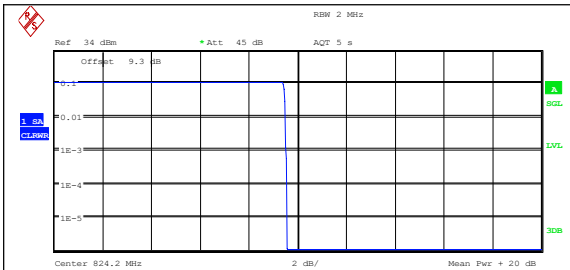
Appendix A : Peak-to-Average Ratio(CCDF)

Test Result

Band	Channel	Result(dB)	Limit(dB)	Verdict
GSM850	128	9.52	13	PASS
GPRS850	128	9.71	13	PASS
EGPRS850	128	12.79	13	PASS
GSM850	190	9.55	13	PASS
GPRS850	190	9.74	13	PASS
EGPRS850	190	12.76	13	PASS
GSM850	251	9.55	13	PASS
GPRS850	251	9.71	13	PASS
EGPRS850	251	12.72	13	PASS

Test Graphs

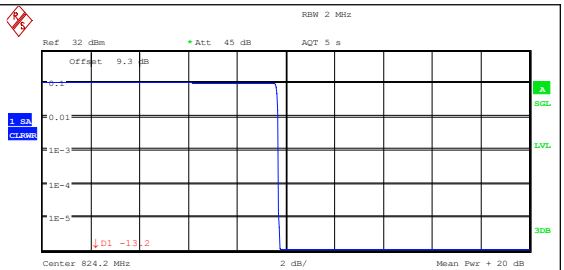


Complementary Cumulative Distribution Function (10000000 samples)

	Trace 1
Mean	23.10 dBm
Peak	32.67 dBm
Crest	9.57 dB
10 %	9.39 dB
1 %	9.52 dB
.1 %	9.52 dB
.01 %	9.58 dB

Date: 13.FEB.2025 14:26:09

GSM850-128-5-PASS

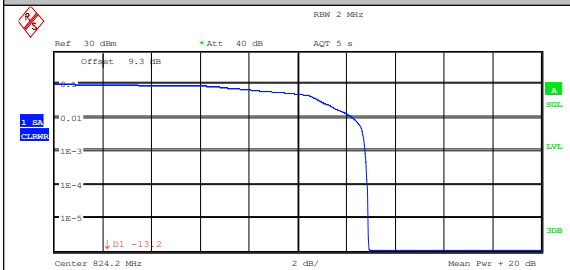


Complementary Cumulative Distribution Function (10000000 samples)

	Trace 1
Mean	22.97 dBm
Peak	32.72 dBm
Crest	9.75 dB
10 %	9.55 dB
1 %	9.68 dB
.1 %	9.71 dB
.01 %	9.71 dB

Date: 13.FEB.2025 14:43:28

GPRS850-128-5-PASS

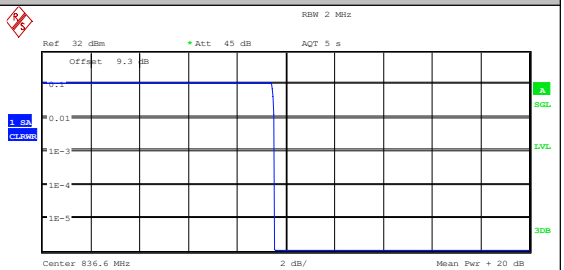


Complementary Cumulative Distribution Function (10000000 samples)

	Trace 1
Mean	16.11 dBm
Peak	29.07 dBm
Crest	12.97 dB
10 %	2.28 dB
1 %	12.24 dB
.1 %	12.79 dB
.01 %	12.88 dB

Date: 13.FEB.2025 14:59:29

EGPRS850-128-8-PASS

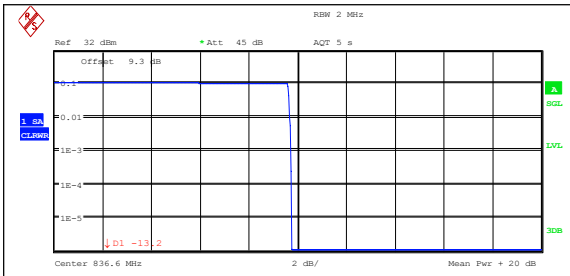


Complementary Cumulative Distribution Function (10000000 samples)

	Trace 1
Mean	22.78 dBm
Peak	32.36 dBm
Crest	9.59 dB
10 %	9.42 dB
1 %	9.52 dB
.1 %	9.55 dB
.01 %	9.55 dB

Date: 13.FEB.2025 14:28:23

GSM850-190-5-PASS

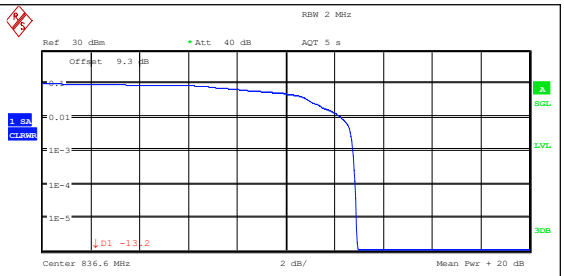


Complementary Cumulative Distribution Function (10000000 samples)

	Trace 1
Mean	22.63 dBm
Peak	32.36 dBm
Crest	9.73 dB
10 %	9.58 dB
1 %	9.68 dB
.1 %	9.74 dB
.01 %	9.78 dB

Date: 13.FEB.2025 14:45:43

GPRS850-190-5-PASS

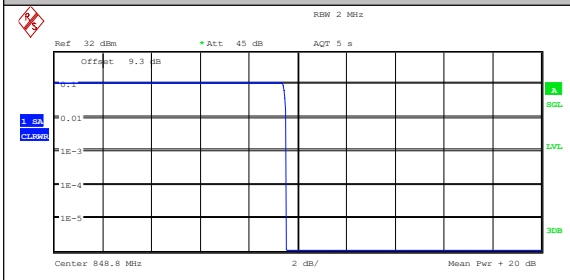


Complementary Cumulative Distribution Function (10000000 samples)

	Trace 1
Mean	16.27 dBm
Peak	29.21 dBm
Crest	12.95 dB
10 %	2.21 dB
1 %	12.28 dB
.1 %	12.76 dB
.01 %	12.85 dB

Date: 13.FEB.2025 14:59:56

EGPRS850-190-8-PASS

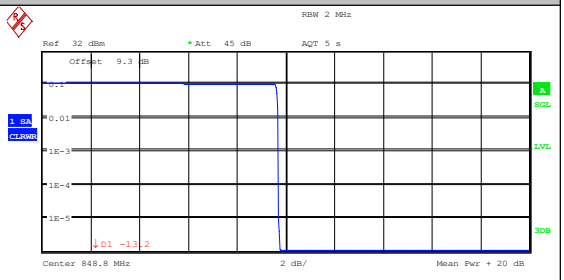


Complementary Cumulative Distribution Function (10000000 samples)

	Trace 1
Mean	22.62 dBm
Peak	32.15 dBm
Crest	9.53 dB
10 %	9.39 dB
1 %	9.52 dB
.1 %	9.55 dB
.01 %	9.55 dB

Date: 13.FEB.2025 14:30:36

GSM850-251-5-PASS

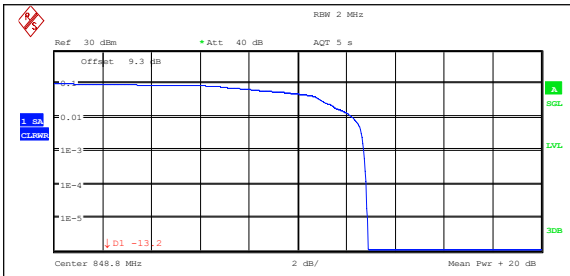


Complementary Cumulative Distribution Function (10000000 samples)

	Trace 1
Mean	22.47 dBm
Peak	32.22 dBm
Crest	9.75 dB
10 %	9.58 dB
1 %	9.68 dB
.1 %	9.71 dB
.01 %	9.71 dB

Date: 13.FEB.2025 14:47:57

GPRS850-251-5-PASS



Complementary Cumulative Distribution Function (10000000 samples)

	Trace 1
Mean	16.46 dBm
Peak	29.36 dBm
Crest	12.89 dB
10 %	2.21 dB
1 %	12.24 dB
.1 %	12.72 dB
.01 %	12.82 dB

Date: 13.FEB.2025 15:00:23

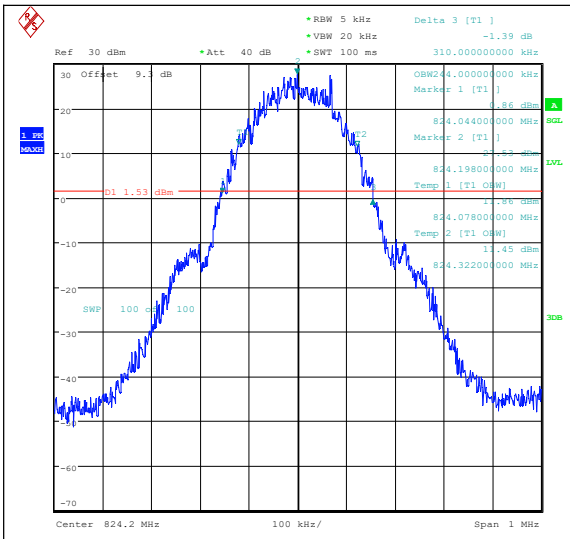
EGPRS850-251-8-PASS

Appendix B : 26dB Bandwidth and Occupied Bandwidth

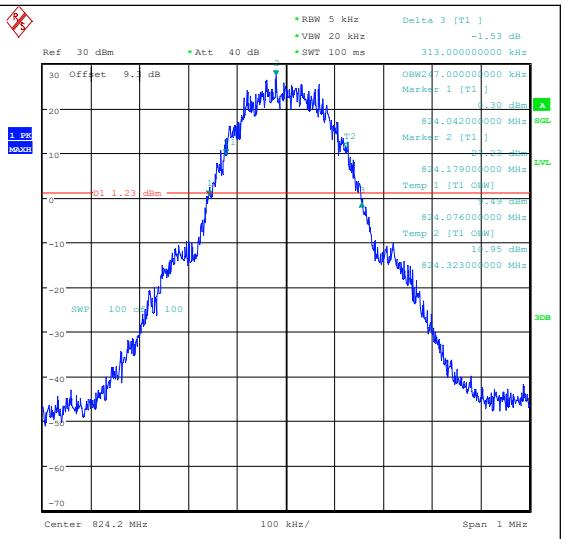
Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GSM850	128	0.244	0.31	---	PASS
GPRS850	128	0.247	0.31	---	PASS
EGPRS850	128	0.248	0.30	---	PASS
GSM850	190	0.246	0.31	---	PASS
GPRS850	190	0.246	0.32	---	PASS
EGPRS850	190	0.246	0.30	---	PASS
GSM850	251	0.245	0.31	---	PASS
GPRS850	251	0.243	0.31	---	PASS
EGPRS850	251	0.245	0.32	---	PASS

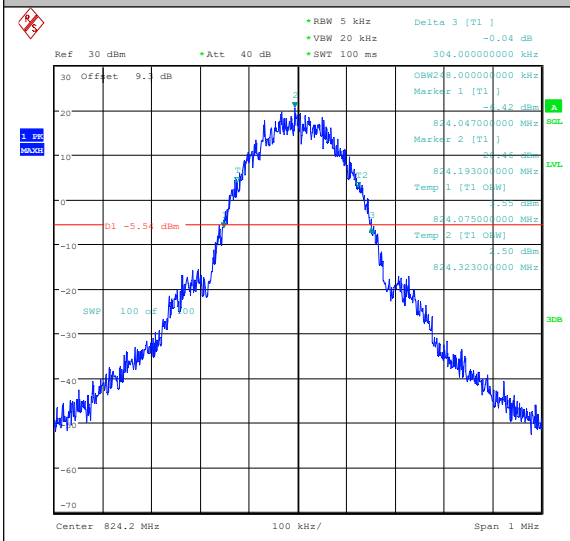
Test Graphs



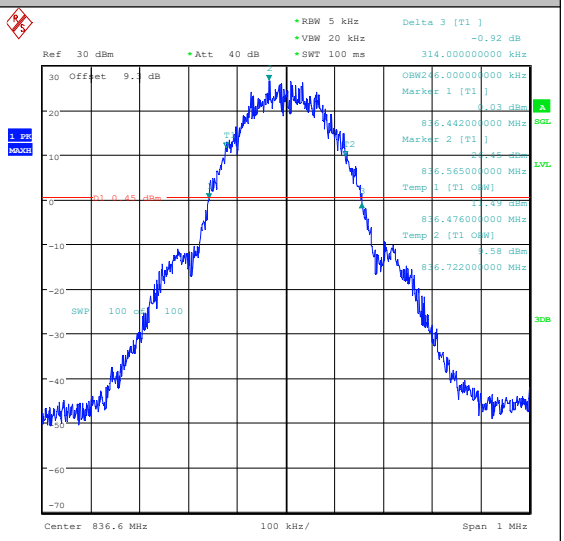
GSM850-128-5-PASS



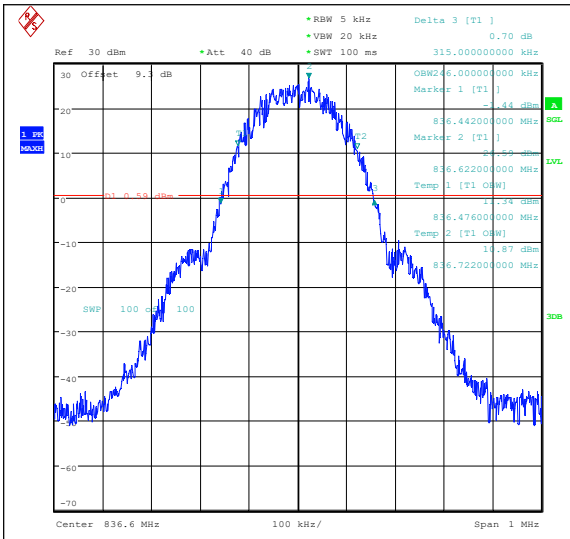
GPRS850-128-5-PASS



EGPRS850-128-8-PASS

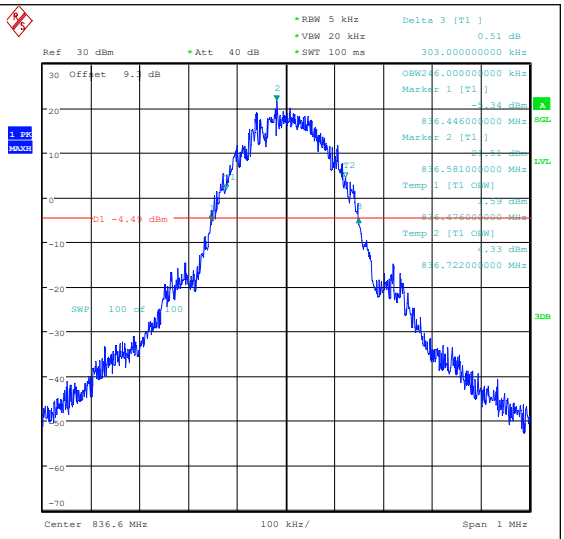


GSM850-190-5-PASS



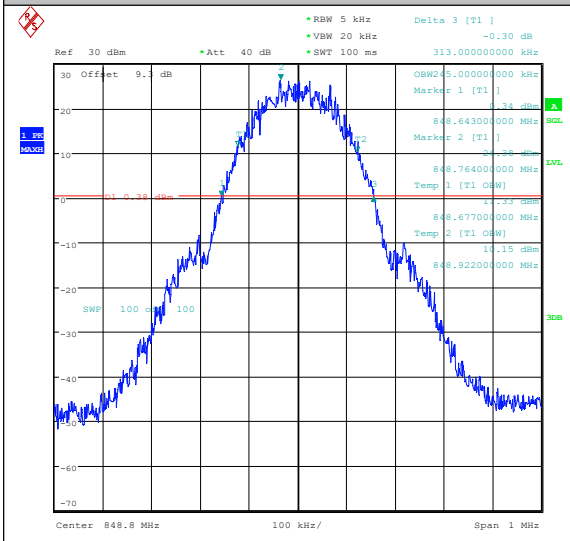
Date: 13.FEB.2025 14:50:58

GPRS850-190-5-PASS



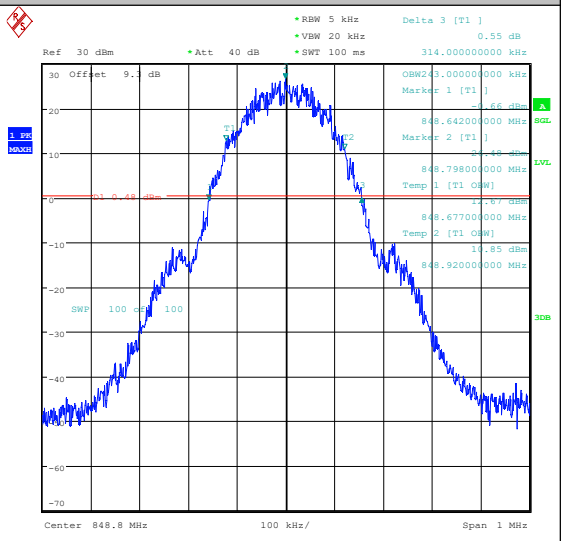
Date: 13.FEB.2025 15:03:23

EGPRS850-190-8-PASS



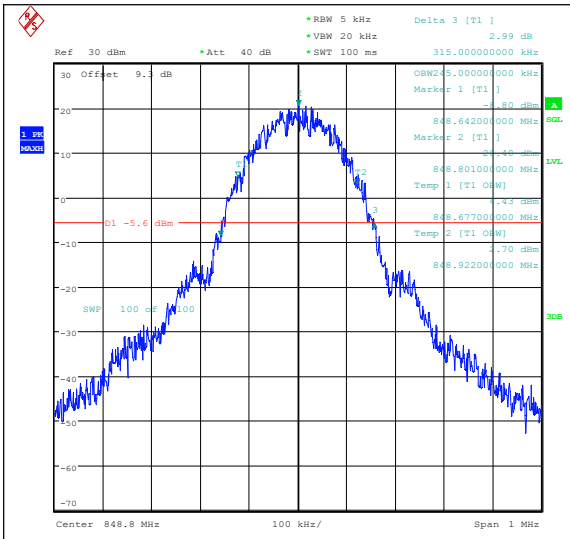
Date: 13.FEB.2025 14:33:49

GSM850-251-5-PASS



Date: 13.FEB.2025 14:51:17

GPRS850-251-5-PASS



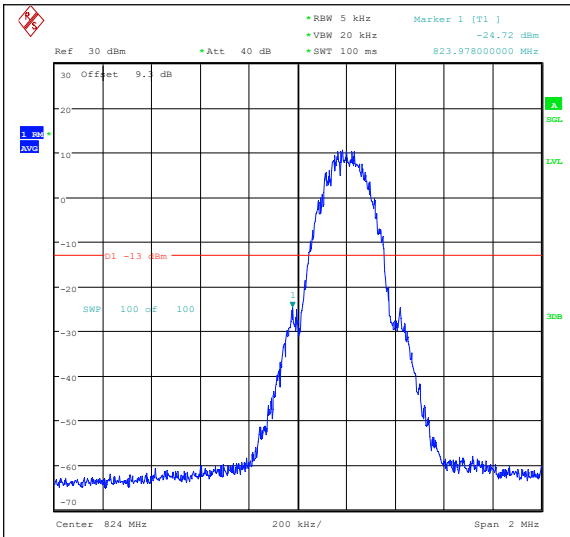
EGPRS850-251-8-PASS

Appendix C : Band Edge

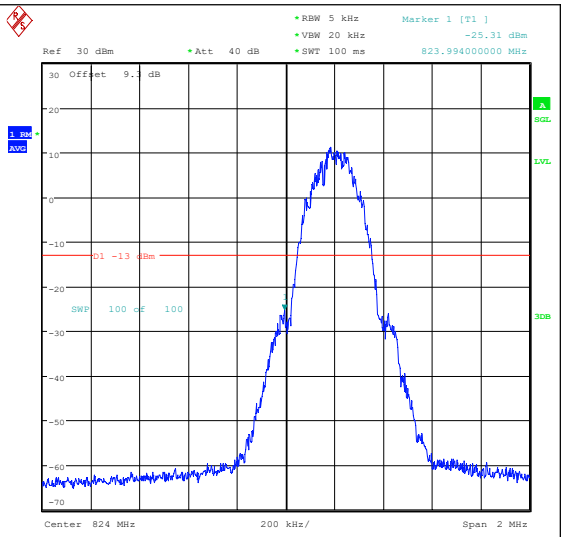
Test Result

Band	Channel	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GSM850	128	823.98	-24.72	-13	PASS
GPRS850	128	823.99	-25.31	-13	PASS
EGPRS850	128	823.99	-32.35	-13	PASS
GSM850	251	849.01	-25.28	-13	PASS
GPRS850	251	849.00	-26.07	-13	PASS
EGPRS850	251	849.00	-31.95	-13	PASS

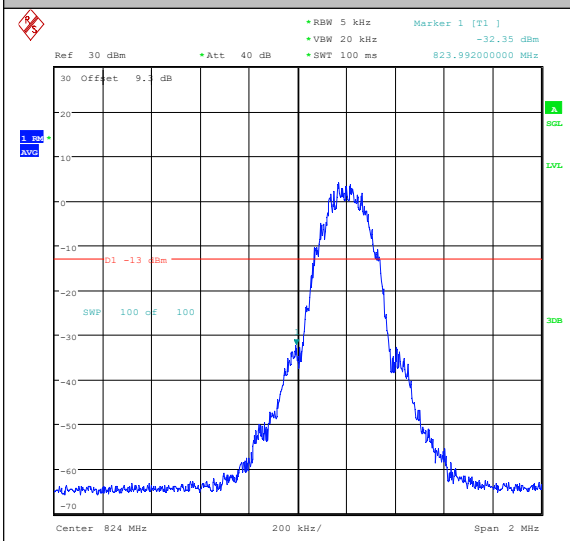
Test Graphs



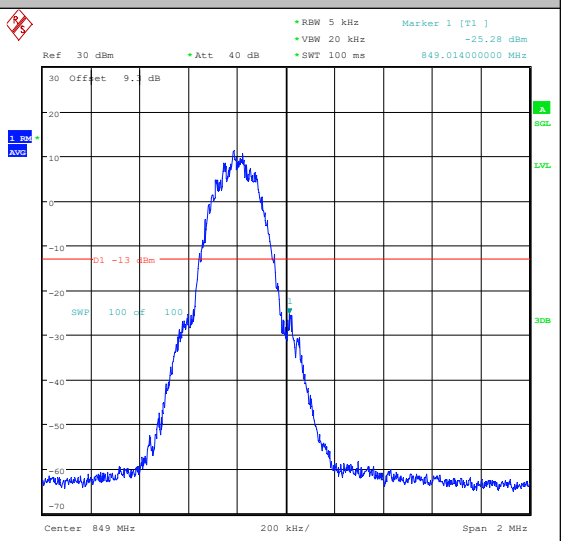
GSM850-128-5-PASS



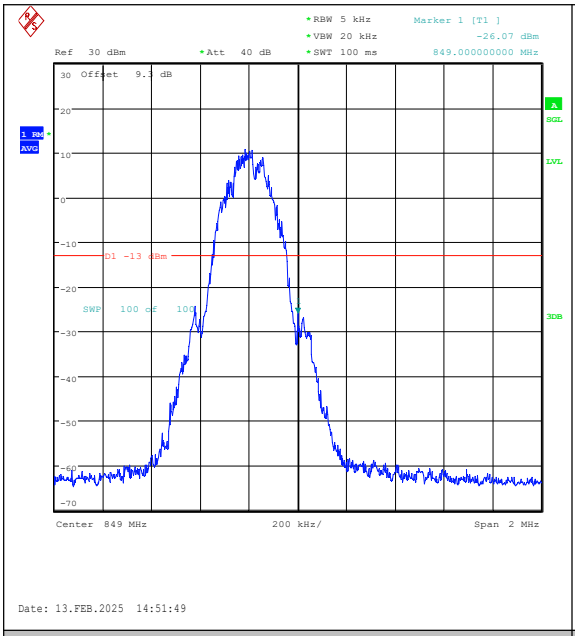
GPRS850-128-5-PASS



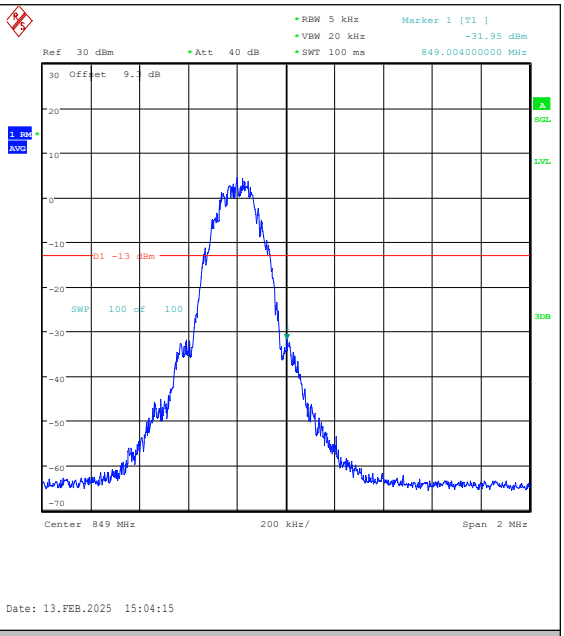
EGPRS850-128-8-PASS



GSM850-251-5-PASS



GPRS850-251-5-PASS



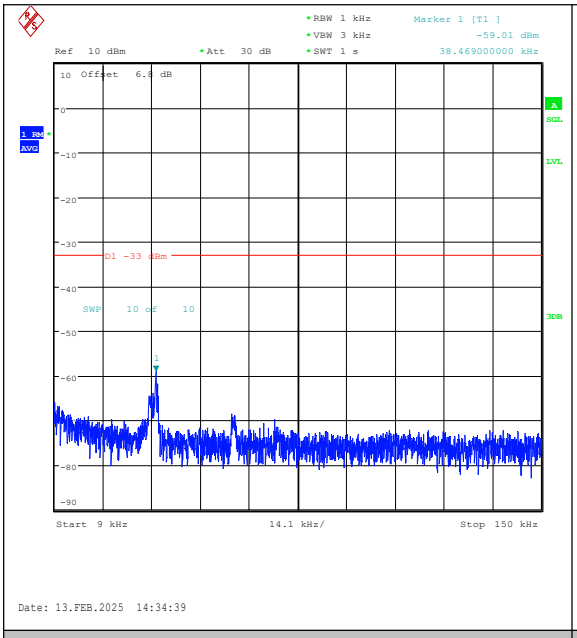
EGPRS850-251-8-PASS

Appendix D : Conducted Spurious Emission

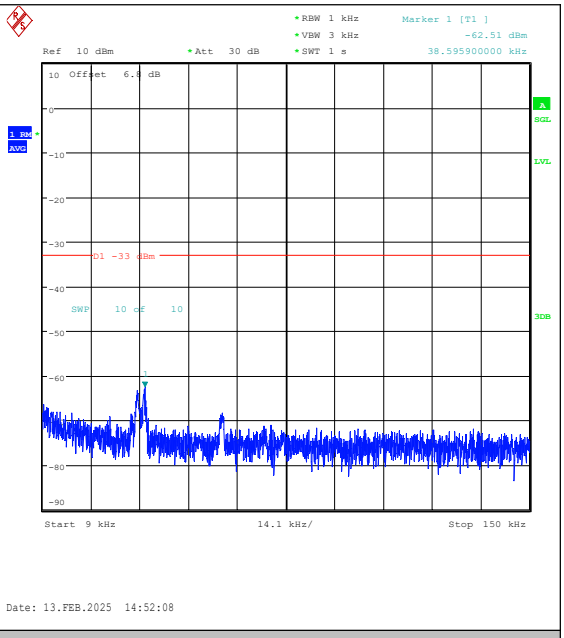
Test Result

Band	Channel	Frequency Range(MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
GSM850	128	0.009~0.15MHz	0.04	-59.01	-33	PASS
GPRS850	128	0.009~0.15MHz	0.04	-62.51	-33	PASS
GSM850	128	0.15~30MHz	0.16	-52.48	-23	PASS
GPRS850	128	0.15~30MHz	0.17	-51.97	-23	PASS
GSM850	128	30~1000MHz	970.35	-45.1	-13	PASS
GPRS850	128	30~1000MHz	374.41	-45.17	-13	PASS
GSM850	128	1000~10000MHz	1648.3	-31.59	-13	PASS
GPRS850	128	1000~10000MHz	1648.3	-30.11	-13	PASS
EGPRS850	128	0.009~0.15MHz	0.04	-62.86	-33	PASS
EGPRS850	128	0.15~30MHz	0.18	-52.78	-23	PASS
EGPRS850	128	30~1000MHz	961.01	-45.31	-13	PASS
EGPRS850	128	1000~10000MHz	3175	-44.19	-13	PASS
GSM850	190	0.009~0.15MHz	0.04	-60.47	-33	PASS
GPRS850	190	0.009~0.15MHz	0.04	-60.2	-33	PASS
GSM850	190	0.15~30MHz	0.18	-53.06	-23	PASS
GPRS850	190	0.15~30MHz	0.16	-52.73	-23	PASS
GSM850	190	30~1000MHz	184.84	-45.16	-13	PASS
GPRS850	190	30~1000MHz	561.79	-45.3	-13	PASS
GSM850	190	1000~10000MHz	1673.2	-35.37	-13	PASS
GPRS850	190	1000~10000MHz	2509.6	-42.38	-13	PASS
EGPRS850	190	0.009~0.15MHz	0.04	-62.73	-33	PASS
EGPRS850	190	0.15~30MHz	0.17	-53.49	-23	PASS
EGPRS850	190	30~1000MHz	949.88	-45.42	-13	PASS
EGPRS850	190	1000~10000MHz	3174.7	-43.61	-13	PASS
GSM850	251	0.009~0.15MHz	0.04	-61.05	-33	PASS
GPRS850	251	0.009~0.15MHz	0.04	-63.71	-33	PASS
GSM850	251	0.15~30MHz	0.19	-52.82	-23	PASS
GPRS850	251	0.15~30MHz	0.17	-52.98	-23	PASS
GSM850	251	30~1000MHz	271.63	-45.3	-13	PASS
GPRS850	251	30~1000MHz	247.09	-45.39	-13	PASS
GSM850	251	1000~10000MHz	1697.5	-32.61	-13	PASS
GPRS850	251	1000~10000MHz	1697.5	-35.69	-13	PASS
EGPRS850	251	0.009~0.15MHz	0.04	-63.83	-33	PASS
EGPRS850	251	0.15~30MHz	0.19	-53.38	-23	PASS
EGPRS850	251	30~1000MHz	493.27	-45.16	-13	PASS
EGPRS850	251	1000~10000MHz	3173.2	-44.79	-13	PASS

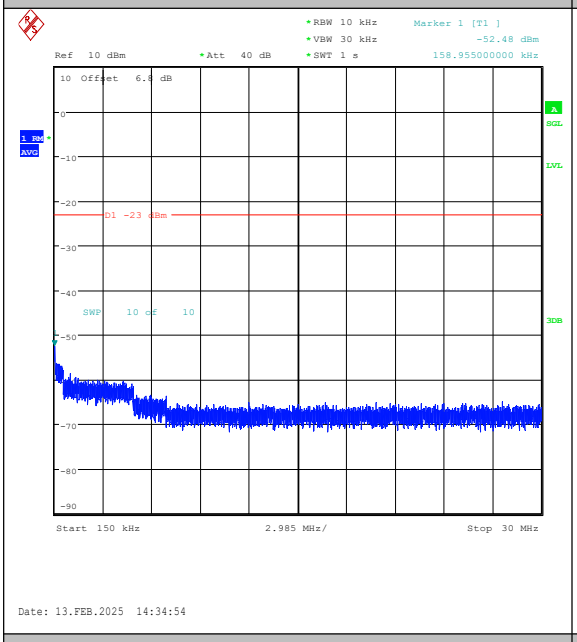
Test Graphs



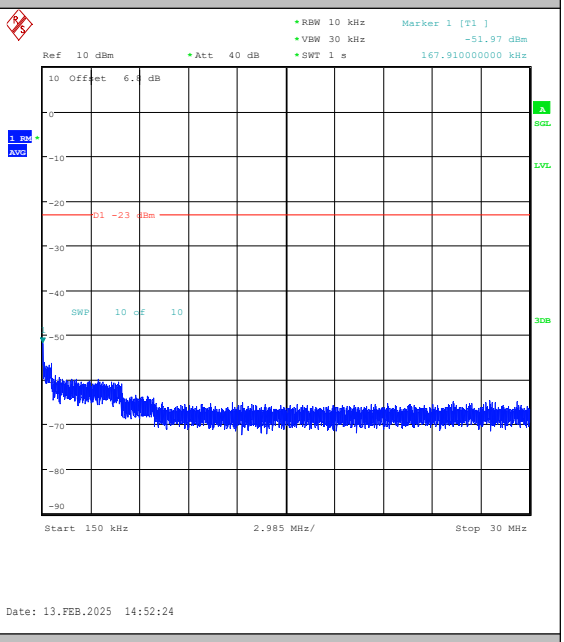
GSM850-128-5-0.009~0.15MHz-PASS



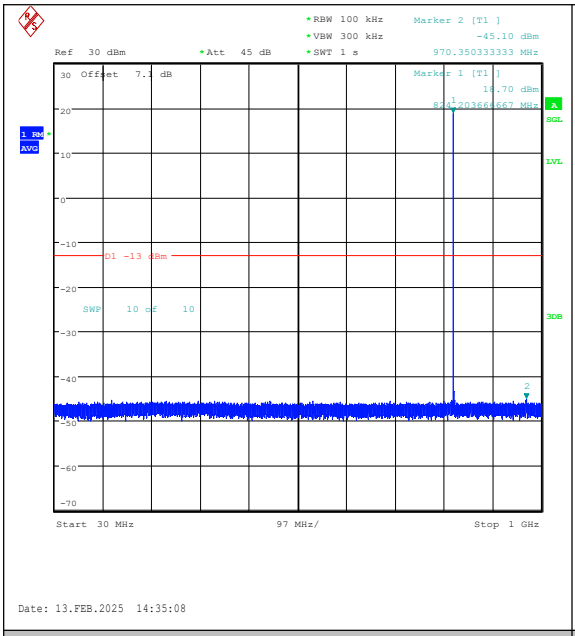
GPRS850-128-5-0.009~0.15MHz-PASS



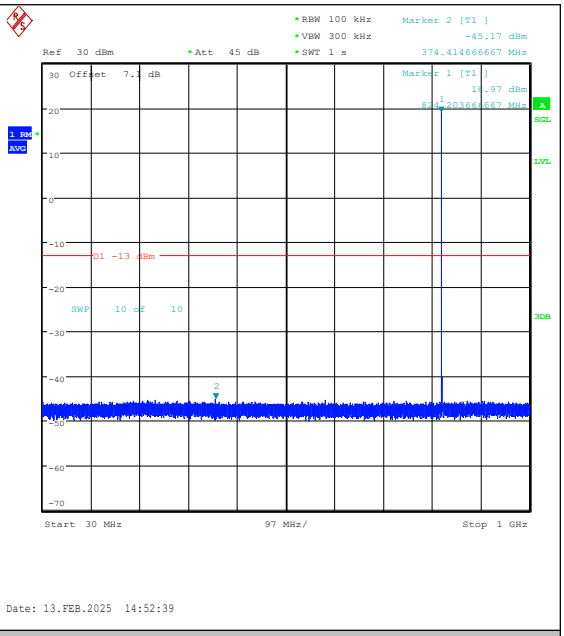
GSM850-128-5-0.15~30MHz-PASS



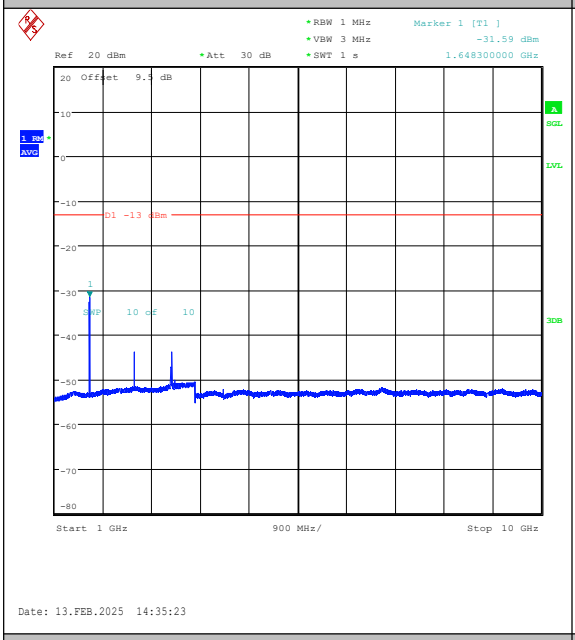
GPRS850-128-5-0.15~30MHz-PASS



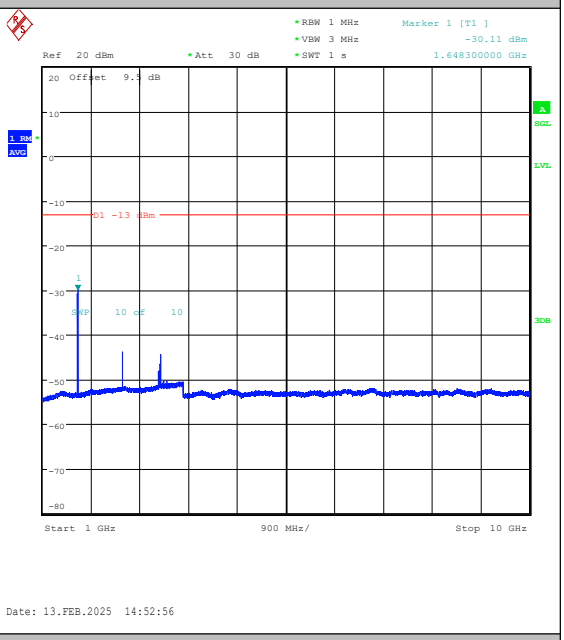
GSM850-128-5-30~1000MHz-PASS



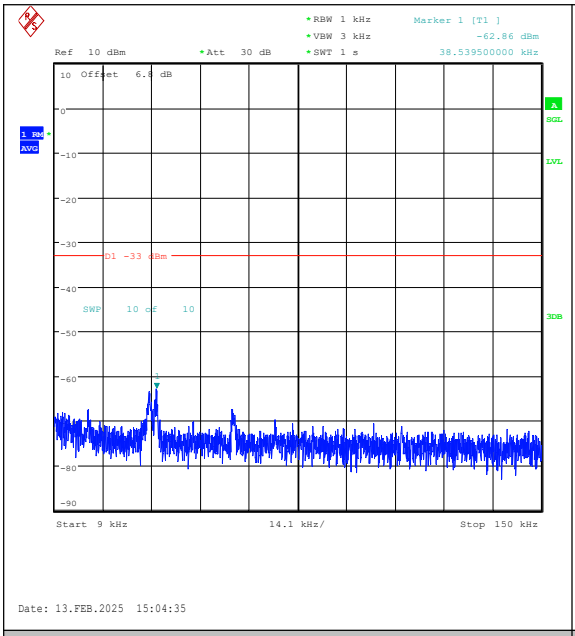
GPRS850-128-5-30~1000MHz-PASS



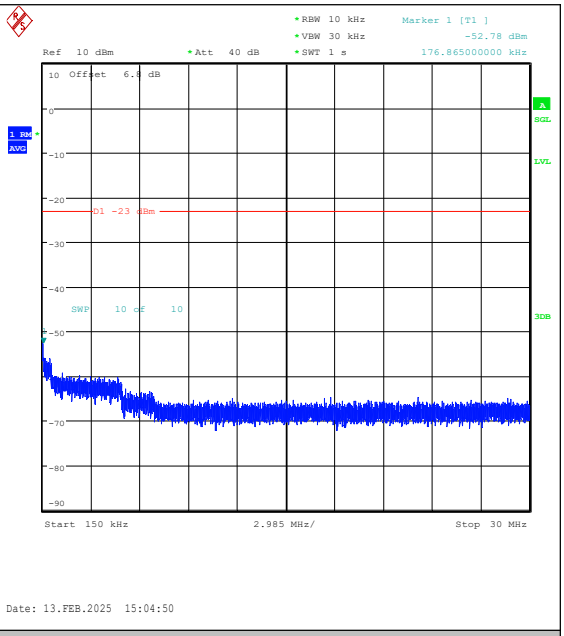
GSM850-128-5-1000~10000MHz-PASS



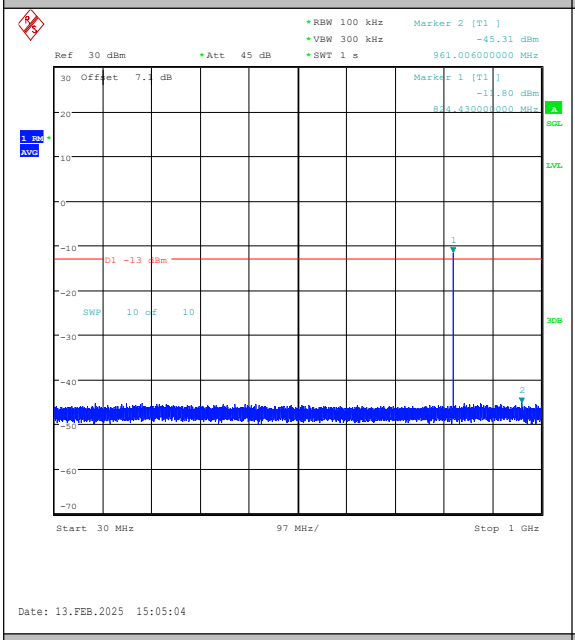
GPRS850-128-5-1000~10000MHz-PASS



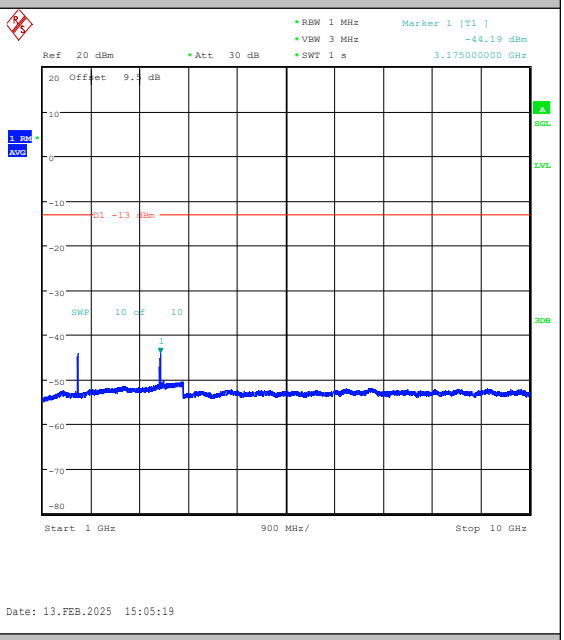
EGPRS850-128-8-0.009~0.15MHz-PASS



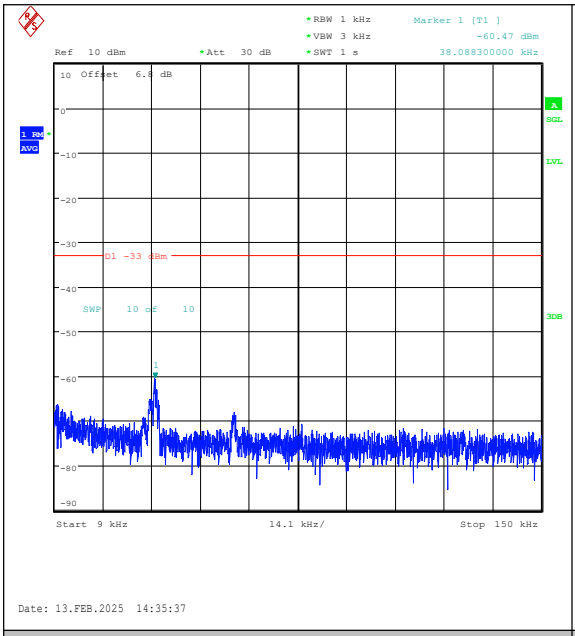
EGPRS850-128-8-0.15~30MHz-PASS



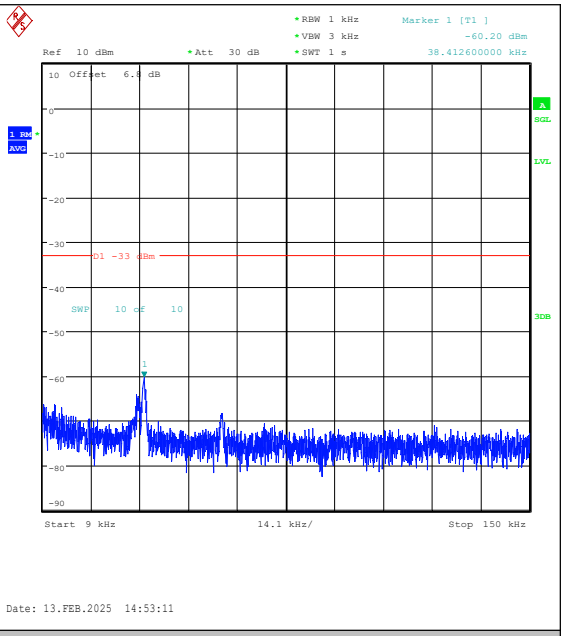
EGPRS850-128-8-30~1000MHz-PASS



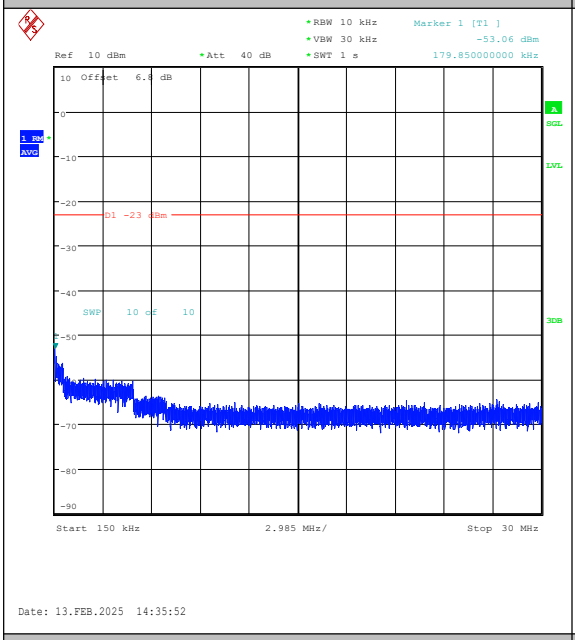
EGPRS850-128-8-1000~10000MHz-PASS



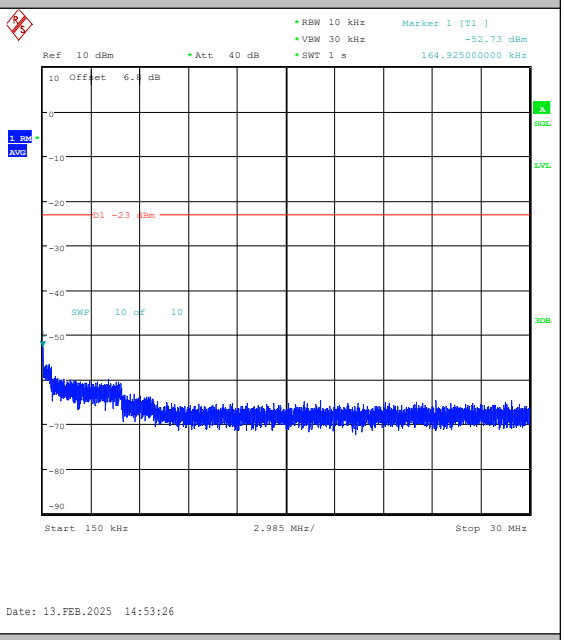
GSM850-190-5-0.009~0.15MHz-PASS



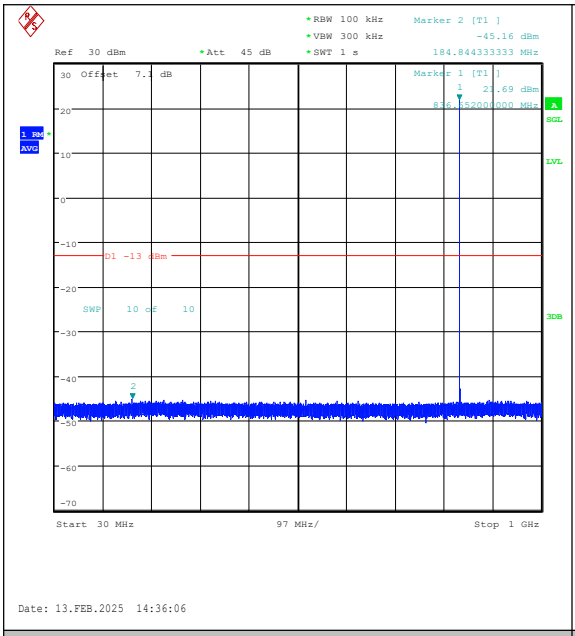
GPRS850-190-5-0.009~0.15MHz-PASS



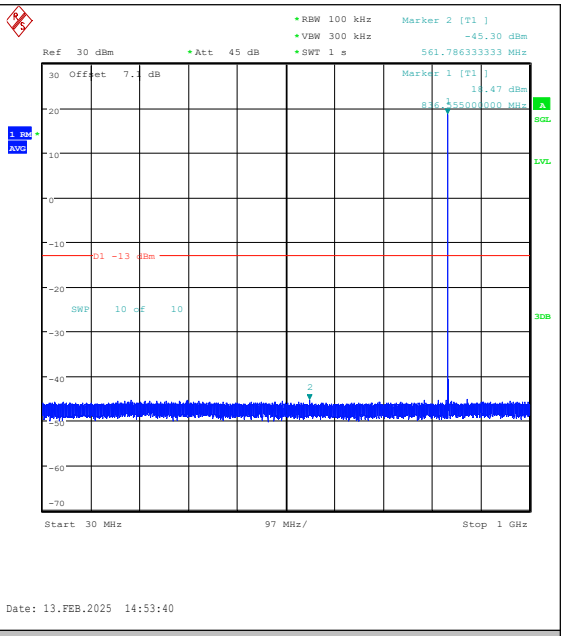
GSM850-190-5-0.15~30MHz-PASS



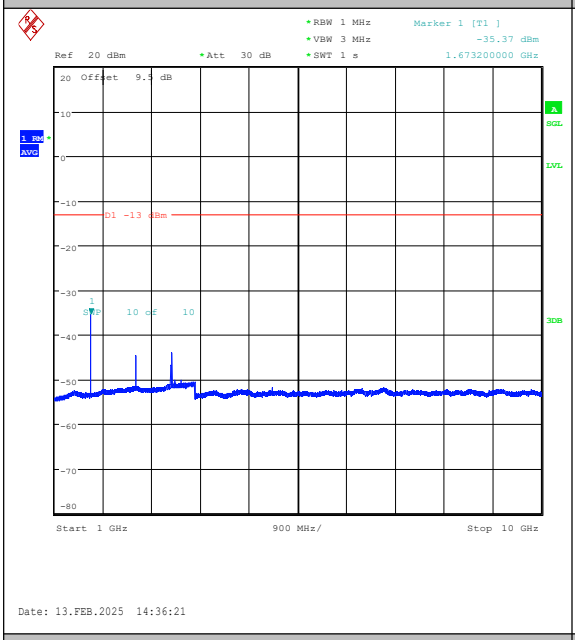
GPRS850-190-5-0.15~30MHz-PASS



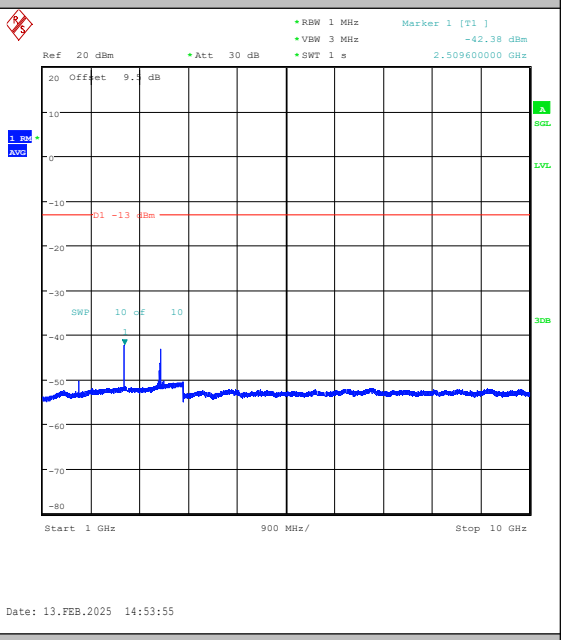
GSM850-190-5-30~1000MHz-PASS



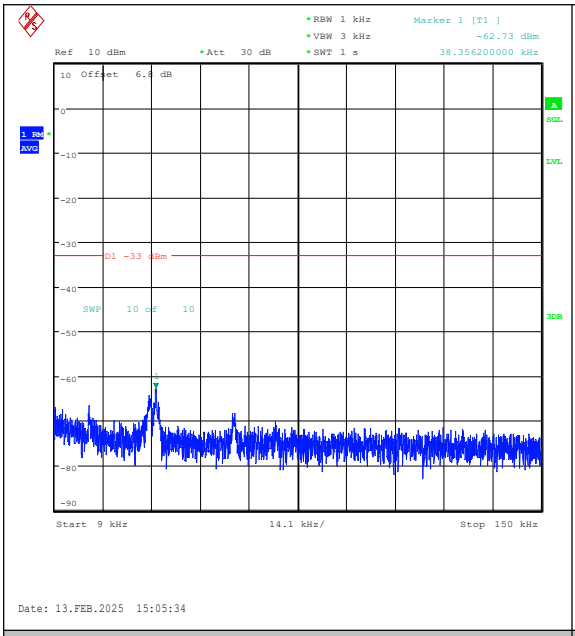
GPRS850-190-5-30~1000MHz-PASS



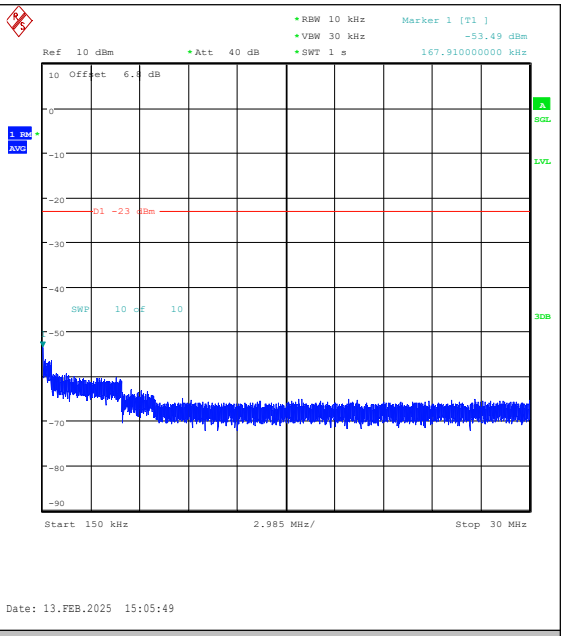
GSM850-190-5-1000~10000MHz-PASS



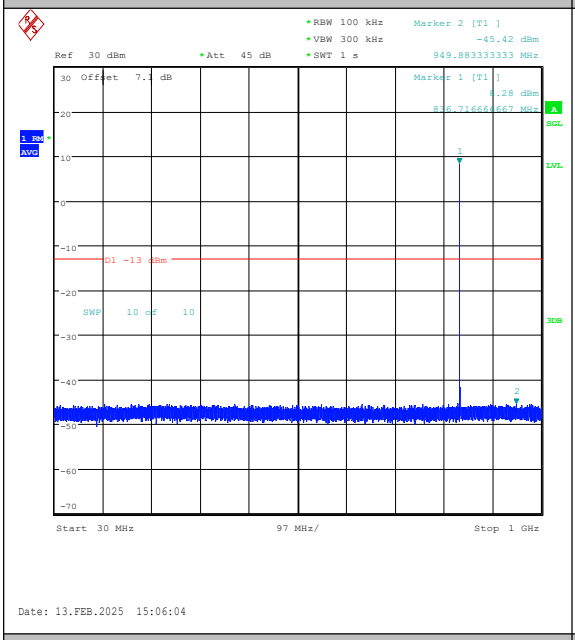
GPRS850-190-5-1000~10000MHz-PASS



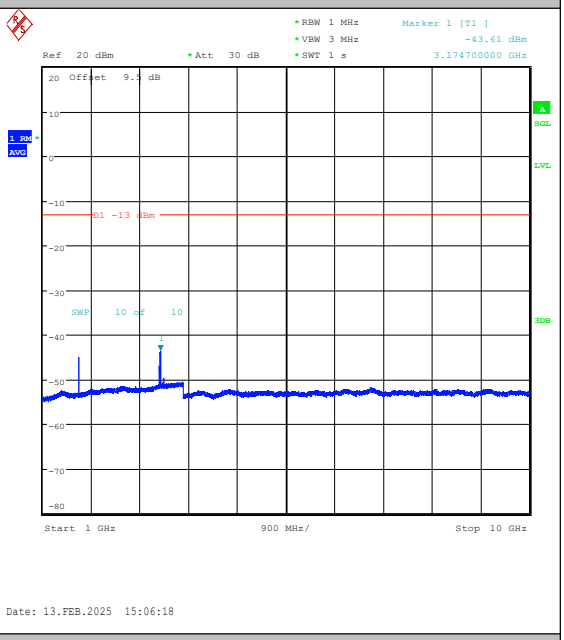
EGPRS850-190-8-0.009~0.15MHz-PASS



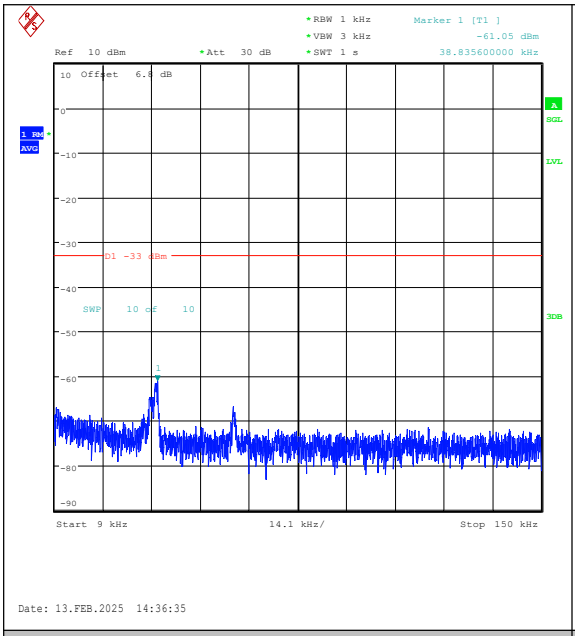
EGPRS850-190-8-0.15~30MHz-PASS



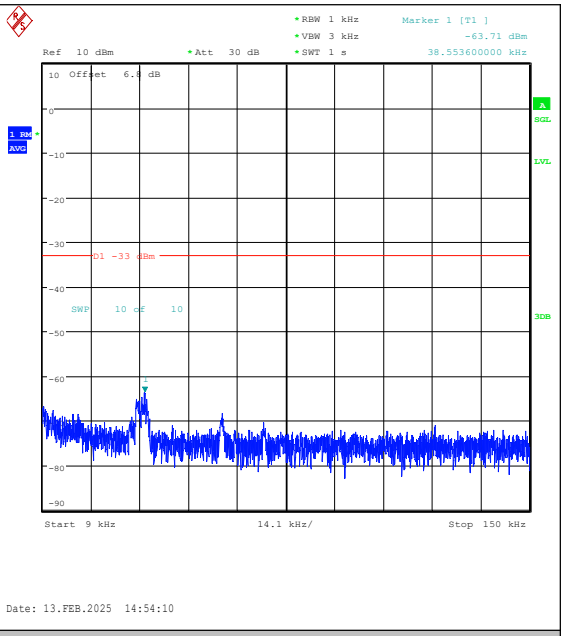
EGPRS850-190-8-30~1000MHz-PASS



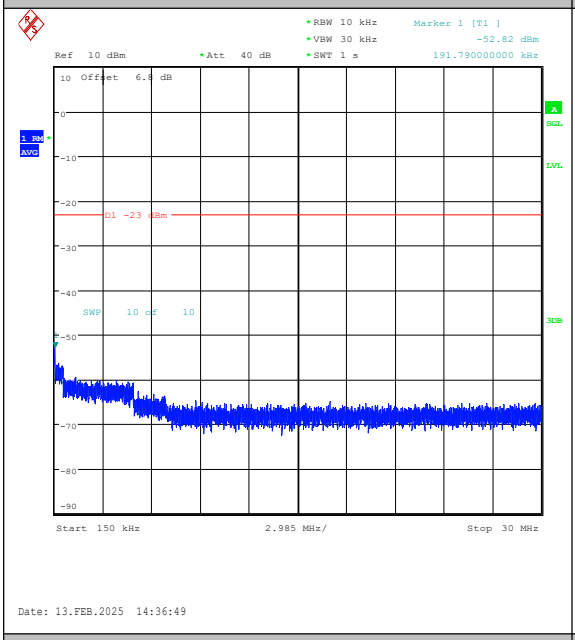
EGPRS850-190-8-1000~10000MHz-PASS



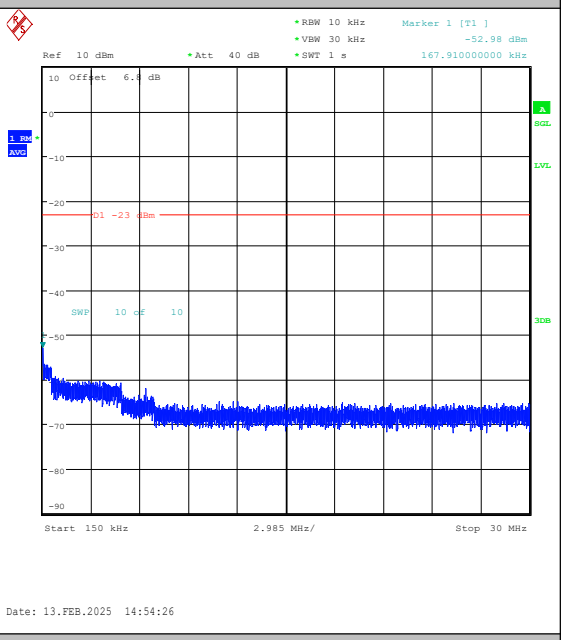
GSM850-251-5-0.009~0.15MHz-PASS



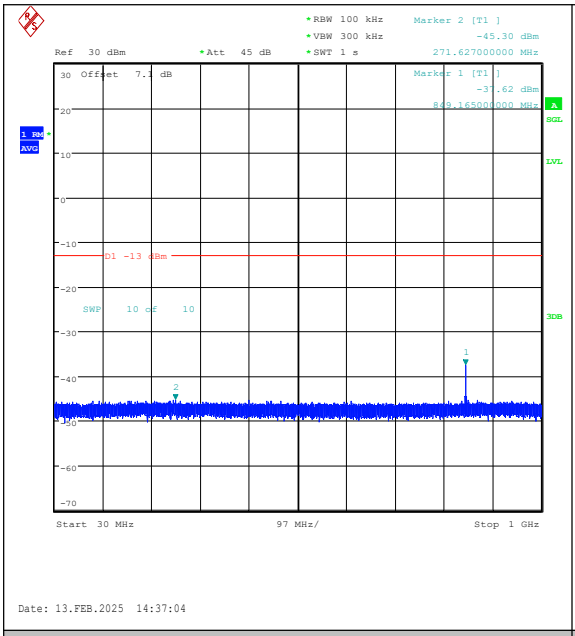
GPRS850-251-5-0.009~0.15MHz-PASS



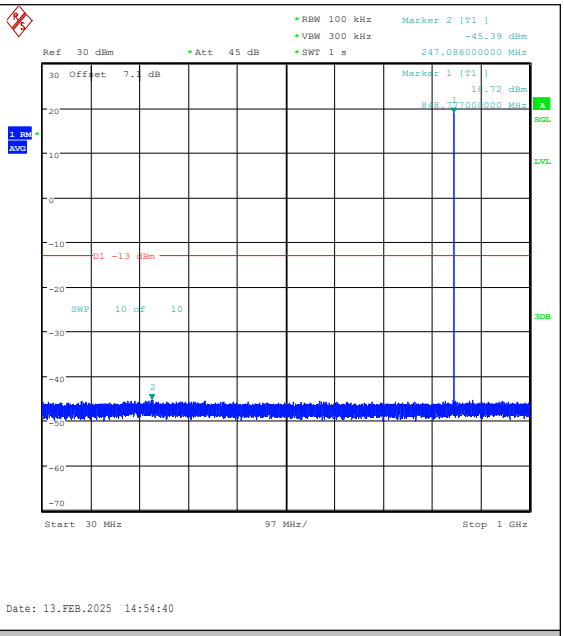
GSM850-251-5-0.15~30MHz-PASS



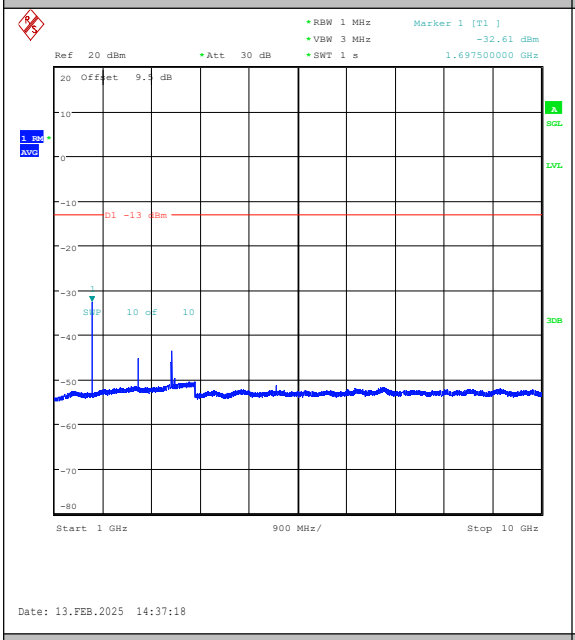
GPRS850-251-5-0.15~30MHz-PASS



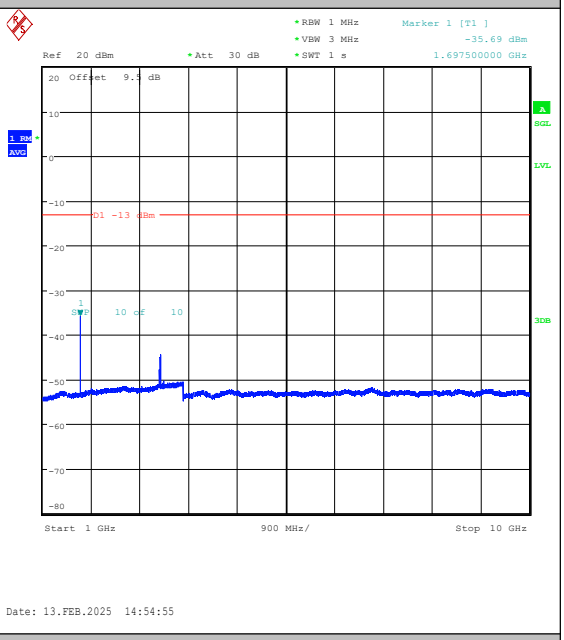
GSM850-251-5-30~1000MHz-PASS



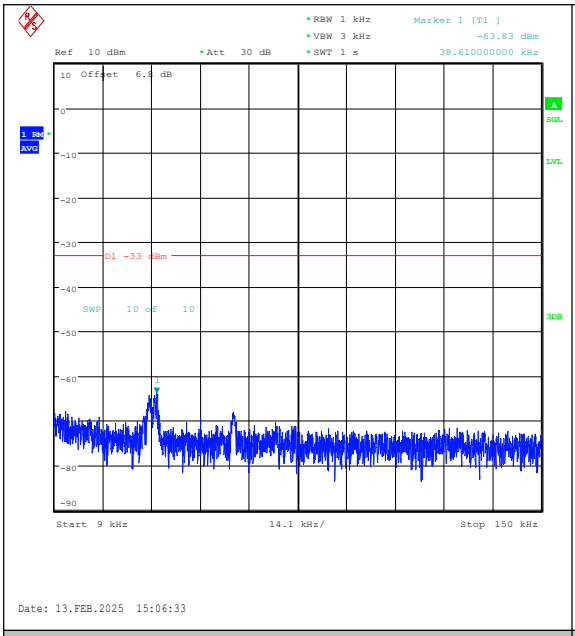
GPRS850-251-5-30~1000MHz-PASS



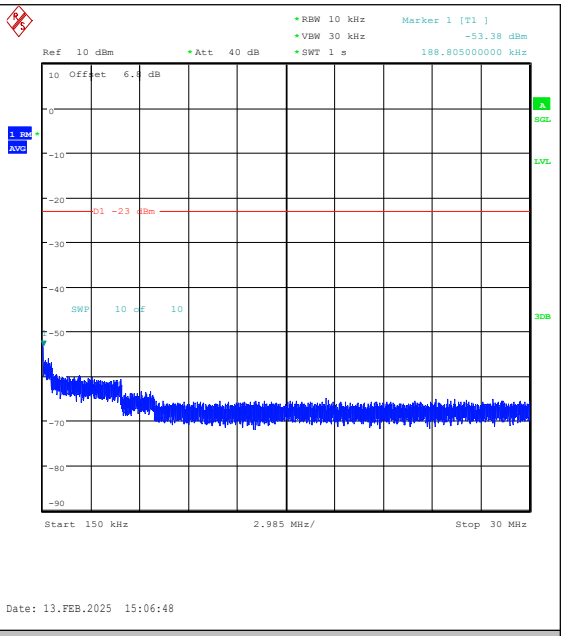
GSM850-251-5-1000~10000MHz-PASS



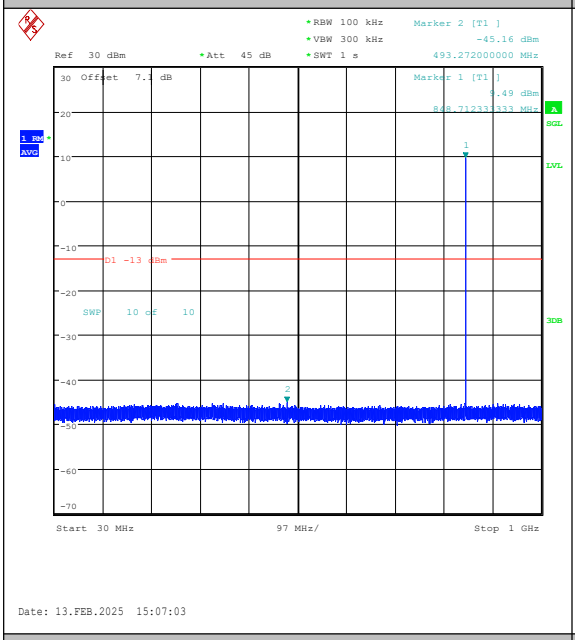
GPRS850-251-5-1000~10000MHz-PASS



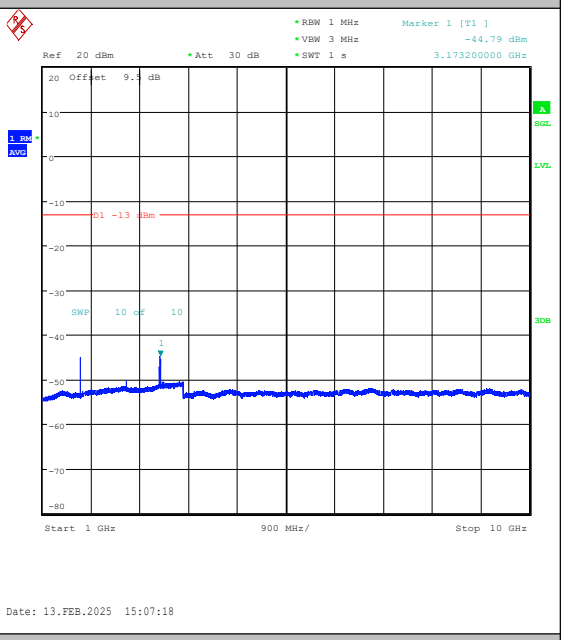
EGPRS850-251-8-0.009~0.15MHz-PASS



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



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



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

Appendix E : Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	VN	NT	-16.24	-0.019704	±2.5	PASS
GSM850	128	VL	NT	-15.11	-0.018333	±2.5	PASS
GSM850	128	VH	NT	-14.82	-0.017981	±2.5	PASS
GPRS850	128	VN	NT	-15.11	-0.018333	±2.5	PASS
GPRS850	128	VL	NT	-18.69	-0.022677	±2.5	PASS
GPRS850	128	VH	NT	-18.05	-0.021900	±2.5	PASS
EGPRS850	128	VN	NT	-11.27	-0.013674	±2.5	PASS
EGPRS850	128	VL	NT	-6.81	-0.008263	±2.5	PASS
EGPRS850	128	VH	NT	-8.04	-0.009755	±2.5	PASS
GSM850	190	VN	NT	-20.66	-0.024695	±2.5	PASS
GSM850	190	VL	NT	-14.95	-0.017870	±2.5	PASS
GSM850	190	VH	NT	-13.69	-0.016364	±2.5	PASS
GPRS850	190	VN	NT	-14.75	-0.017631	±2.5	PASS
GPRS850	190	VL	NT	-16.82	-0.020105	±2.5	PASS
GPRS850	190	VH	NT	-15.27	-0.018252	±2.5	PASS
EGPRS850	190	VN	NT	-8.59	-0.010268	±2.5	PASS
EGPRS850	190	VL	NT	-7.20	-0.008606	±2.5	PASS
EGPRS850	190	VH	NT	-6.39	-0.007638	±2.5	PASS
GSM850	251	VN	NT	-15.43	-0.018179	±2.5	PASS
GSM850	251	VL	NT	-13.46	-0.015858	±2.5	PASS
GSM850	251	VH	NT	-16.21	-0.019098	±2.5	PASS
GPRS850	251	VN	NT	-16.82	-0.019816	±2.5	PASS
GPRS850	251	VL	NT	-16.30	-0.019204	±2.5	PASS
GPRS850	251	VH	NT	-15.40	-0.018143	±2.5	PASS
EGPRS850	251	VN	NT	-13.33	-0.015705	±2.5	PASS
EGPRS850	251	VL	NT	-12.20	-0.014373	±2.5	PASS
EGPRS850	251	VH	NT	-7.68	-0.009048	±2.5	PASS

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	NV	-30	-13.59	-0.016489	±2.5	PASS
GSM850	128	NV	-20	-14.98	-0.018175	±2.5	PASS
GSM850	128	NV	-10	-13.24	-0.016064	±2.5	PASS

GSM850	128	NV	0	-13.24	-0.016064	±2.5	PASS
GSM850	128	NV	10	-13.82	-0.016768	±2.5	PASS
GSM850	128	NV	20	-15.27	-0.018527	±2.5	PASS
GSM850	128	NV	30	-13.98	-0.016962	±2.5	PASS
GSM850	128	NV	40	-13.85	-0.016804	±2.5	PASS
GSM850	128	NV	50	-14.37	-0.017435	±2.5	PASS
GPRS850	128	NV	-30	-15.82	-0.019194	±2.5	PASS
GPRS850	128	NV	-20	-14.79	-0.017945	±2.5	PASS
GPRS850	128	NV	-10	-14.40	-0.017471	±2.5	PASS
GPRS850	128	NV	0	-12.24	-0.014851	±2.5	PASS
GPRS850	128	NV	10	-16.01	-0.019425	±2.5	PASS
GPRS850	128	NV	20	-12.72	-0.015433	±2.5	PASS
GPRS850	128	NV	30	-13.46	-0.016331	±2.5	PASS
GPRS850	128	NV	40	-14.95	-0.018139	±2.5	PASS
GPRS850	128	NV	50	-17.95	-0.021779	±2.5	PASS
EGPRS850	128	NV	-30	-9.40	-0.011405	±2.5	PASS
EGPRS850	128	NV	-20	-8.75	-0.010616	±2.5	PASS
EGPRS850	128	NV	-10	-12.40	-0.015045	±2.5	PASS
EGPRS850	128	NV	0	-8.88	-0.010774	±2.5	PASS
EGPRS850	128	NV	10	-11.69	-0.014183	±2.5	PASS
EGPRS850	128	NV	20	-9.52	-0.011551	±2.5	PASS
EGPRS850	128	NV	30	-7.85	-0.009524	±2.5	PASS
EGPRS850	128	NV	40	-5.84	-0.007086	±2.5	PASS
EGPRS850	128	NV	50	-9.04	-0.010968	±2.5	PASS
GSM850	190	NV	-30	-12.62	-0.015085	±2.5	PASS
GSM850	190	NV	-20	-13.82	-0.016519	±2.5	PASS
GSM850	190	NV	-10	-14.30	-0.017093	±2.5	PASS
GSM850	190	NV	0	-13.01	-0.015551	±2.5	PASS
GSM850	190	NV	10	-12.62	-0.015085	±2.5	PASS
GSM850	190	NV	20	-13.08	-0.015635	±2.5	PASS
GSM850	190	NV	30	-13.56	-0.016208	±2.5	PASS
GSM850	190	NV	40	-16.21	-0.019376	±2.5	PASS
GSM850	190	NV	50	-15.92	-0.019029	±2.5	PASS
GPRS850	190	NV	-30	-15.34	-0.018336	±2.5	PASS
GPRS850	190	NV	-20	-11.20	-0.013388	±2.5	PASS
GPRS850	190	NV	-10	-14.72	-0.017595	±2.5	PASS
GPRS850	190	NV	0	-14.17	-0.016938	±2.5	PASS
GPRS850	190	NV	10	-12.88	-0.015396	±2.5	PASS
GPRS850	190	NV	20	-13.79	-0.016483	±2.5	PASS
GPRS850	190	NV	30	-12.04	-0.014392	±2.5	PASS
GPRS850	190	NV	40	-18.56	-0.022185	±2.5	PASS

GPRS850	190	NV	50	-16.05	-0.019185	±2.5	PASS
EGPRS850	190	NV	-30	-8.75	-0.010459	±2.5	PASS
EGPRS850	190	NV	-20	-7.68	-0.009180	±2.5	PASS
EGPRS850	190	NV	-10	-5.10	-0.006096	±2.5	PASS
EGPRS850	190	NV	0	-5.10	-0.006096	±2.5	PASS
EGPRS850	190	NV	10	-5.49	-0.006562	±2.5	PASS
EGPRS850	190	NV	20	-10.04	-0.012001	±2.5	PASS
EGPRS850	190	NV	30	-9.69	-0.011583	±2.5	PASS
EGPRS850	190	NV	40	-10.88	-0.013005	±2.5	PASS
EGPRS850	190	NV	50	-12.01	-0.014356	±2.5	PASS
GSM850	251	NV	-30	-15.08	-0.017766	±2.5	PASS
GSM850	251	NV	-20	-15.21	-0.017919	±2.5	PASS
GSM850	251	NV	-10	-17.14	-0.020193	±2.5	PASS
GSM850	251	NV	0	-13.95	-0.016435	±2.5	PASS
GSM850	251	NV	10	-14.53	-0.017118	±2.5	PASS
GSM850	251	NV	20	-16.89	-0.019899	±2.5	PASS
GSM850	251	NV	30	-9.72	-0.011451	±2.5	PASS
GSM850	251	NV	40	-13.95	-0.016435	±2.5	PASS
GSM850	251	NV	50	-12.82	-0.015104	±2.5	PASS
GPRS850	251	NV	-30	-18.56	-0.021866	±2.5	PASS
GPRS850	251	NV	-20	-14.43	-0.017000	±2.5	PASS
GPRS850	251	NV	-10	-18.85	-0.022208	±2.5	PASS
GPRS850	251	NV	0	-13.59	-0.016011	±2.5	PASS
GPRS850	251	NV	10	-16.34	-0.019251	±2.5	PASS
GPRS850	251	NV	20	-16.34	-0.019251	±2.5	PASS
GPRS850	251	NV	30	-16.30	-0.019204	±2.5	PASS
GPRS850	251	NV	40	-19.27	-0.022703	±2.5	PASS
GPRS850	251	NV	50	-18.76	-0.022102	±2.5	PASS
EGPRS850	251	NV	-30	-13.85	-0.016317	±2.5	PASS
EGPRS850	251	NV	-20	-9.01	-0.010615	±2.5	PASS
EGPRS850	251	NV	-10	-10.53	-0.012406	±2.5	PASS
EGPRS850	251	NV	0	-9.81	-0.011557	±2.5	PASS
EGPRS850	251	NV	10	-9.62	-0.011334	±2.5	PASS
EGPRS850	251	NV	20	-7.65	-0.009013	±2.5	PASS
EGPRS850	251	NV	30	-7.39	-0.008706	±2.5	PASS
EGPRS850	251	NV	40	-10.17	-0.011982	±2.5	PASS
EGPRS850	251	NV	50	-11.56	-0.013619	±2.5	PASS