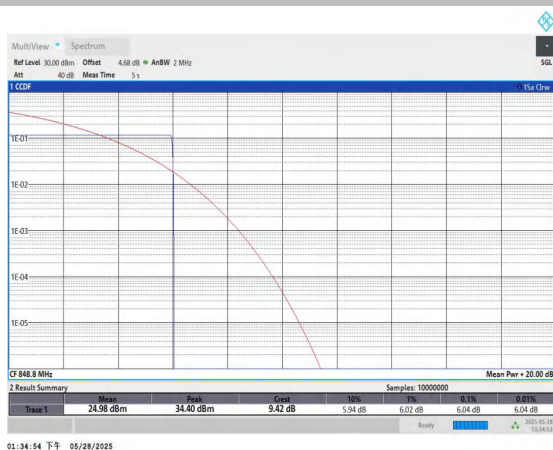
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GSM850-190-5-PASS



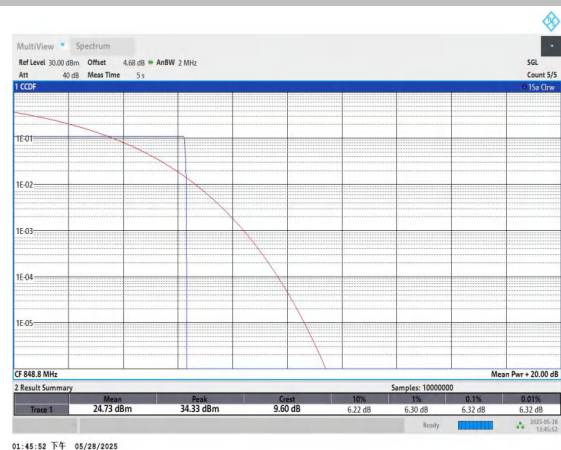
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GPRS850-190-5-PASS



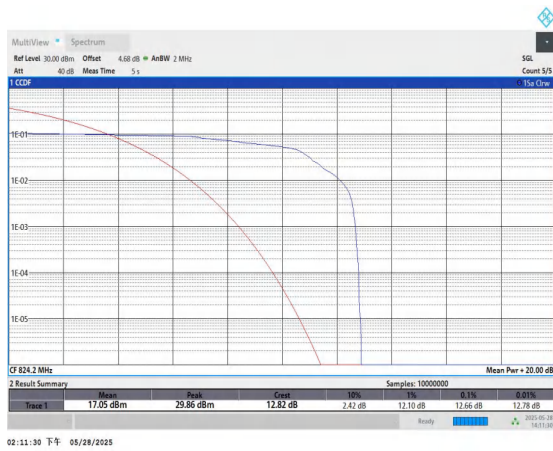
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GSM850-251-5-PASS



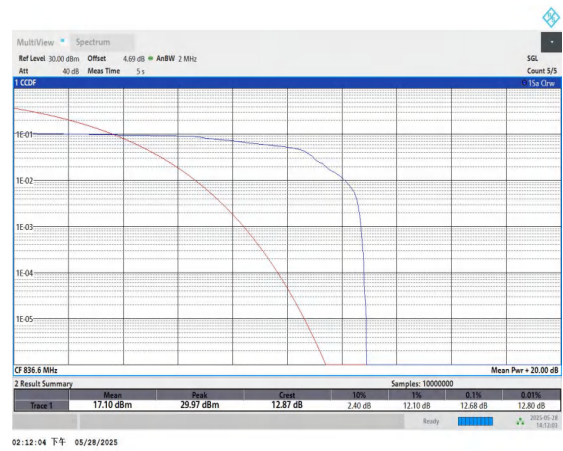
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GPRS850-251-5-PASS



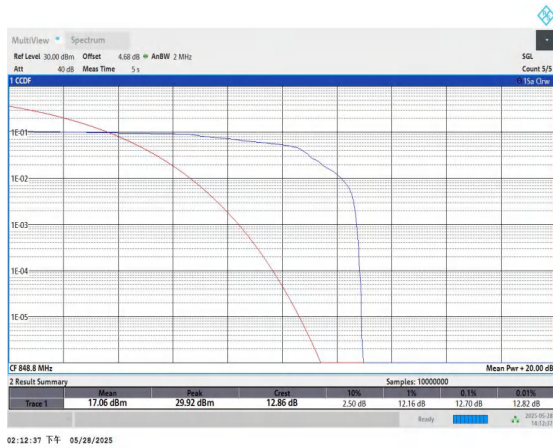
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EGPRS850-128-8-PASS



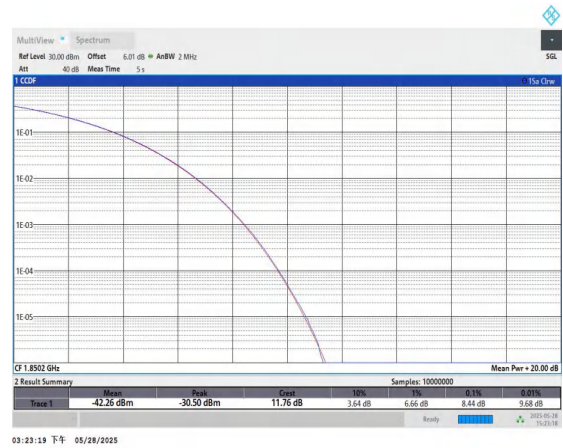
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EGPRS850-190-8-PASS



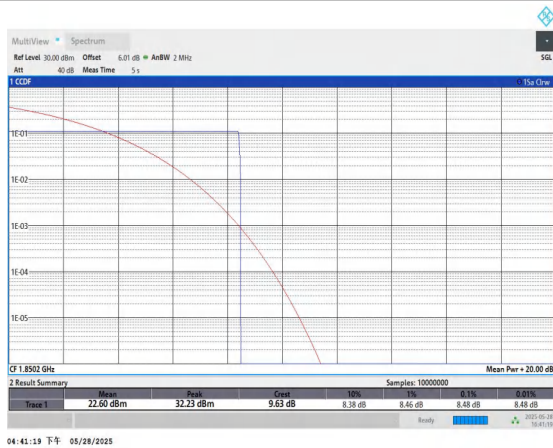
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EGPRS850-251-8-PASS



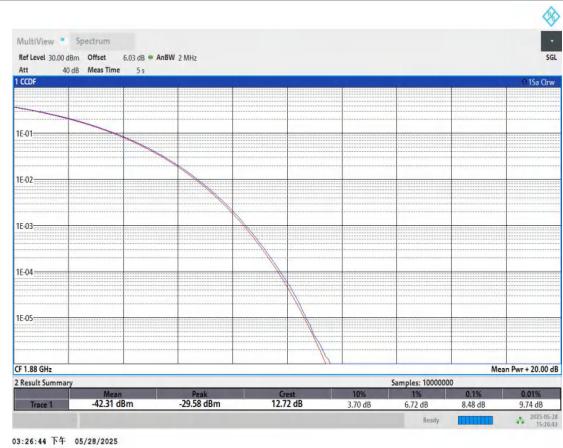
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GSM1900-512-0-PASS



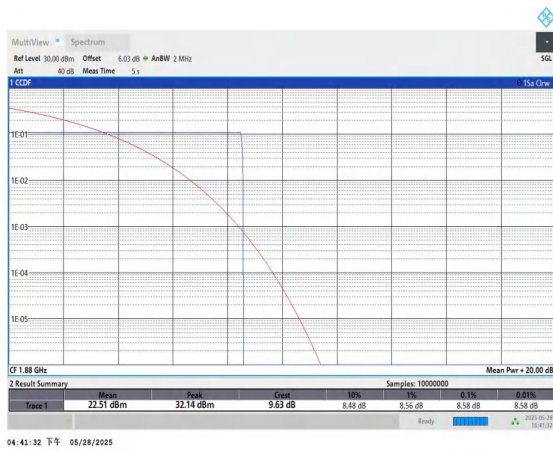
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GPRS1900-512-0-PASS

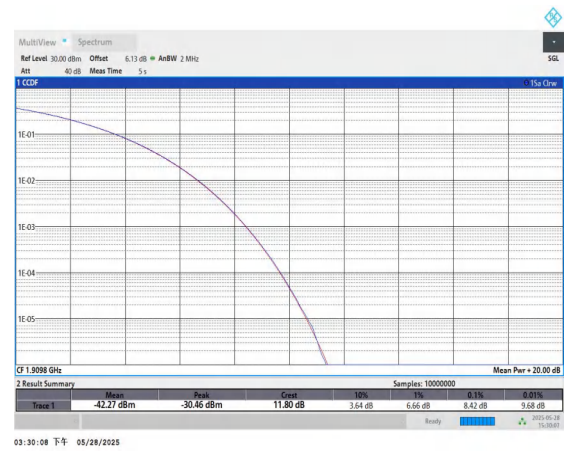


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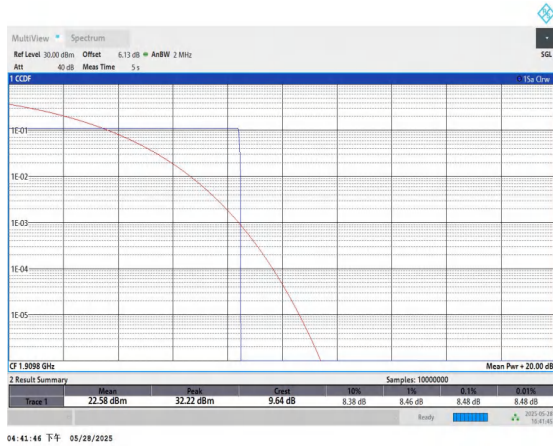
GSM1900-661-0-PASS



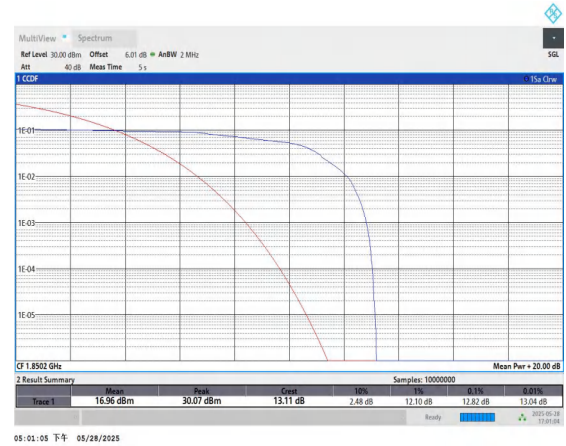
GPRS1900-661-0-PASS



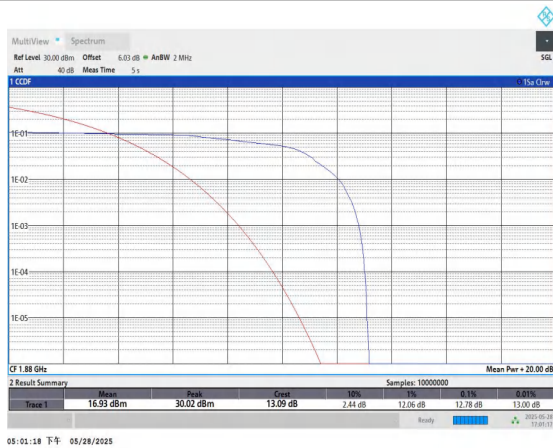
GSM1900-810-0-PASS



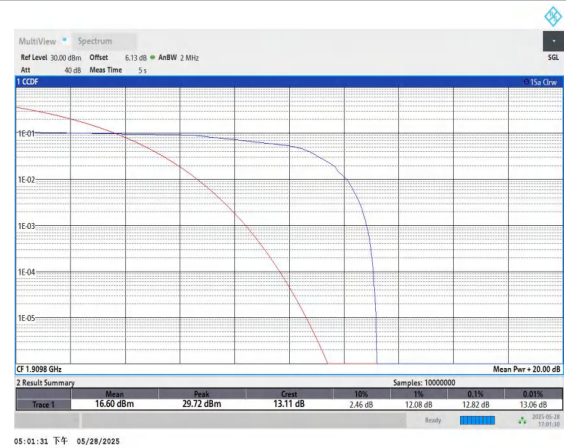
GPRS1900-810-0-PASS



EGPRS1900-512-2-PASS



EGPRS1900-661-2-PASS



EGPRS1900-810-2-PASS



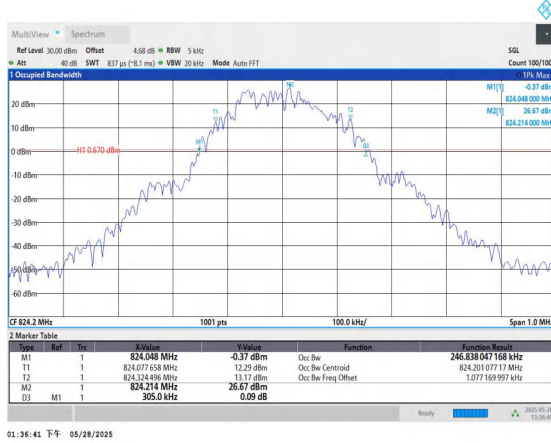
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GSM850	128	0.247	0.31	---	PASS
GPRS850	128	0.251	0.29	---	PASS
GSM850	190	0.247	0.30	---	PASS
GPRS850	190	0.242	0.31	---	PASS
GSM850	251	0.25	0.31	---	PASS
GPRS850	251	0.248	0.31	---	PASS
EGPRS850	128	0.242	0.30	---	PASS
EGPRS850	190	0.241	0.31	---	PASS
EGPRS850	251	0.25	0.31	---	PASS
GPRS1900	512	0.259	0.30	---	PASS
GSM1900	512	0.246	0.32	---	PASS
GPRS1900	661	0.244	0.32	---	PASS
GSM1900	661	0.241	0.32	---	PASS
GPRS1900	810	0.238	0.32	---	PASS
GSM1900	810	0.249	0.30	---	PASS
EGPRS1900	512	0.233	0.30	---	PASS
EGPRS1900	661	0.247	0.31	---	PASS
EGPRS1900	810	0.238	0.31	---	PASS

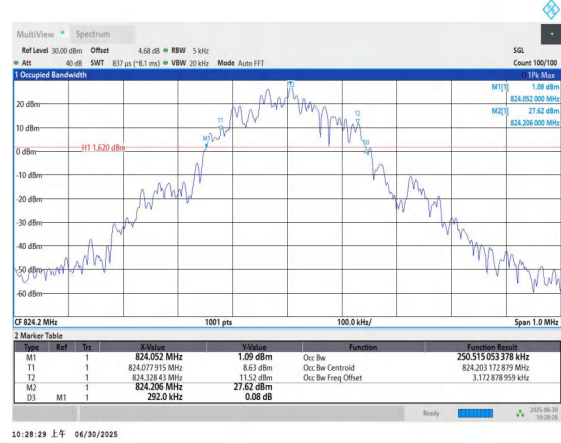


Test Graphs



01:36:41 下午 05/28/2025

GSM850-128-5-PASS



10:28:29 上午 06/30/2025

GPRS850-128-5-PASS



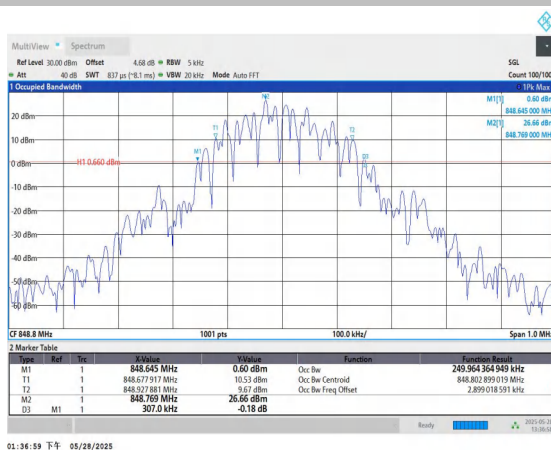
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GSM850-190-5-PASS



10:28:39 上午 06/30/2025

GPRS850-190-5-PASS



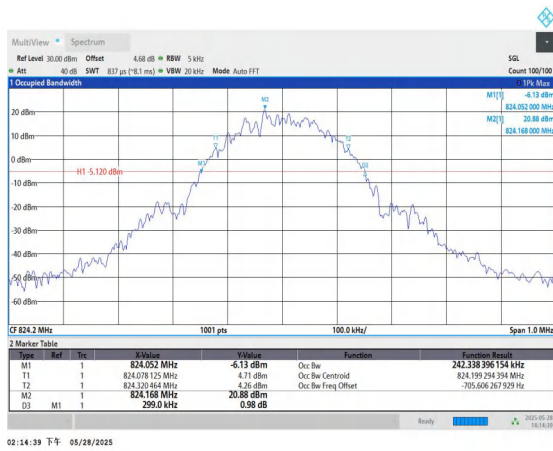
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GSM850-251-5-PASS



10:28:49 上午 06/30/2025

GPRS850-251-5-PASS



EGPRS850-128-8-PASS



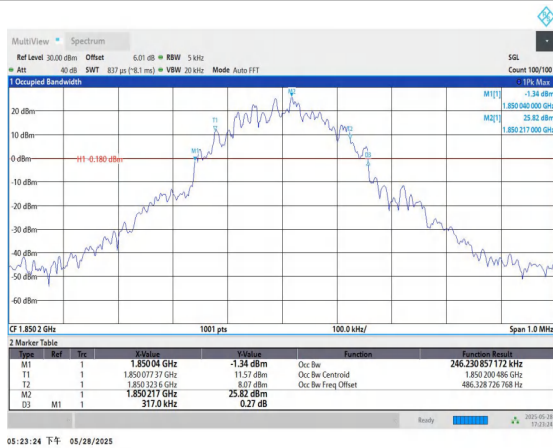
EGPRS850-190-8-PASS



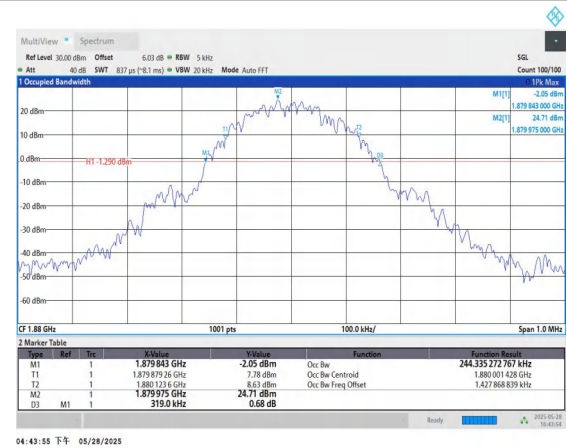
EGPRS850-251-8-PASS



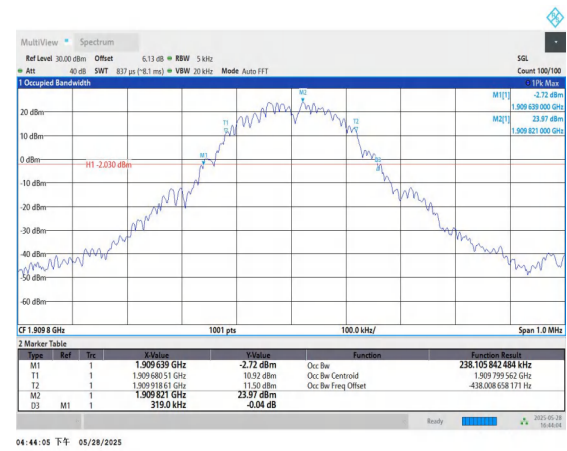
GPRS1900-512-0-PASS



GSM1900-512-0-PASS

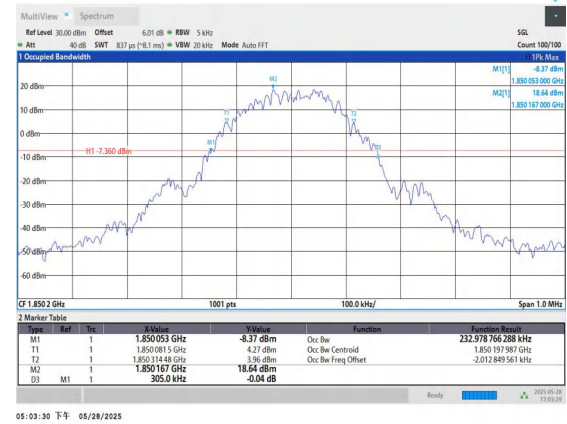


GPRS1900-661-0-PASS



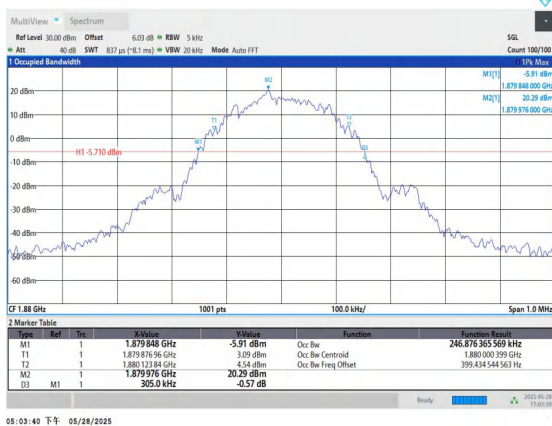
GSM1900-661-0-PASS

GPRS1900-810-0-PASS



GSM1900-810-0-PASS

EGPRS1900-512-2-PASS



EGPRS1900-661-2-PASS

EGPRS1900-810-2-PASS



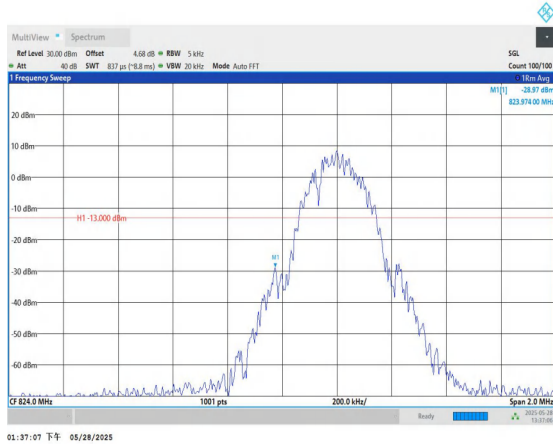
Appendix D: Band Edge

Test Result

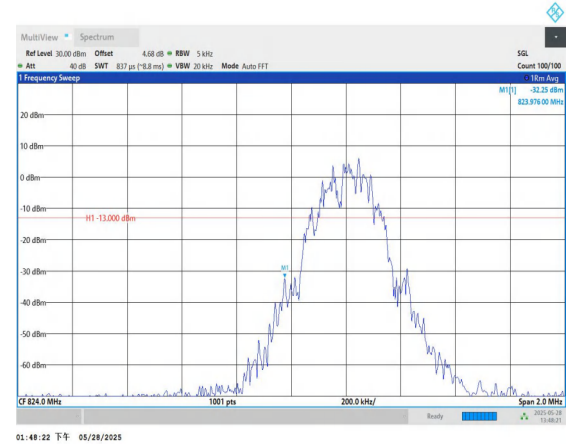
Band	Channel	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GSM850	128	823.97	-28.97	-13	PASS
GPRS850	128	823.98	-32.25	-13	PASS
GSM850	251	849.02	-22.60	-13	PASS
GPRS850	251	849.02	-23.34	-13	PASS
EGPRS850	128	823.98	-32.38	-13	PASS
EGPRS850	251	849.01	-34.23	-13	PASS
GPRS1900	512	1849.98	-31.77	-13	PASS
GSM1900	512	1849.98	-29.35	-13	PASS
GPRS1900	810	1910.02	-26.09	-13	PASS
GSM1900	810	1910.02	-25.65	-13	PASS
EGPRS1900	512	1849.96	-36.46	-13	PASS
EGPRS1900	810	1910.01	-35.70	-13	PASS



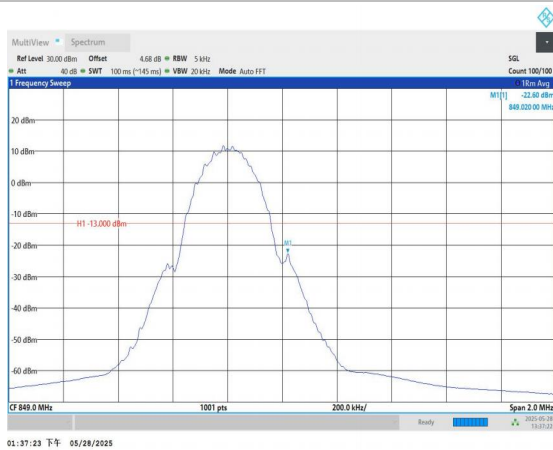
Test Graphs



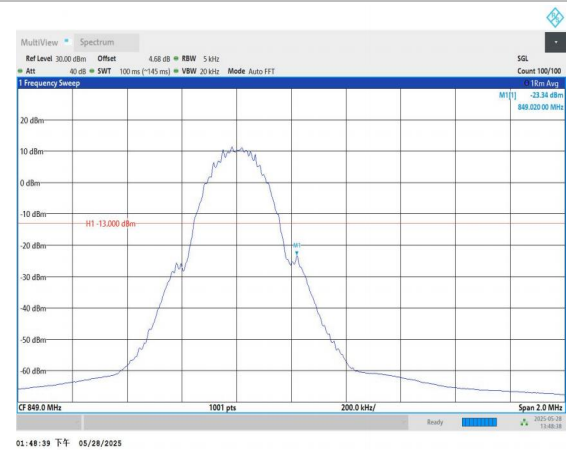
GSM850-128-5-PASS



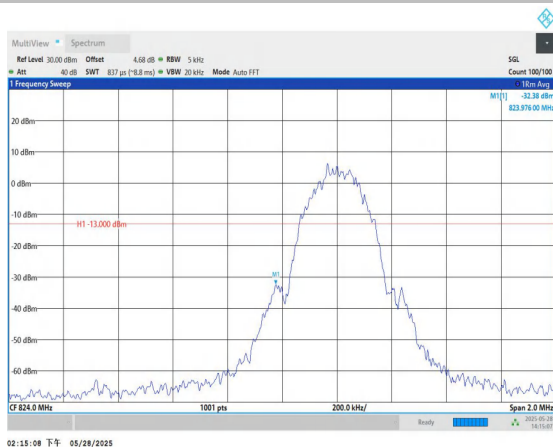
GPRS850-128-5-PASS



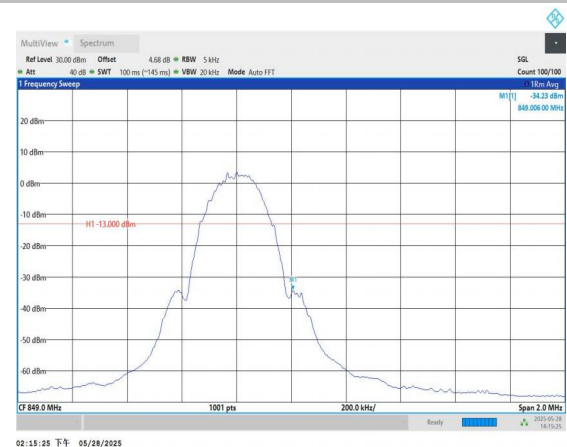
GSM850-251-5-PASS



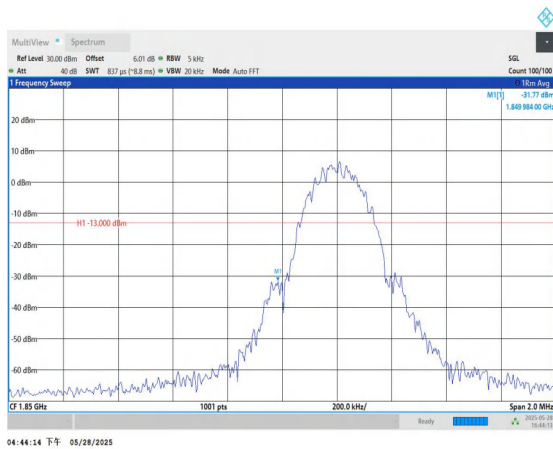
GPRS850-251-5-PASS



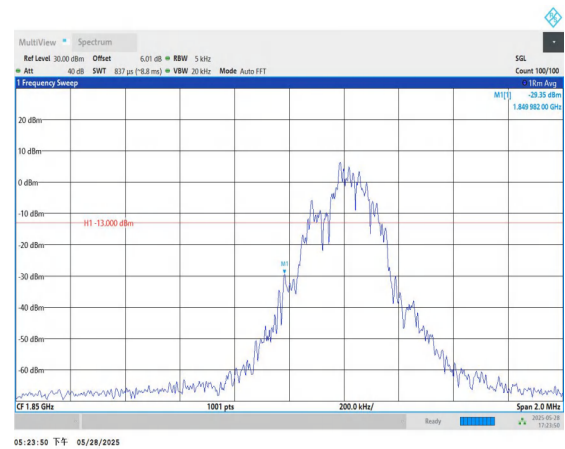
EGPRS850-128-8-PASS



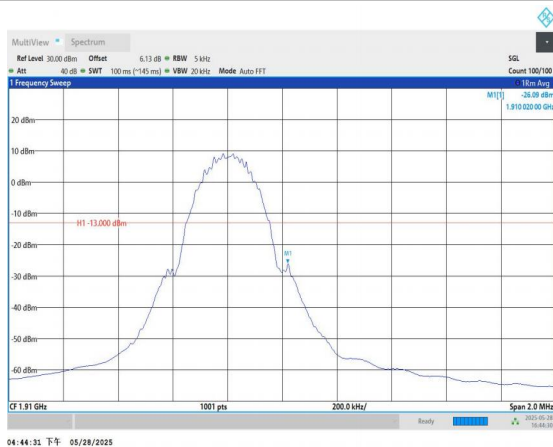
EGPRS850-251-8-PASS



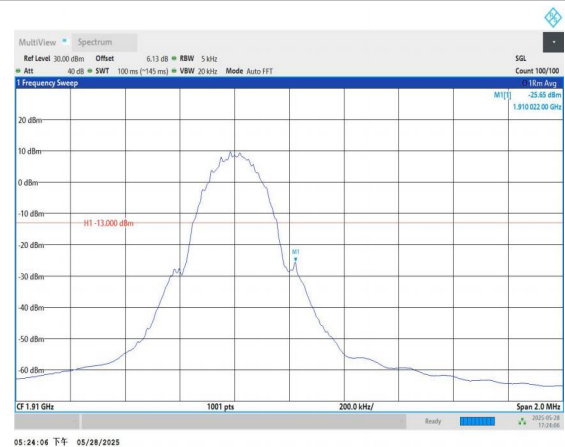
GPRS1900-512-0-PASS



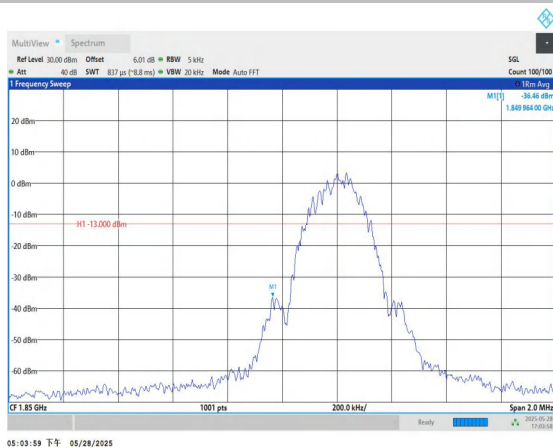
GSM1900-512-0-PASS



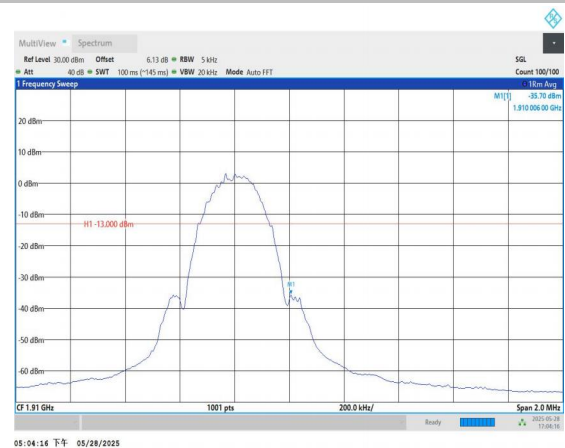
GPRS1900-810-0-PASS



GSM1900-810-0-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
GPRS850	128	0.009~0.15MHz	0.01	-64.6	-33	PASS
GPRS850	128	0.15~30MHz	29.86	-67.85	-23	PASS
GPRS850	128	30~1000MHz	35.56	-50.25	-13	PASS
GPRS850	128	1000~10000MHz	7494.33	-49.45	-13	PASS
GPRS850	190	0.009~0.15MHz	0.01	-64.48	-33	PASS
GPRS850	190	0.15~30MHz	29.87	-67.82	-23	PASS
GPRS850	190	30~1000MHz	31.78	-50.64	-13	PASS
GPRS850	190	1000~10000MHz	1672.73	-42.21	-13	PASS
GPRS850	251	0.009~0.15MHz	0.01	-64.47	-33	PASS
GPRS850	251	0.15~30MHz	29.82	-67.83	-23	PASS
GPRS850	251	30~1000MHz	31.1	-50.16	-13	PASS
GPRS850	251	1000~10000MHz	7496.73	-49.19	-13	PASS
GSM850	128	0.009~0.15MHz	0.01	-64.31	-33	PASS
GSM850	128	0.15~30MHz	29.96	-67.85	-23	PASS
GSM850	128	30~1000MHz	35.43	-50.41	-13	PASS
GSM850	128	1000~10000MHz	2472.5	-27.74	-13	PASS
GSM850	190	0.009~0.15MHz	0.01	-64.2	-33	PASS
GSM850	190	0.15~30MHz	29.97	-67.84	-23	PASS
GSM850	190	30~1000MHz	33.14	-50.55	-13	PASS
GSM850	190	1000~10000MHz	1673.33	-33.29	-13	PASS
GSM850	251	0.009~0.15MHz	0.01	-64.24	-33	PASS
GSM850	251	0.15~30MHz	29.98	-67.84	-23	PASS
GSM850	251	30~1000MHz	35.21	-50.45	-13	PASS
GSM850	251	1000~10000MHz	2546.3	-32.1	-13	PASS
EGPRS850	128	0.009~0.15MHz	0.01	-64.45	-33	PASS
EGPRS850	128	0.15~30MHz	29.91	-67.84	-23	PASS
EGPRS850	128	30~1000MHz	35.37	-50.53	-13	PASS
EGPRS850	128	1000~10000MHz	1648.43	-48.88	-13	PASS
EGPRS850	190	0.009~0.15MHz	0.01	-65.6	-33	PASS
EGPRS850	190	0.15~30MHz	29.96	-67.84	-23	PASS
EGPRS850	190	30~1000MHz	30.91	-50.33	-13	PASS
EGPRS850	190	1000~10000MHz	7497.33	-49.61	-13	PASS
EGPRS850	251	0.009~0.15MHz	0.01	-65.71	-33	PASS
EGPRS850	251	0.15~30MHz	29.92	-67.83	-23	PASS



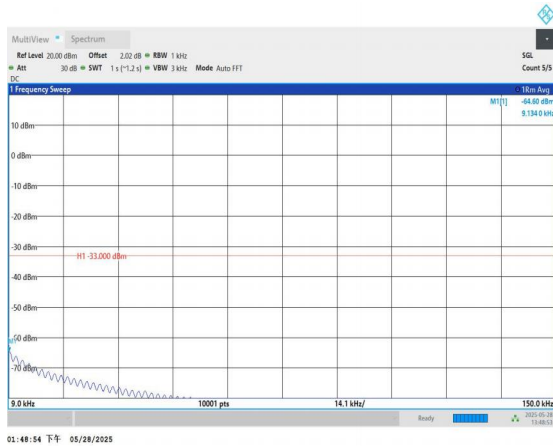
EGPRS850	251	30~1000MHz	32.94	-50.55	-13	PASS
EGPRS850	251	1000~10000MHz	7476.93	-49.28	-13	PASS
GPRS1900	512	0.009~0.15MHz	0.01	-71.92	-43	PASS
GSM1900	512	0.009~0.15MHz	0.01	-73.78	-43	PASS
GPRS1900	512	0.15~30MHz	29.98	-67.85	-33	PASS
GSM1900	512	0.15~30MHz	30	-67.83	-33	PASS
GPRS1900	512	30~1000MHz	35.9	-46.75	-13	PASS
GSM1900	512	30~1000MHz	35.97	-46.73	-13	PASS
GPRS1900	512	1000~3000MHz	2994.73	-39.09	-13	PASS
GSM1900	512	1000~3000MHz	2983	-39.06	-13	PASS
GPRS1900	512	3000~20000MHz	18653.93	-46.69	-13	PASS
GSM1900	512	3000~20000MHz	18661.29	-46.87	-13	PASS
GPRS1900	661	0.009~0.15MHz	0.01	-71.99	-43	PASS
GSM1900	661	0.009~0.15MHz	0.01	-73.59	-43	PASS
GPRS1900	661	0.15~30MHz	29.99	-67.86	-33	PASS
GSM1900	661	0.15~30MHz	29.98	-67.84	-33	PASS
GPRS1900	661	30~1000MHz	35.77	-46.72	-13	PASS
GSM1900	661	30~1000MHz	34.28	-46.91	-13	PASS
GPRS1900	661	1000~3000MHz	2997.8	-39.12	-13	PASS
GSM1900	661	1000~3000MHz	2983.27	-39.05	-13	PASS
GPRS1900	661	3000~20000MHz	18597.26	-46.69	-13	PASS
GSM1900	661	3000~20000MHz	18626.73	-46.88	-13	PASS
GPRS1900	810	0.009~0.15MHz	0.01	-71.98	-43	PASS
GSM1900	810	0.009~0.15MHz	0.01	-73.64	-43	PASS
GPRS1900	810	0.15~30MHz	29.99	-67.85	-33	PASS
GSM1900	810	0.15~30MHz	29.87	-67.85	-33	PASS
GPRS1900	810	30~1000MHz	35.97	-46.9	-13	PASS
GSM1900	810	30~1000MHz	34.87	-46.7	-13	PASS
GPRS1900	810	1000~3000MHz	2956.33	-39.02	-13	PASS
GSM1900	810	1000~3000MHz	2999.33	-39.15	-13	PASS
GPRS1900	810	3000~20000MHz	18604.06	-46.84	-13	PASS
GSM1900	810	3000~20000MHz	18642.6	-46.85	-13	PASS
EGPRS1900	512	0.009~0.15MHz	0.01	-71.62	-43	PASS
EGPRS1900	512	0.15~30MHz	29.9	-67.86	-33	PASS
EGPRS1900	512	30~1000MHz	31.44	-46.98	-13	PASS
EGPRS1900	512	1000~3000MHz	2994.8	-39.12	-13	PASS
EGPRS1900	512	3000~20000MHz	18640.9	-46.94	-13	PASS
EGPRS1900	661	0.009~0.15MHz	0.01	-71.8	-43	PASS
EGPRS1900	661	0.15~30MHz	29.86	-67.86	-33	PASS
EGPRS1900	661	30~1000MHz	35.93	-46.72	-13	PASS



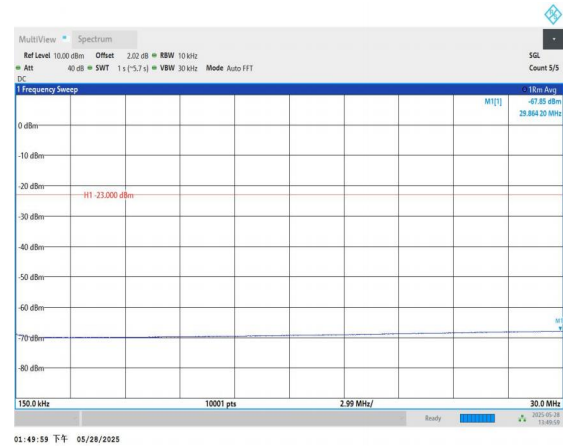
EGPRS1900	661	1000~3000MHz	2969.67	-39.09	-13	PASS
EGPRS1900	661	3000~20000MHz	18657.89	-46.9	-13	PASS
EGPRS1900	810	0.009~0.15MHz	0.01	-71.88	-43	PASS
EGPRS1900	810	0.15~30MHz	29.97	-67.83	-33	PASS
EGPRS1900	810	30~1000MHz	35.93	-46.51	-13	PASS
EGPRS1900	810	1000~3000MHz	2984.73	-39.01	-13	PASS
EGPRS1900	810	3000~20000MHz	18602.36	-47.03	-13	PASS



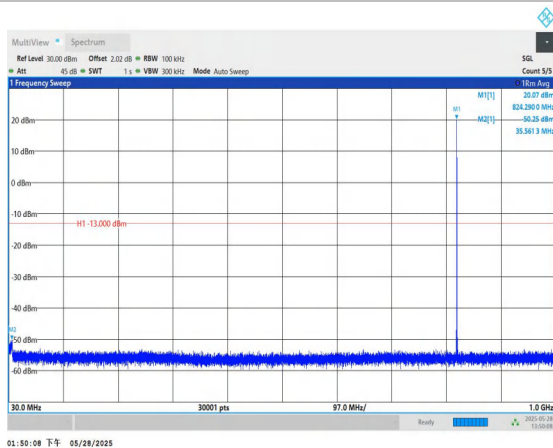
Test Graphs



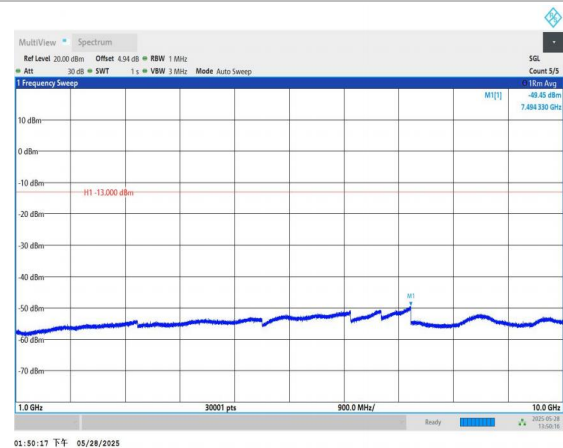
GPRS850-128-1-0.009~0.15MHz-PASS



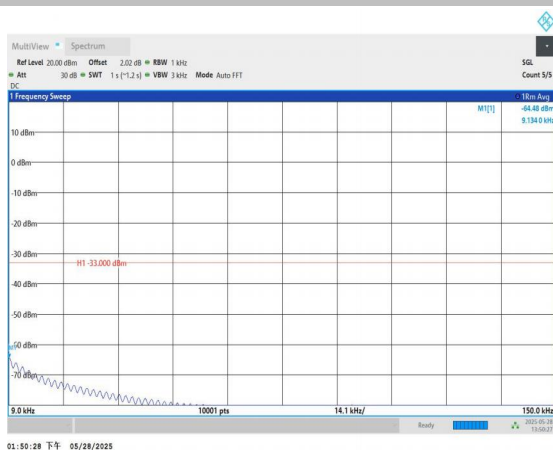
GPRS850-128-1-0.15~30MHz-PASS



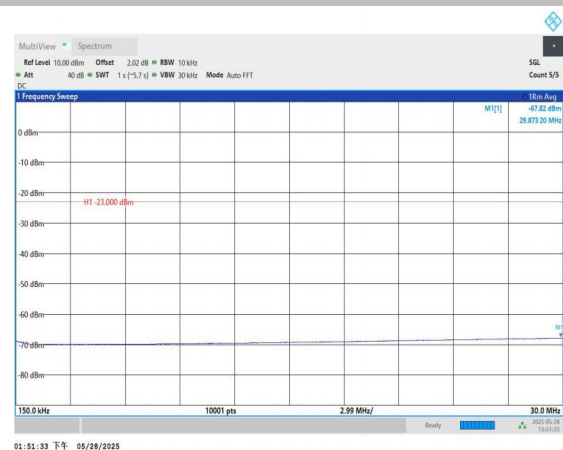
GPRS850-128-1-30~1000MHz-PASS



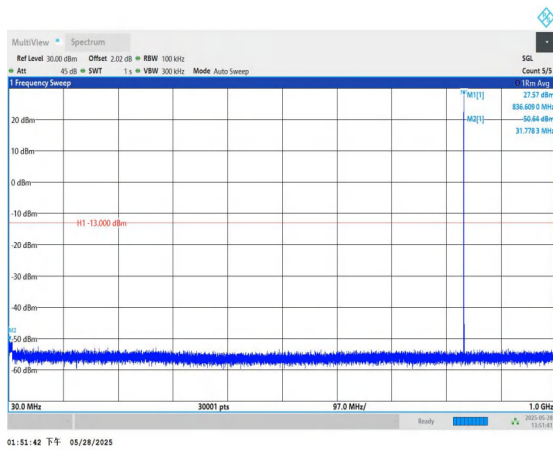
GPRS850-128-1-1000~10000MHz-PASS



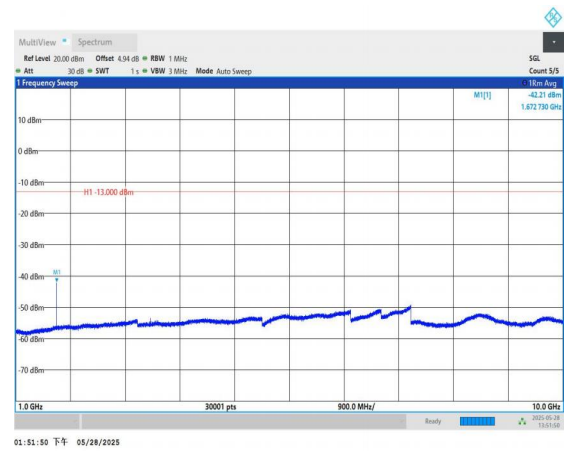
GPRS850-190-1-0.009~0.15MHz-PASS



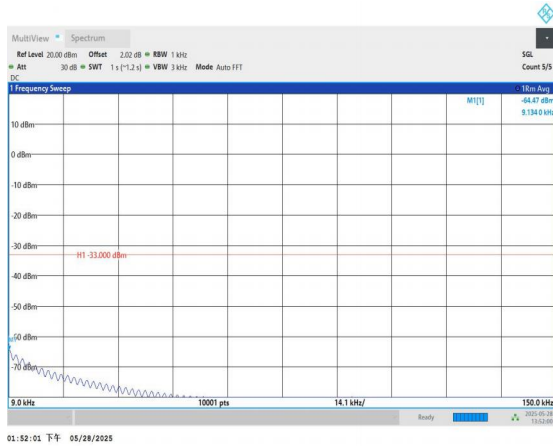
GPRS850-190-1-0.15~30MHz-PASS



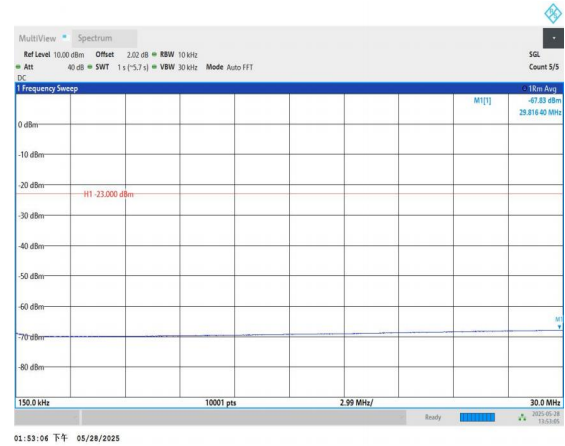
GPRS850-190-1-30~1000MHz-PASS



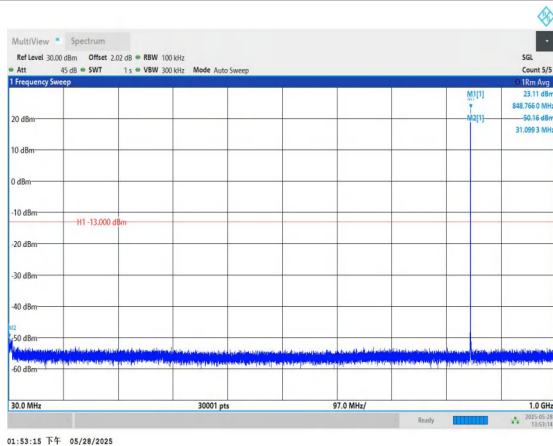
GPRS850-190-1-1000~10000MHz-PASS



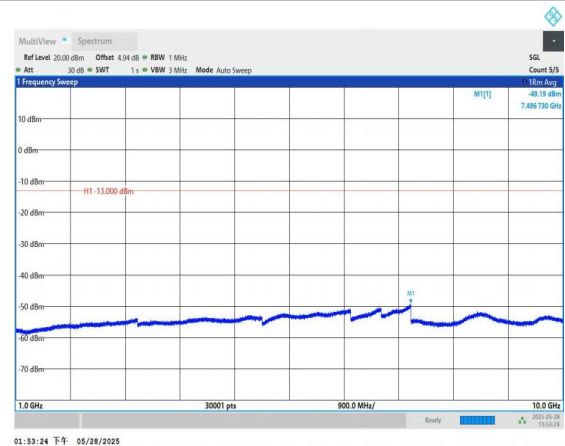
GPRS850-251-1-0.009~0.15MHz-PASS



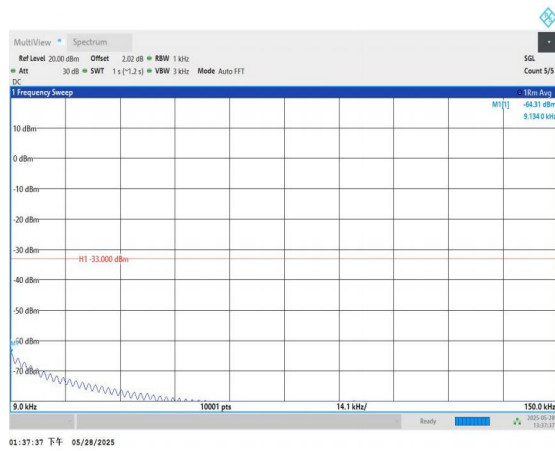
GPRS850-251-1-0.15~30MHz-PASS



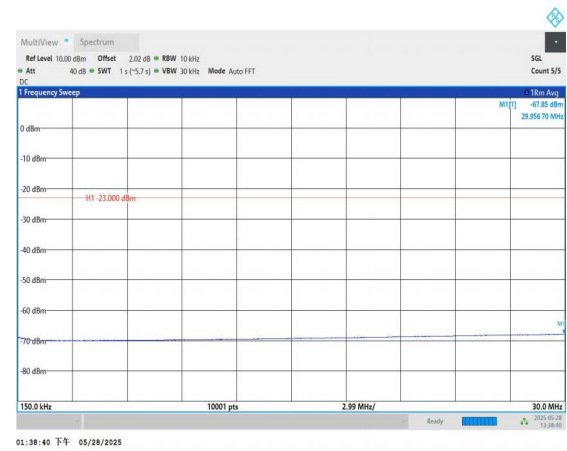
GPRS850-251-1-30~1000MHz-PASS



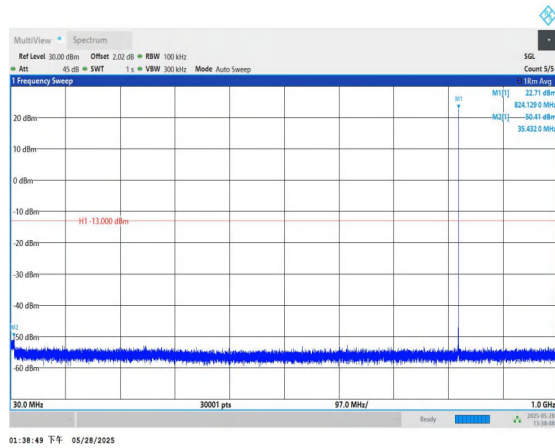
GPRS850-251-1-1000~10000MHz-PASS



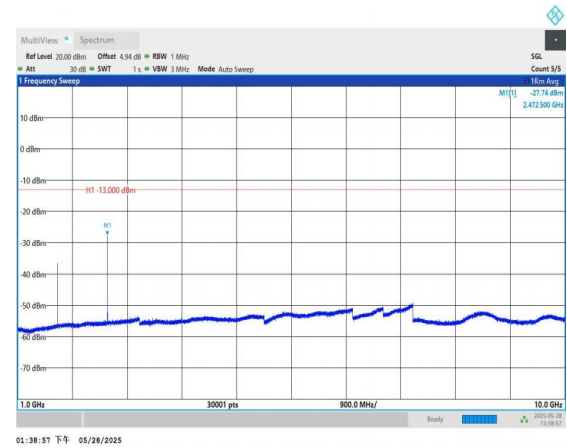
GSM850-128-5-0.009~0.15MHz-PASS



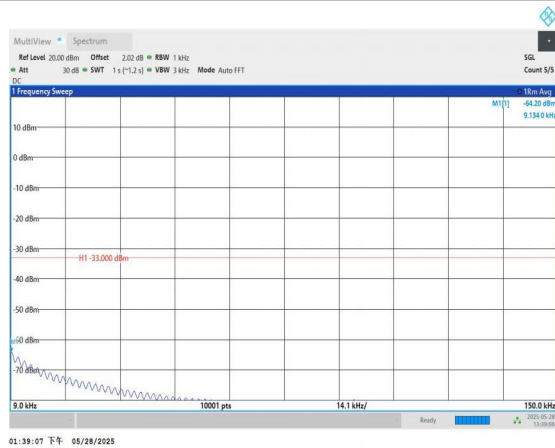
GSM850-128-5-0.15~30MHz-PASS



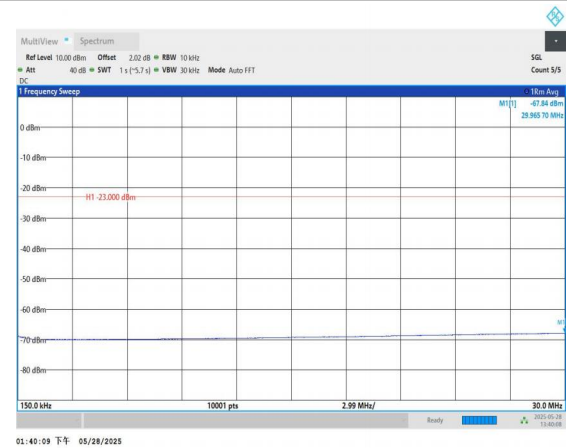
GSM850-128-5-30~1000MHz-PASS



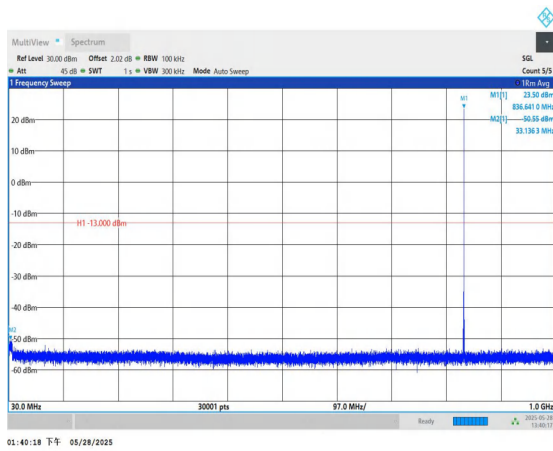
GSM850-128-5-1000~10000MHz-PASS



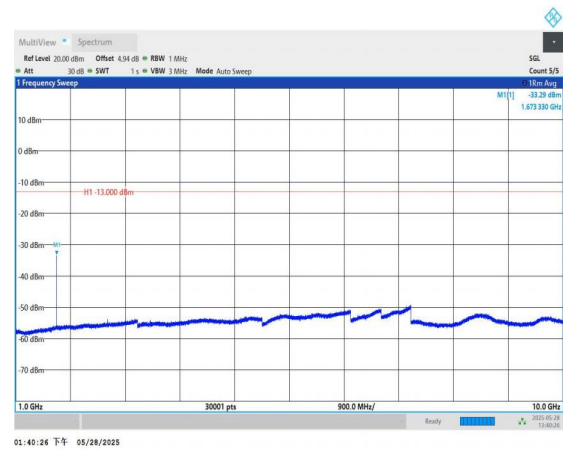
GSM850-190-5-0.009~0.15MHz-PASS



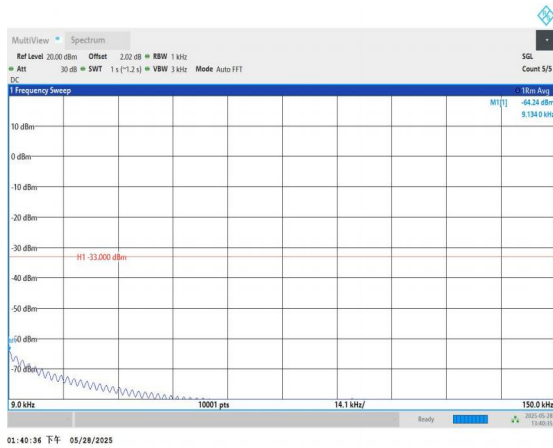
GSM850-190-5-0.15~30MHz-PASS



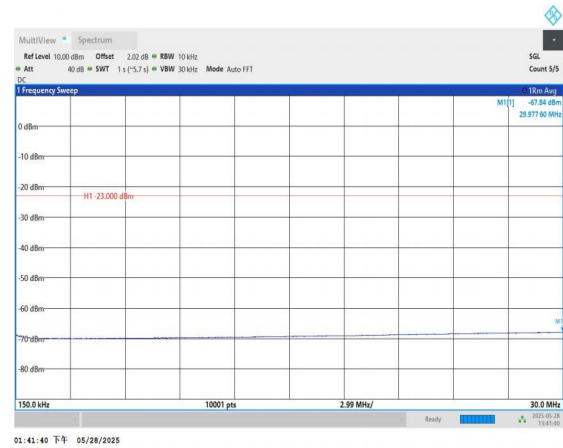
GSM850-190-5-30~1000MHz-PASS



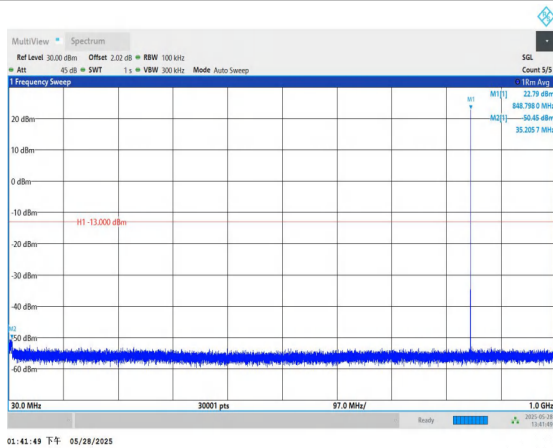
GSM850-190-5-1000~10000MHz-PASS



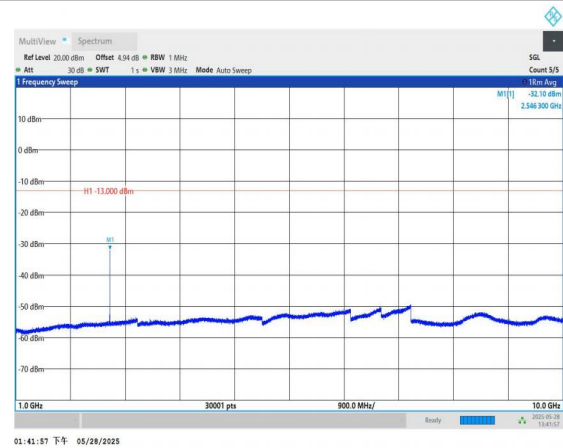
GSM850-251-5-0.009~0.15MHz-PASS



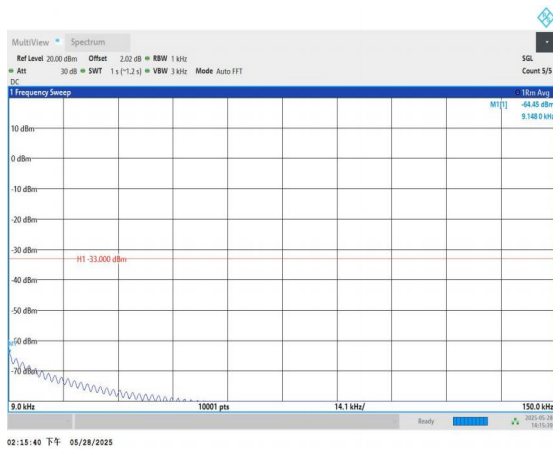
GSM850-251-5-0.15~30MHz-PASS



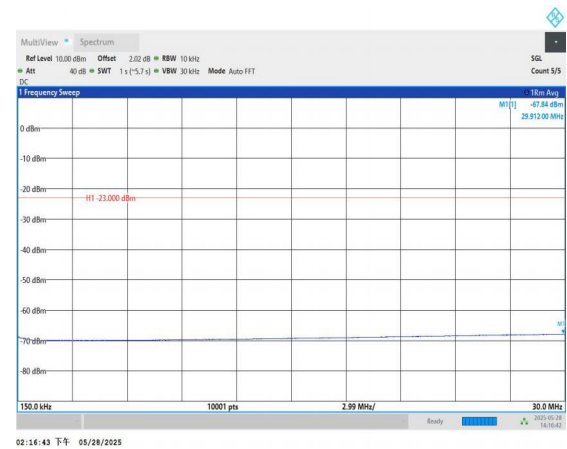
GSM850-251-5-30~1000MHz-PASS



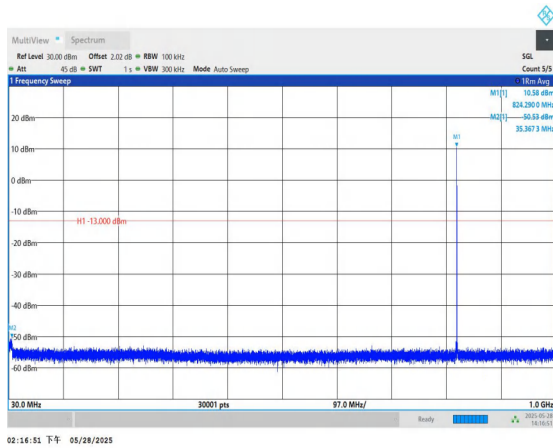
GSM850-251-5-1000~10000MHz-PASS



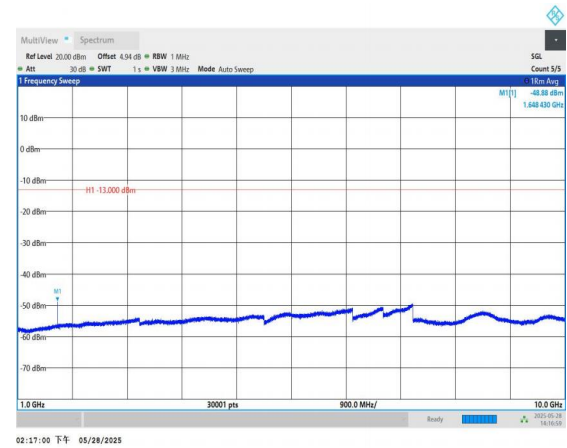
EGPRS850-128-8-0.009~0.15MHz-PASS



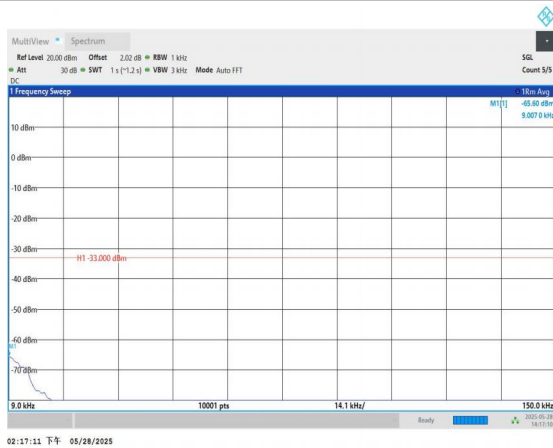
EGPRS850-128-8-0.15~30MHz-PASS



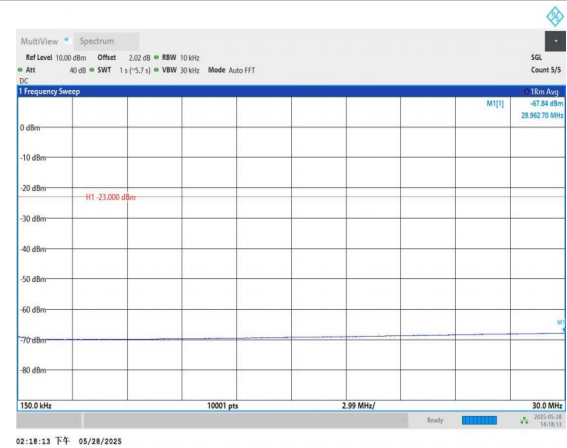
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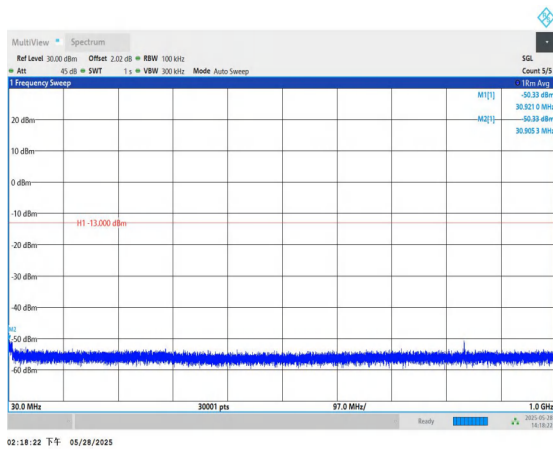
EGPRS850-128-8-1000~10000MHz-PASS



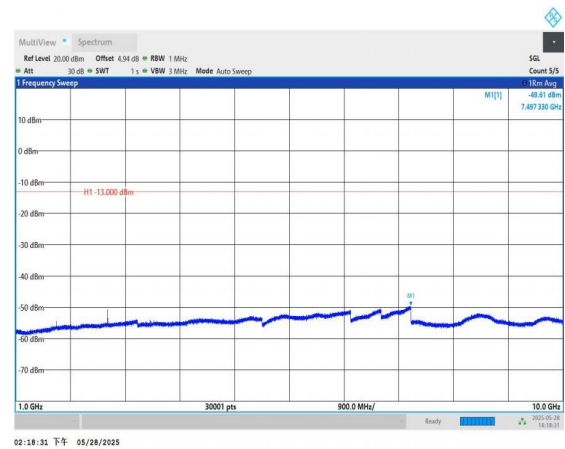
EGPRS850-190-8-0.009~0.15MHz-PASS



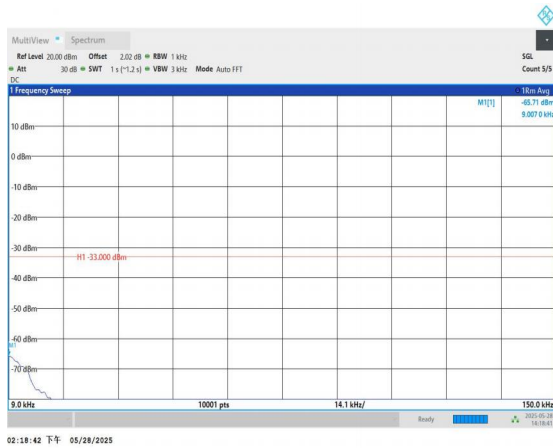
EGPRS850-190-8-0.15~30MHz-PASS



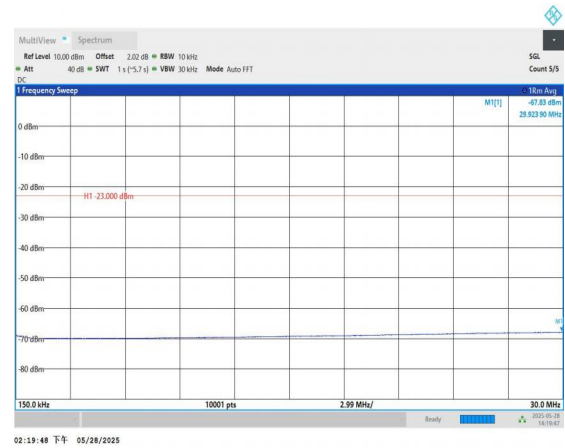
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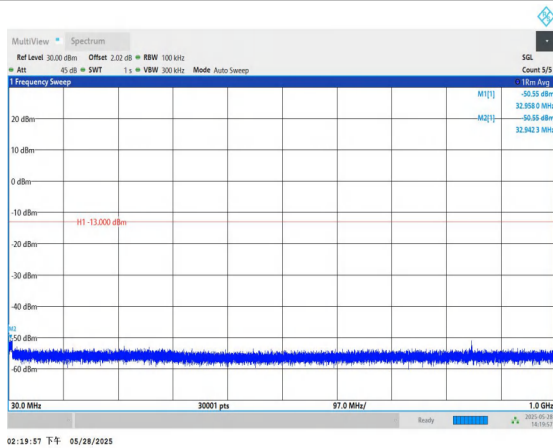
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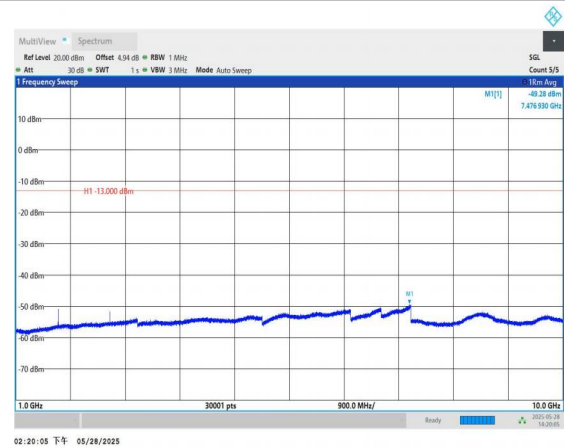
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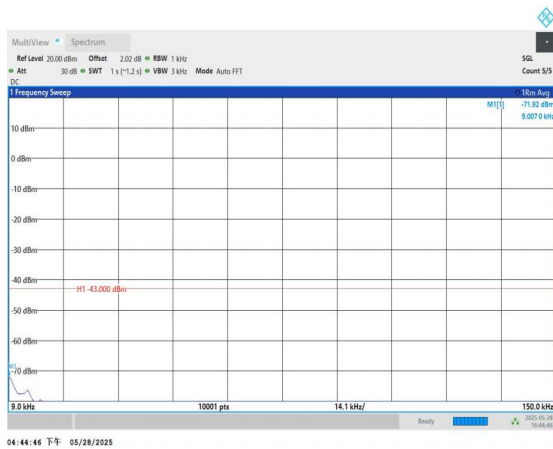
EGPRS850-251-8-0.15~30MHz-PASS



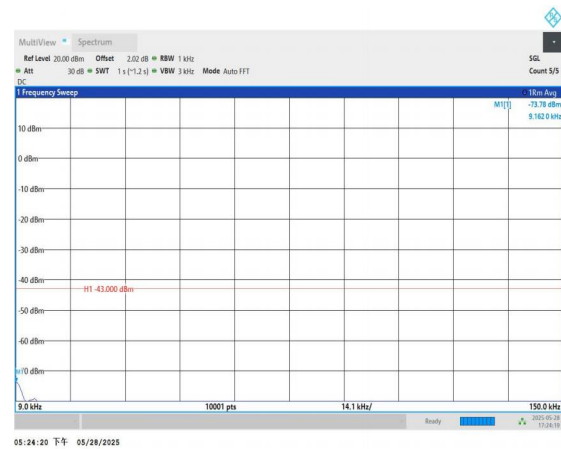
EGPRS850-251-8-30~1000MHz-PASS



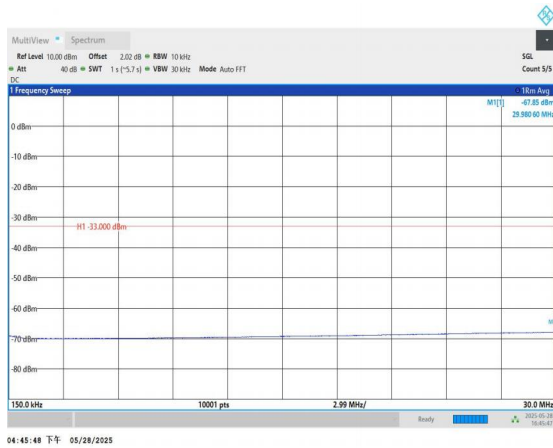
EGPRS850-251-8-1000~10000MHz-PASS



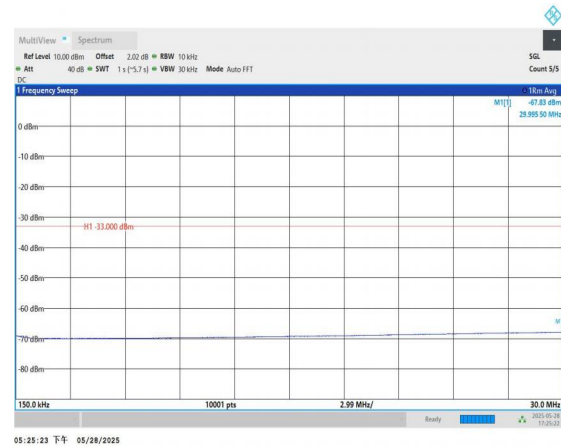
GPRS1900-512-0-0.009~0.15MHz-PASS



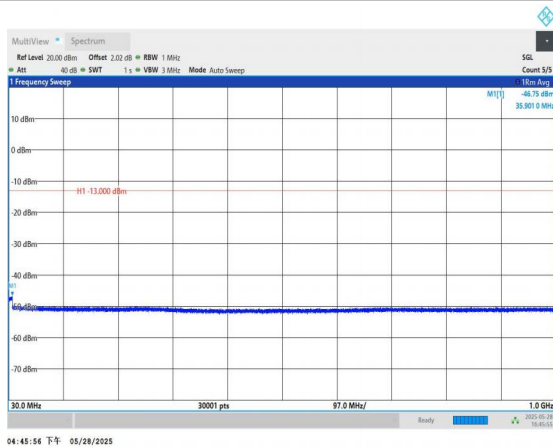
GSM1900-512-0-0.009~0.15MHz-PASS



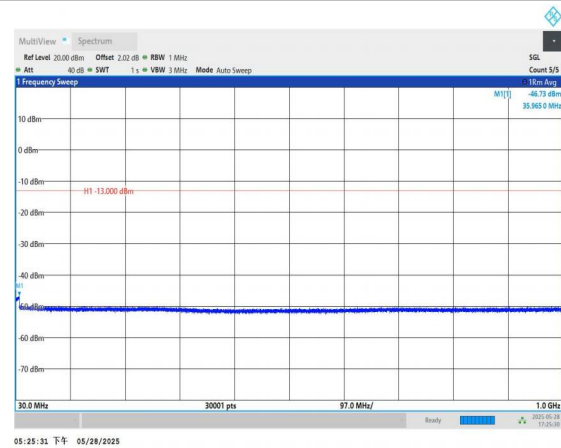
GPRS1900-512-0-0.15~30MHz-PASS



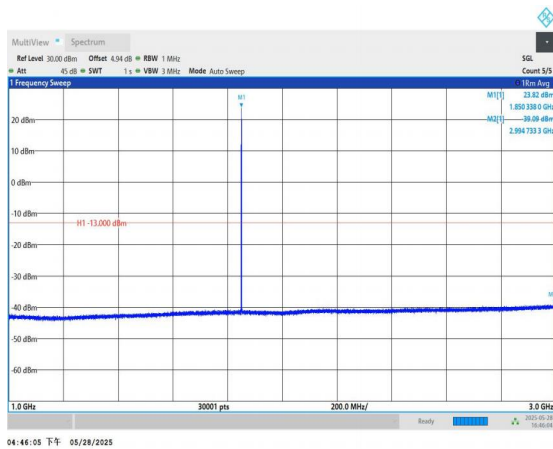
GSM1900-512-0-0.15~30MHz-PASS



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

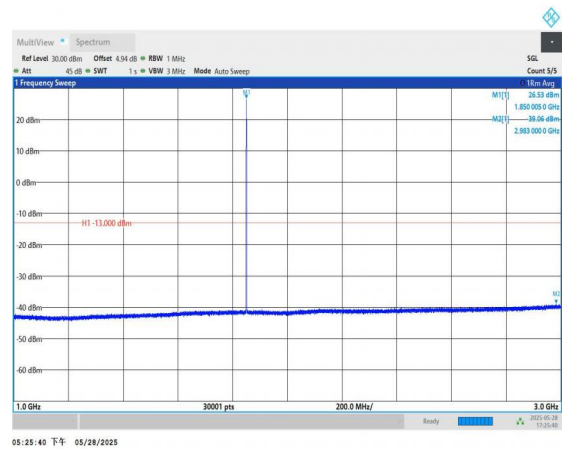


GSM1900-512-0-30~1000MHz-PASS



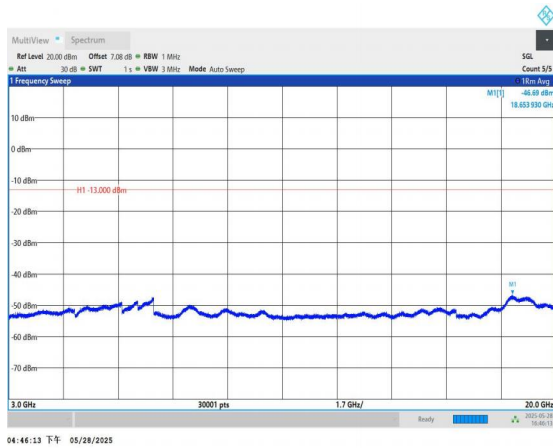
04:46:05 下午 05/28/2025

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



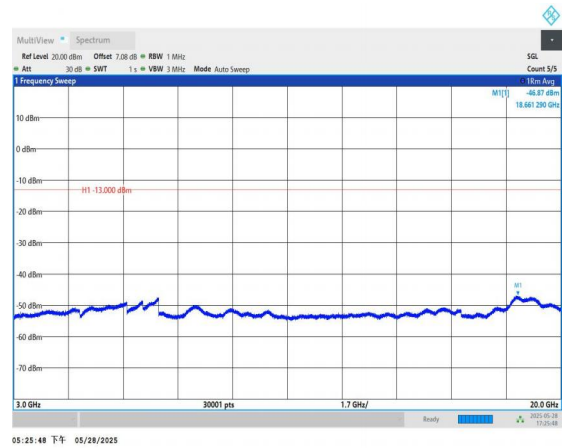
05:25:40 下午 05/28/2025

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



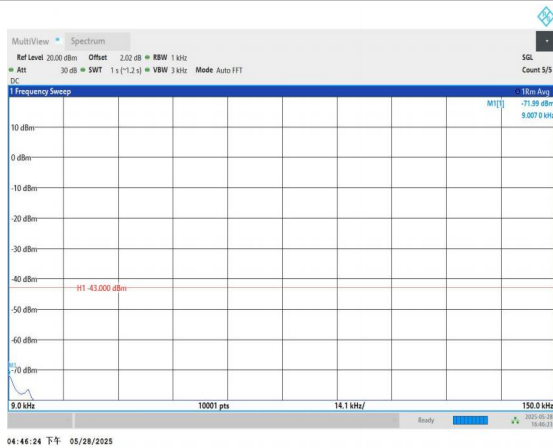
04:46:13 下午 05/28/2025

GPRS1900-512-0-3000~20000MHz-PASS



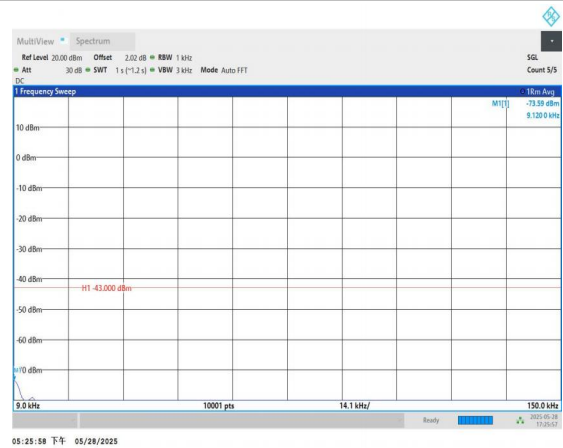
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GSM1900-512-0-3000~20000MHz-PASS



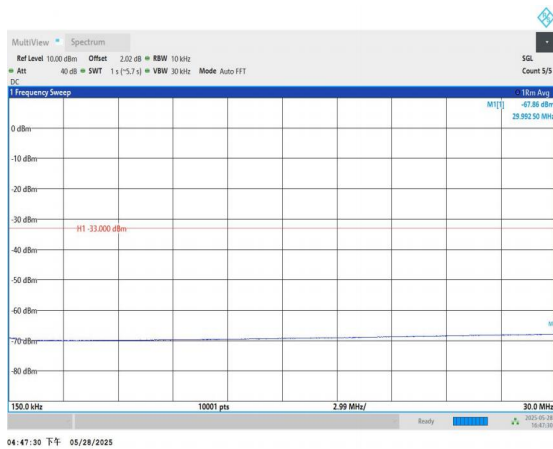
04:46:24 下午 05/28/2025

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

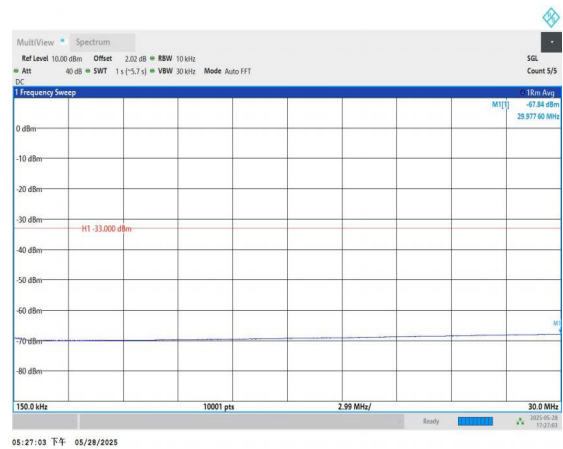


05:25:58 下午 05/28/2025

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



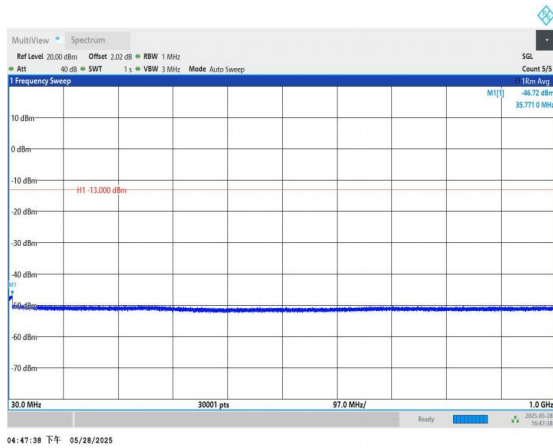
04:47:30 下午 05/28/2025



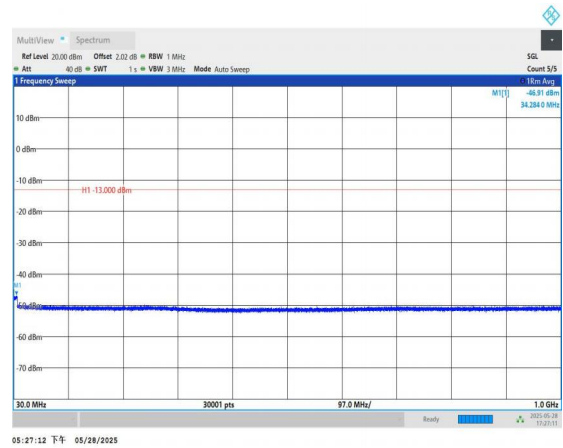
05:27:03 下午 05/28/2025

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

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



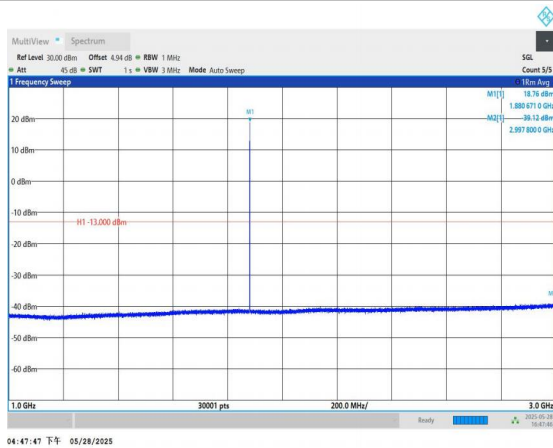
04:47:38 下午 05/28/2025



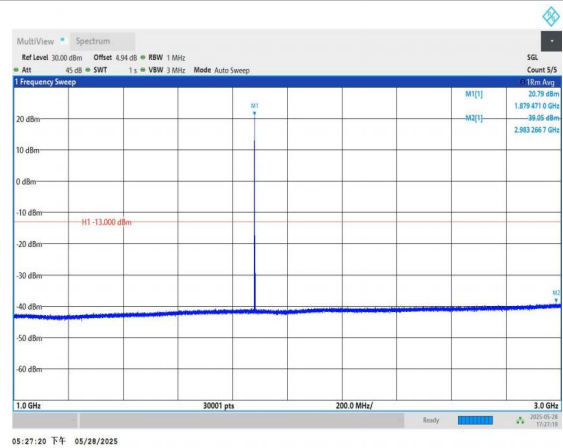
05:27:12 下午 05/28/2025

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

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



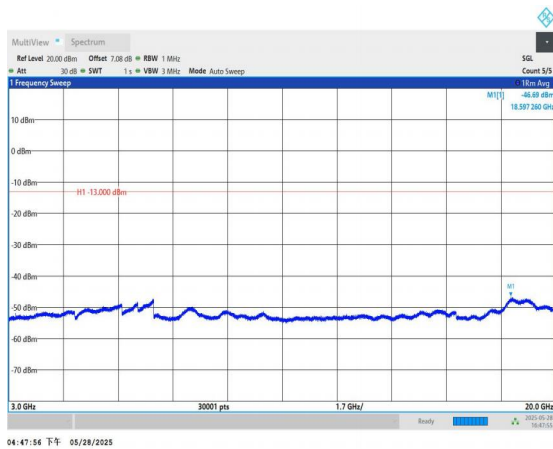
04:47:47 下午 05/28/2025



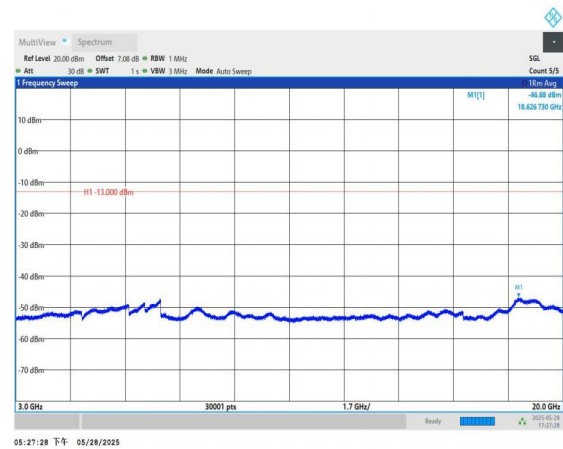
05:27:20 下午 05/28/2025

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

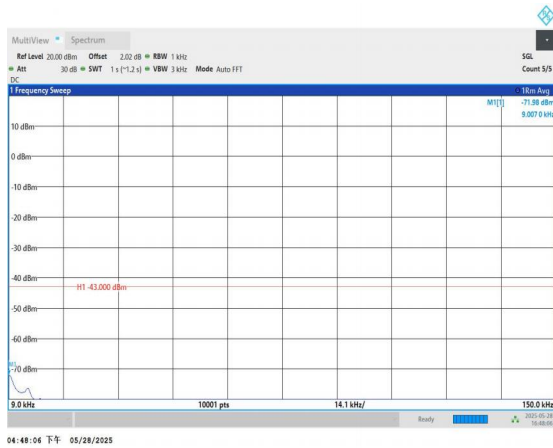
GSM1900-661-0-1000~3000MHz-PASS



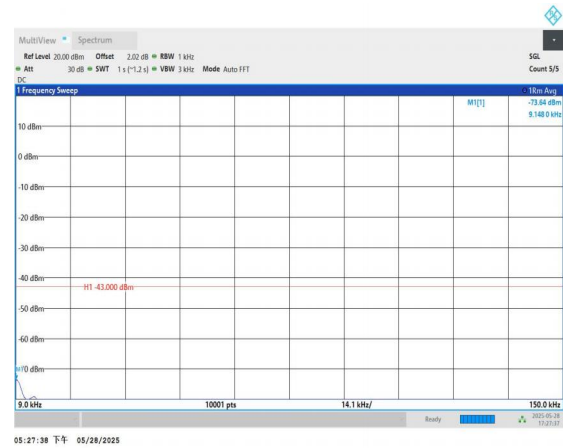
GPRS1900-661-0-3000~20000MHz-PASS



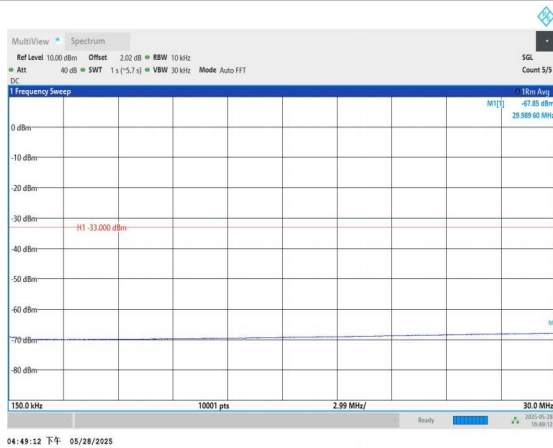
GSM1900-661-0-3000~20000MHz-PASS



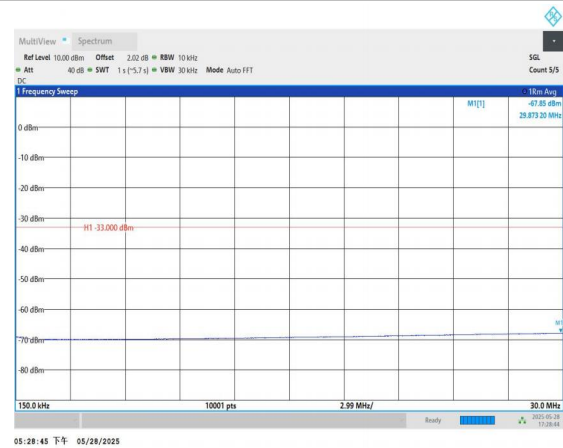
GPRS1900-810-0-0.009~0.15MHz-PASS



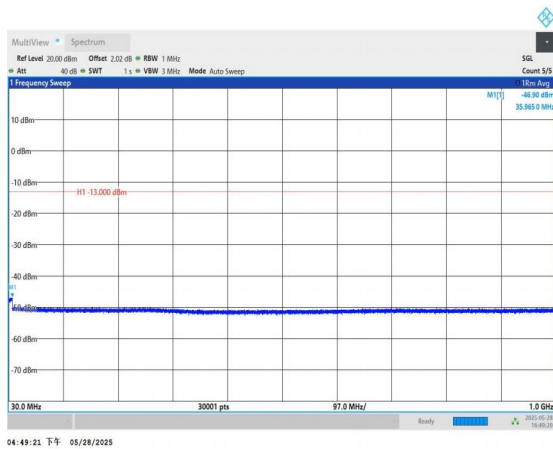
GSM1900-810-0-0.009~0.15MHz-PASS



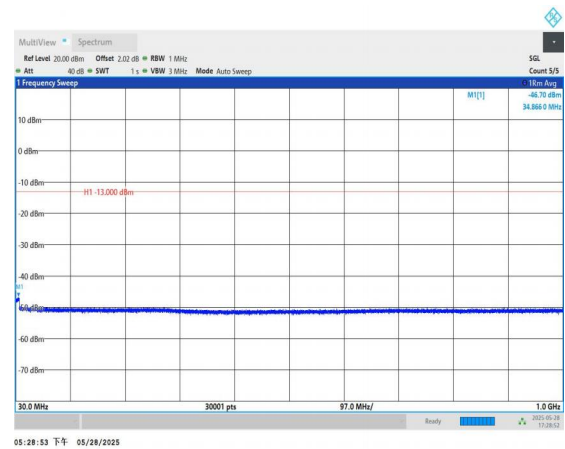
GPRS1900-810-0-0.15~30MHz-PASS



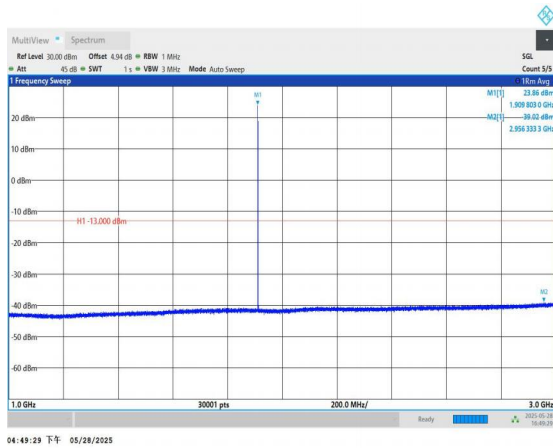
GSM1900-810-0-0.15~30MHz-PASS



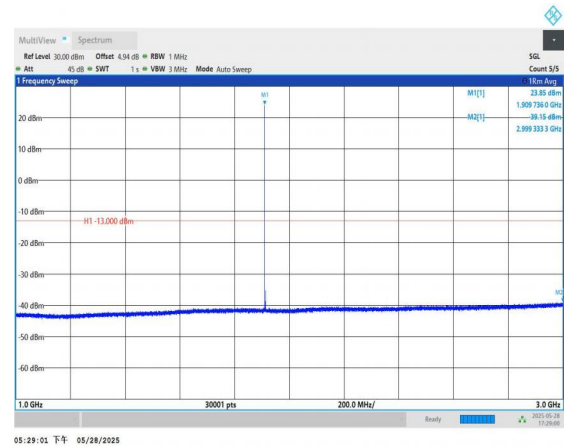
GPRS1900-810-0-30~1000MHz-PASS



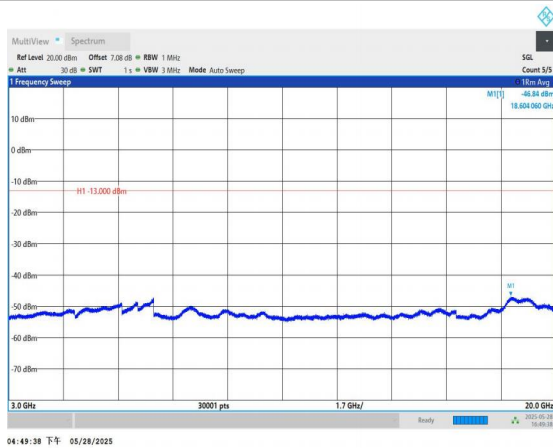
GSM1900-810-0-30~1000MHz-PASS



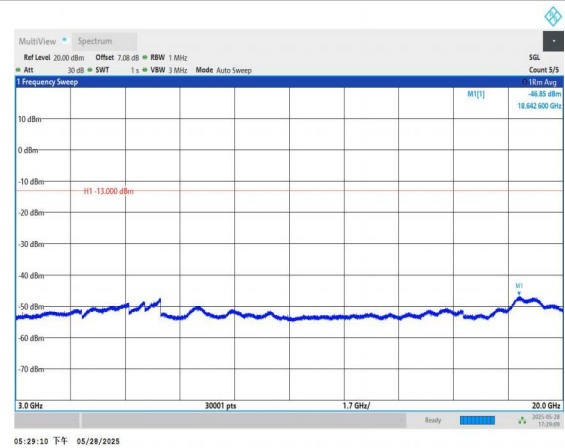
GPRS1900-810-0-1000~3000MHz-PASS



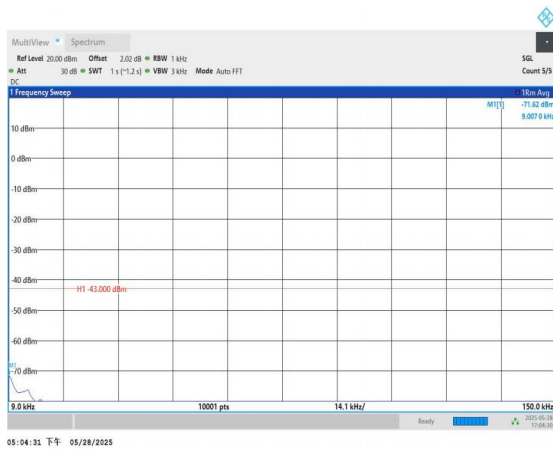
GSM1900-810-0-1000~3000MHz-PASS



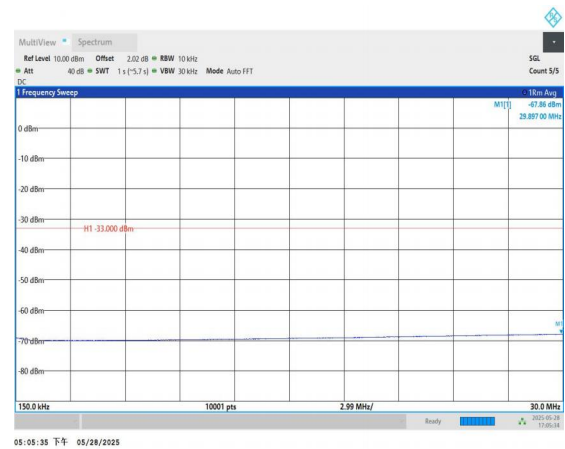
GPRS1900-810-0-3000~20000MHz-PASS



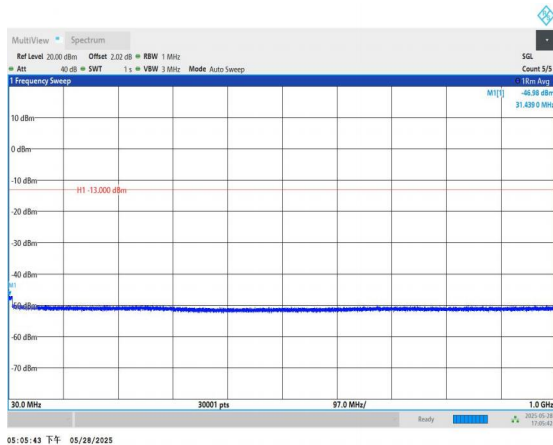
GSM1900-810-0-3000~20000MHz-PASS



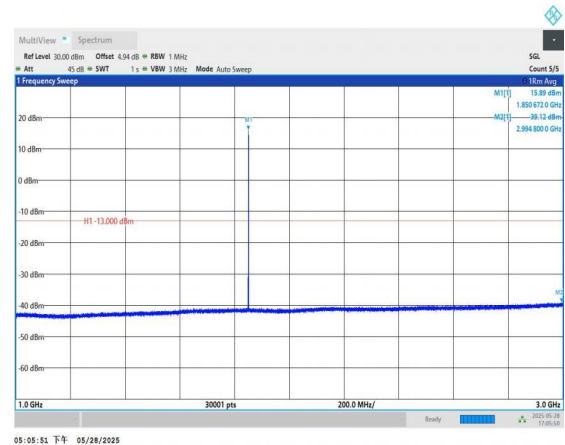
EGPRS1900-512-2-0.009~0.15MHz-PASS



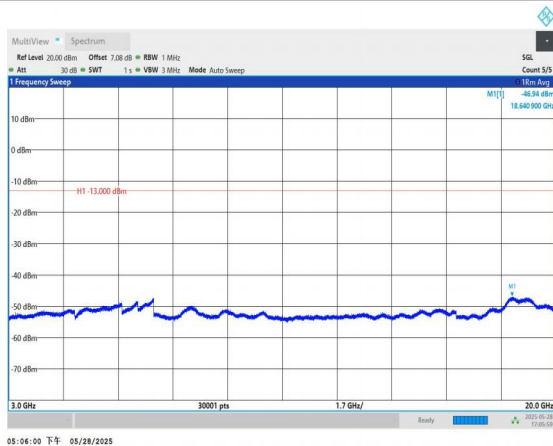
EGPRS1900-512-2-0.15~30MHz-PASS



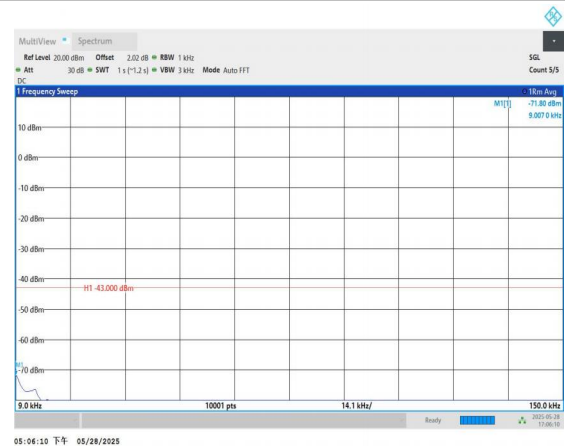
EGPRS1900-512-2-30~1000MHz-PASS



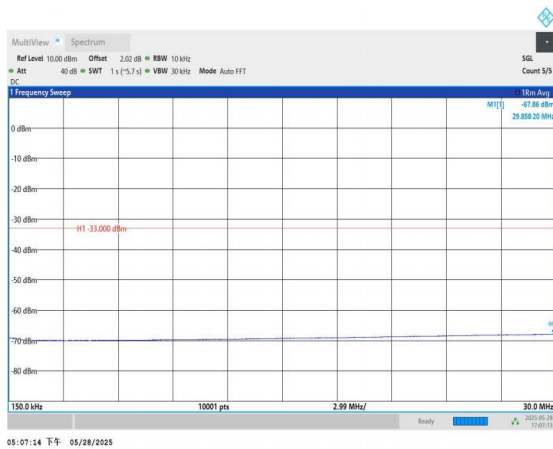
EGPRS1900-512-2-1000~3000MHz-PASS



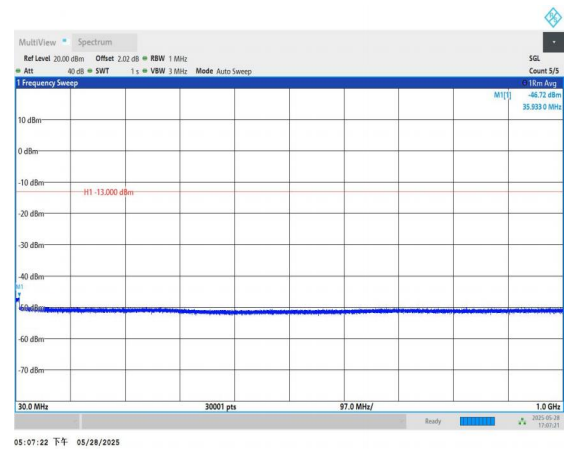
EGPRS1900-512-2-3000~20000MHz-PASS



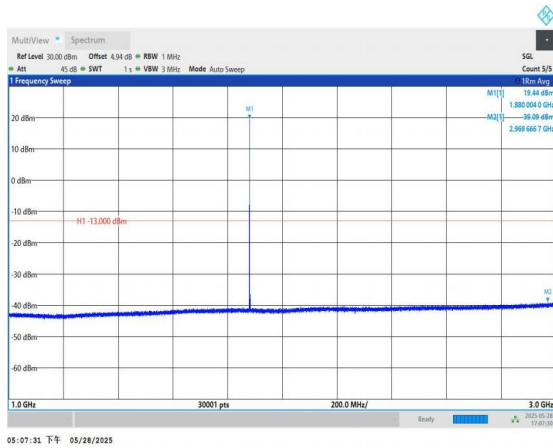
EGPRS1900-661-2-0.009~0.15MHz-PASS



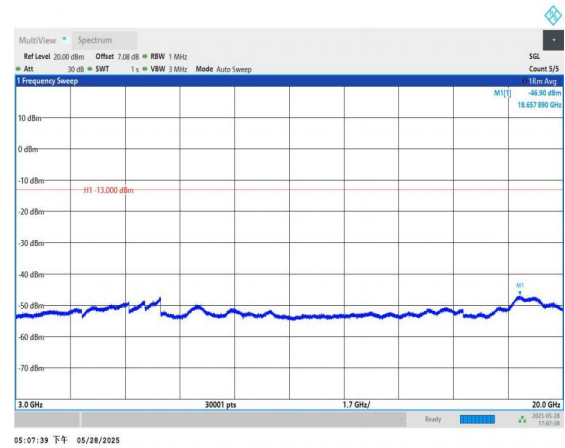
EGPRS1900-661-2-0.15~30MHz-PASS



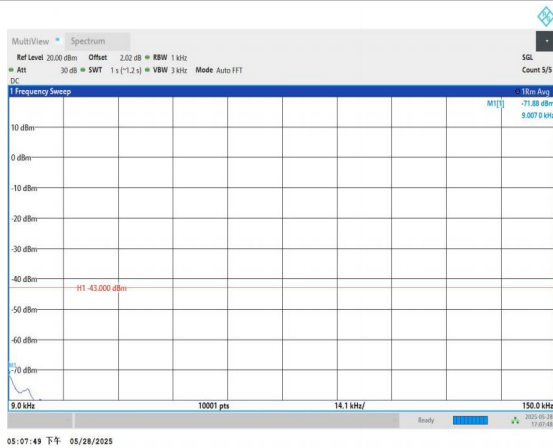
EGPRS1900-661-2-30~1000MHz-PASS



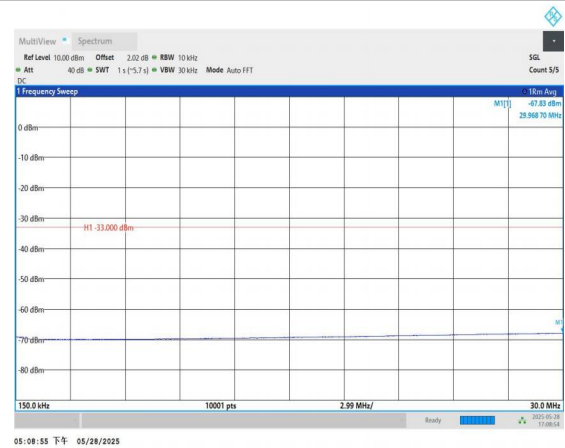
EGPRS1900-661-2-1000~3000MHz-PASS



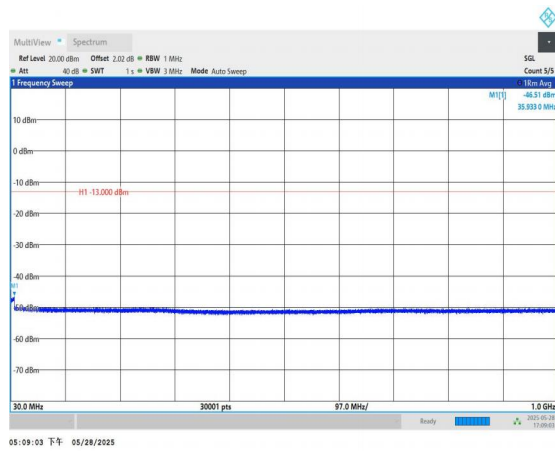
EGPRS1900-661-2-3000~20000MHz-PASS



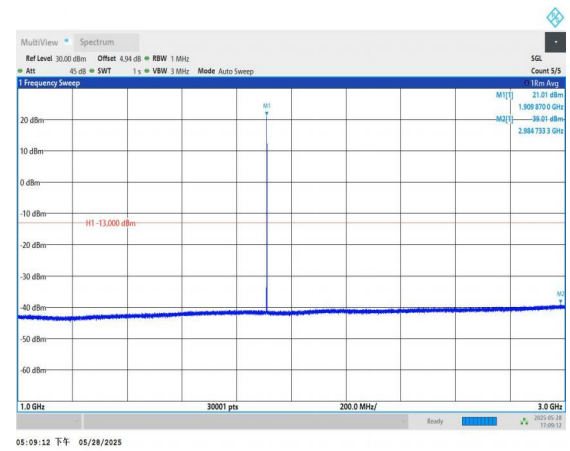
EGPRS1900-810-2-0.009~0.15MHz-PASS



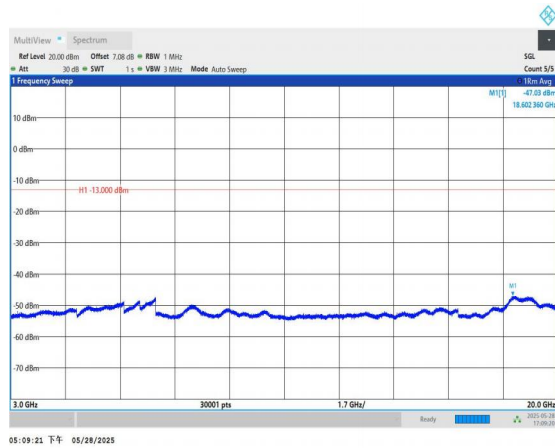
EGPRS1900-810-2-0.15~30MHz-PASS



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



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



EGPRS1900-810-2-3000~20000MHz-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	-2.21	-0.002681	±2.5	PASS
GSM850	128	VL	NT	-1.82	-0.002208	±2.5	PASS
GSM850	128	VH	NT	0.94	0.001140	±2.5	PASS
GPRS850	128	VN	NT	4.52	0.005484	±2.5	PASS
GPRS850	128	VL	NT	4.39	0.005326	±2.5	PASS
GPRS850	128	VH	NT	6.65	0.008068	±2.5	PASS
GSM850	190	VN	NT	4.27	0.005104	±2.5	PASS
GSM850	190	VL	NT	-1.57	-0.001877	±2.5	PASS
GSM850	190	VH	NT	4.99	0.005965	±2.5	PASS
GPRS850	190	VN	NT	1.04	0.001243	±2.5	PASS
GPRS850	190	VL	NT	2.30	0.002749	±2.5	PASS
GPRS850	190	VH	NT	0.86	0.001028	±2.5	PASS
GSM850	251	VN	NT	9.76	0.011499	±2.5	PASS
GSM850	251	VL	NT	6.13	0.007222	±2.5	PASS
GSM850	251	VH	NT	4.72	0.005561	±2.5	PASS
GPRS850	251	VN	NT	4.57	0.005384	±2.5	PASS
GPRS850	251	VL	NT	6.76	0.007964	±2.5	PASS
GPRS850	251	VH	NT	6.74	0.007941	±2.5	PASS
EGPRS850	128	VN	NT	2.33	0.002827	±2.5	PASS
EGPRS850	128	VL	NT	2.66	0.003227	±2.5	PASS
EGPRS850	128	VH	NT	3.54	0.004295	±2.5	PASS
EGPRS850	190	VN	NT	-2.55	-0.003048	±2.5	PASS
EGPRS850	190	VL	NT	-1.02	-0.001219	±2.5	PASS
EGPRS850	190	VH	NT	-2.32	-0.002773	±2.5	PASS
EGPRS850	251	VN	NT	-2.46	-0.002898	±2.5	PASS
EGPRS850	251	VL	NT	-3.34	-0.003935	±2.5	PASS
EGPRS850	251	VH	NT	-1.45	-0.001708	±2.5	PASS
GPRS1900	512	VN	NT	9.23	0.004989	±2.5	PASS
GPRS1900	512	VL	NT	9.11	0.004924	±2.5	PASS
GPRS1900	512	VH	NT	9.93	0.005367	±2.5	PASS
GSM1900	512	VN	NT	4.64	0.002508	±2.5	PASS
GSM1900	512	VL	NT	5.76	0.003113	±2.5	PASS



GSM1900	512	VH	NT	5.06	0.002735	±2.5	PASS
GPRS1900	661	VN	NT	7.12	0.003787	±2.5	PASS
GPRS1900	661	VL	NT	10.13	0.005388	±2.5	PASS
GPRS1900	661	VH	NT	8.05	0.004282	±2.5	PASS
GSM1900	661	VN	NT	7.07	0.003761	±2.5	PASS
GSM1900	661	VL	NT	3.00	0.001596	±2.5	PASS
GSM1900	661	VH	NT	9.39	0.004995	±2.5	PASS
GPRS1900	810	VN	NT	4.58	0.002398	±2.5	PASS
GPRS1900	810	VL	NT	6.56	0.003435	±2.5	PASS
GPRS1900	810	VH	NT	7.37	0.003859	±2.5	PASS
GSM1900	810	VN	NT	6.42	0.003362	±2.5	PASS
GSM1900	810	VL	NT	6.00	0.003142	±2.5	PASS
GSM1900	810	VH	NT	9.07	0.004749	±2.5	PASS
EGPRS1900	512	VN	NT	-7.78	-0.004205	±2.5	PASS
EGPRS1900	512	VL	NT	-6.63	-0.003583	±2.5	PASS
EGPRS1900	512	VH	NT	-8.99	-0.004859	±2.5	PASS
EGPRS1900	661	VN	NT	-6.04	-0.003213	±2.5	PASS
EGPRS1900	661	VL	NT	-6.86	-0.003649	±2.5	PASS
EGPRS1900	661	VH	NT	-8.22	-0.004372	±2.5	PASS
EGPRS1900	810	VN	NT	-5.49	-0.002875	±2.5	PASS
EGPRS1900	810	VL	NT	-5.03	-0.002634	±2.5	PASS
EGPRS1900	810	VH	NT	-3.11	-0.001628	±2.5	PASS

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	NV	-30	-0.72	-0.000874	±2.5	PASS
GSM850	128	NV	-20	-3.25	-0.003943	±2.5	PASS
GSM850	128	NV	-10	0.47	0.000570	±2.5	PASS
GSM850	128	NV	0	1.08	0.001310	±2.5	PASS
GSM850	128	NV	10	1.54	0.001868	±2.5	PASS
GSM850	128	NV	20	6.74	0.008178	±2.5	PASS
GSM850	128	NV	30	5.04	0.006115	±2.5	PASS
GSM850	128	NV	40	-0.18	-0.000218	±2.5	PASS
GSM850	128	NV	50	6.12	0.007425	±2.5	PASS
GPRS850	128	NV	-30	3.24	0.003931	±2.5	PASS
GPRS850	128	NV	-20	1.87	0.002269	±2.5	PASS
GPRS850	128	NV	-10	4.95	0.006006	±2.5	PASS
GPRS850	128	NV	0	3.58	0.004344	±2.5	PASS



GPRS850	128	NV	10	3.52	0.004271	±2.5	PASS
GPRS850	128	NV	20	3.51	0.004259	±2.5	PASS
GPRS850	128	NV	30	4.34	0.005266	±2.5	PASS
GPRS850	128	NV	40	2.70	0.003276	±2.5	PASS
GPRS850	128	NV	50	2.64	0.003203	±2.5	PASS
GSM850	190	NV	-30	5.35	0.006395	±2.5	PASS
GSM850	190	NV	-20	4.85	0.005797	±2.5	PASS
GSM850	190	NV	-10	6.21	0.007423	±2.5	PASS
GSM850	190	NV	0	4.44	0.005307	±2.5	PASS
GSM850	190	NV	10	4.82	0.005761	±2.5	PASS
GSM850	190	NV	20	-0.71	-0.000849	±2.5	PASS
GSM850	190	NV	30	2.48	0.002964	±2.5	PASS
GSM850	190	NV	40	4.62	0.005522	±2.5	PASS
GSM850	190	NV	50	4.06	0.004853	±2.5	PASS
GPRS850	190	NV	-30	1.89	0.002259	±2.5	PASS
GPRS850	190	NV	-20	1.64	0.001960	±2.5	PASS
GPRS850	190	NV	-10	0.45	0.000538	±2.5	PASS
GPRS850	190	NV	0	2.46	0.002940	±2.5	PASS
GPRS850	190	NV	10	1.35	0.001614	±2.5	PASS
GPRS850	190	NV	20	1.98	0.002367	±2.5	PASS
GPRS850	190	NV	30	1.94	0.002319	±2.5	PASS
GPRS850	190	NV	40	2.79	0.003335	±2.5	PASS
GPRS850	190	NV	50	2.53	0.003024	±2.5	PASS
GSM850	251	NV	-30	3.43	0.004041	±2.5	PASS
GSM850	251	NV	-20	6.38	0.007516	±2.5	PASS
GSM850	251	NV	-10	5.64	0.006645	±2.5	PASS
GSM850	251	NV	0	1.67	0.001967	±2.5	PASS
GSM850	251	NV	10	3.47	0.004088	±2.5	PASS
GSM850	251	NV	20	4.74	0.005584	±2.5	PASS
GSM850	251	NV	30	5.08	0.005985	±2.5	PASS
GSM850	251	NV	40	4.14	0.004877	±2.5	PASS
GSM850	251	NV	50	5.03	0.005926	±2.5	PASS
GPRS850	251	NV	-30	8.57	0.010097	±2.5	PASS
GPRS850	251	NV	-20	8.39	0.009885	±2.5	PASS
GPRS850	251	NV	-10	10.28	0.012111	±2.5	PASS
GPRS850	251	NV	0	8.86	0.010438	±2.5	PASS
GPRS850	251	NV	10	11.37	0.013395	±2.5	PASS
GPRS850	251	NV	20	10.67	0.012571	±2.5	PASS
GPRS850	251	NV	30	11.27	0.013278	±2.5	PASS



GPRS850	251	NV	40	12.82	0.015104	±2.5	PASS
GPRS850	251	NV	50	14.39	0.016953	±2.5	PASS
EGPRS850	128	NV	-30	5.29	0.006418	±2.5	PASS
EGPRS850	128	NV	-20	2.57	0.003118	±2.5	PASS
EGPRS850	128	NV	-10	1.19	0.001444	±2.5	PASS
EGPRS850	128	NV	0	-0.97	-0.001177	±2.5	PASS
EGPRS850	128	NV	10	0.99	0.001201	±2.5	PASS
EGPRS850	128	NV	20	-0.25	-0.000303	±2.5	PASS
EGPRS850	128	NV	30	-1.57	-0.001905	±2.5	PASS
EGPRS850	128	NV	40	-0.73	-0.000886	±2.5	PASS
EGPRS850	128	NV	50	0.02	0.000024	±2.5	PASS
EGPRS850	190	NV	-30	0.27	0.000323	±2.5	PASS
EGPRS850	190	NV	-20	-1.84	-0.002199	±2.5	PASS
EGPRS850	190	NV	-10	0.09	0.000108	±2.5	PASS
EGPRS850	190	NV	0	0.74	0.000885	±2.5	PASS
EGPRS850	190	NV	10	-1.83	-0.002187	±2.5	PASS
EGPRS850	190	NV	20	-2.14	-0.002558	±2.5	PASS
EGPRS850	190	NV	30	-0.47	-0.000562	±2.5	PASS
EGPRS850	190	NV	40	-3.44	-0.004112	±2.5	PASS
EGPRS850	190	NV	50	-2.74	-0.003275	±2.5	PASS
EGPRS850	251	NV	-30	-1.87	-0.002203	±2.5	PASS
EGPRS850	251	NV	-20	2.04	0.002403	±2.5	PASS
EGPRS850	251	NV	-10	0.62	0.000730	±2.5	PASS
EGPRS850	251	NV	0	2.46	0.002898	±2.5	PASS
EGPRS850	251	NV	10	1.60	0.001885	±2.5	PASS
EGPRS850	251	NV	20	0.06	0.000071	±2.5	PASS
EGPRS850	251	NV	30	1.73	0.002038	±2.5	PASS
EGPRS850	251	NV	40	2.19	0.002580	±2.5	PASS
EGPRS850	251	NV	50	1.58	0.001861	±2.5	PASS
GPRS1900	512	NV	-30	7.81	0.004221	±2.5	PASS
GPRS1900	512	NV	-20	10.14	0.005480	±2.5	PASS
GPRS1900	512	NV	-10	7.35	0.003973	±2.5	PASS
GPRS1900	512	NV	0	8.60	0.004648	±2.5	PASS
GPRS1900	512	NV	10	5.74	0.003102	±2.5	PASS
GPRS1900	512	NV	20	11.59	0.006264	±2.5	PASS
GPRS1900	512	NV	30	9.23	0.004989	±2.5	PASS
GPRS1900	512	NV	40	10.63	0.005745	±2.5	PASS
GPRS1900	512	NV	50	5.48	0.002962	±2.5	PASS
GSM1900	512	NV	-30	10.91	0.005897	±2.5	PASS



GSM1900	512	NV	-20	7.37	0.003983	±2.5	PASS
GSM1900	512	NV	-10	-2.33	-0.001259	±2.5	PASS
GSM1900	512	NV	0	1.01	0.000546	±2.5	PASS
GSM1900	512	NV	10	8.39	0.004535	±2.5	PASS
GSM1900	512	NV	20	-5.49	-0.002967	±2.5	PASS
GSM1900	512	NV	30	5.10	0.002756	±2.5	PASS
GSM1900	512	NV	40	-0.23	-0.000124	±2.5	PASS
GSM1900	512	NV	50	9.75	0.005270	±2.5	PASS
GPRS1900	661	NV	-30	9.27	0.004931	±2.5	PASS
GPRS1900	661	NV	-20	11.96	0.006362	±2.5	PASS
GPRS1900	661	NV	-10	8.68	0.004617	±2.5	PASS
GPRS1900	661	NV	0	8.18	0.004351	±2.5	PASS
GPRS1900	661	NV	10	9.85	0.005239	±2.5	PASS
GPRS1900	661	NV	20	9.08	0.004830	±2.5	PASS
GPRS1900	661	NV	30	13.11	0.006973	±2.5	PASS
GPRS1900	661	NV	40	5.34	0.002840	±2.5	PASS
GPRS1900	661	NV	50	8.39	0.004463	±2.5	PASS
GSM1900	661	NV	-30	1.64	0.000872	±2.5	PASS
GSM1900	661	NV	-20	0.91	0.000484	±2.5	PASS
GSM1900	661	NV	-10	3.27	0.001739	±2.5	PASS
GSM1900	661	NV	0	6.28	0.003340	±2.5	PASS
GSM1900	661	NV	10	-3.28	-0.001745	±2.5	PASS
GSM1900	661	NV	20	7.25	0.003856	±2.5	PASS
GSM1900	661	NV	30	0.67	0.000356	±2.5	PASS
GSM1900	661	NV	40	11.77	0.006261	±2.5	PASS
GSM1900	661	NV	50	5.85	0.003112	±2.5	PASS
GPRS1900	810	NV	-30	6.11	0.003199	±2.5	PASS
GPRS1900	810	NV	-20	5.02	0.002629	±2.5	PASS
GPRS1900	810	NV	-10	6.12	0.003205	±2.5	PASS
GPRS1900	810	NV	0	7.24	0.003791	±2.5	PASS
GPRS1900	810	NV	10	6.41	0.003356	±2.5	PASS
GPRS1900	810	NV	20	6.52	0.003414	±2.5	PASS
GPRS1900	810	NV	30	5.30	0.002775	±2.5	PASS
GPRS1900	810	NV	40	3.89	0.002037	±2.5	PASS
GPRS1900	810	NV	50	2.82	0.001477	±2.5	PASS
GSM1900	810	NV	-30	-2.42	-0.001267	±2.5	PASS
GSM1900	810	NV	-20	-0.01	-0.000005	±2.5	PASS
GSM1900	810	NV	-10	1.54	0.000806	±2.5	PASS
GSM1900	810	NV	0	0.63	0.000330	±2.5	PASS



GSM1900	810	NV	10	-2.98	-0.001560	±2.5	PASS
GSM1900	810	NV	20	-2.59	-0.001356	±2.5	PASS
GSM1900	810	NV	30	2.80	0.001466	±2.5	PASS
GSM1900	810	NV	40	-1.42	-0.000744	±2.5	PASS
GSM1900	810	NV	50	2.98	0.001560	±2.5	PASS
EGPRS1900	512	NV	-30	-6.15	-0.003324	±2.5	PASS
EGPRS1900	512	NV	-20	-9.38	-0.005070	±2.5	PASS
EGPRS1900	512	NV	-10	-6.12	-0.003308	±2.5	PASS
EGPRS1900	512	NV	0	-11.40	-0.006161	±2.5	PASS
EGPRS1900	512	NV	10	-7.11	-0.003843	±2.5	PASS
EGPRS1900	512	NV	20	-6.34	-0.003427	±2.5	PASS
EGPRS1900	512	NV	30	-6.73	-0.003637	±2.5	PASS
EGPRS1900	512	NV	40	-9.99	-0.005399	±2.5	PASS
EGPRS1900	512	NV	50	-6.94	-0.003751	±2.5	PASS
EGPRS1900	661	NV	-30	-5.51	-0.002931	±2.5	PASS
EGPRS1900	661	NV	-20	-1.68	-0.000894	±2.5	PASS
EGPRS1900	661	NV	-10	-5.88	-0.003128	±2.5	PASS
EGPRS1900	661	NV	0	-4.53	-0.002410	±2.5	PASS
EGPRS1900	661	NV	10	-7.32	-0.003894	±2.5	PASS
EGPRS1900	661	NV	20	-3.95	-0.002101	±2.5	PASS
EGPRS1900	661	NV	30	-5.68	-0.003021	±2.5	PASS
EGPRS1900	661	NV	40	-1.64	-0.000872	±2.5	PASS
EGPRS1900	661	NV	50	-5.05	-0.002686	±2.5	PASS
EGPRS1900	810	NV	-30	-2.29	-0.001199	±2.5	PASS
EGPRS1900	810	NV	-20	-2.55	-0.001335	±2.5	PASS
EGPRS1900	810	NV	-10	-3.84	-0.002011	±2.5	PASS
EGPRS1900	810	NV	0	-9.88	-0.005173	±2.5	PASS
EGPRS1900	810	NV	10	-8.40	-0.004398	±2.5	PASS
EGPRS1900	810	NV	20	-10.78	-0.005645	±2.5	PASS
EGPRS1900	810	NV	30	-8.51	-0.004456	±2.5	PASS
EGPRS1900	810	NV	40	-8.45	-0.004425	±2.5	PASS
EGPRS1900	810	NV	50	-8.33	-0.004362	±2.5	PASS