

Report No.: SEWM2212000310RG01

Rev.: 02

Page: 1 of 66

Appendix B.1

GSM 850 & 1900



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Report No.: SEWM2212000310RG01

Rev.: 02

Page: 2 of 66

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Channel	POWER(dBm)	ERP(dBm)	Limit(dBm)	Verdict
GSM850	128	31.68	28.23	38.45	PASS
GSM850	190	32.01	28.56	38.45	PASS
GSM850	251	31.83	28.38	38.45	PASS
Band	Channel	POWER(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
GSM1900	512	26.42	28.22	33.00	PASS
GSM1900	661	26.57	28.37	33.00	PASS
GSM1900	810	26.58	28.38	33.00	PASS



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Report No.: SEWM2212000310RG01

Rev.: 02

Page: 3 of 66

Band	Channel	Slot	Power(dBm)	ERP(dBm)	Limit(dBm)	Verdict
EGPRS850	128	1	25.44	21.99	38.45	PASS
EGPRS850	128	2	23.86	20.41	38.45	PASS
EGPRS850	128	3	22.93	19.48	38.45	PASS
EGPRS850	128	4	21.96	18.51	38.45	PASS
EGPRS850	190	1	25.42	21.97	38.45	PASS
EGPRS850	190	2	23.89	20.44	38.45	PASS
EGPRS850	190	3	23.08	19.63	38.45	PASS
EGPRS850	190	4	22.03	18.58	38.45	PASS
EGPRS850	251	1	25.40	21.95	38.45	PASS
EGPRS850	251	2	23.88	20.43	38.45	PASS
EGPRS850	251	3	22.95	19.5	38.45	PASS
EGPRS850	251	4	21.93	18.48	38.45	PASS
Band	Channel	Slot	Power(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
EGPRS1900	512	1	22.04	23.84	33.00	PASS
EGPRS1900	512	2	21.52	23.32	33.00	PASS
EGPRS1900	512	3	20.42	22.22	33.00	PASS
EGPRS1900	512	4	19.87	21.67	33.00	PASS
EGPRS1900	661	1	22.88	24.68	33.00	PASS
EGPRS1900	661	2	21.42	23.22	33.00	PASS
EGPRS1900	661	3	20.44	22.24	33.00	PASS
EGPRS1900	661	4	19.91	21.71	33.00	PASS
EGPRS1900	810	1	22.92	24.72	33.00	PASS
EGPRS1900	810	2	21.42	23.22	33.00	PASS
EGPRS1900	810	3	20.44	22.24	33.00	PASS
EGPRS1900	810	4	19.88	21.68	33.00	PASS



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Report No.: SEWM2212000310RG01

Rev.: 02

Page: 4 of 66

Peak-to-Average Ratio(CCDF)**Test Result**

Band	Channel	Result(dB)	Limit(dB)	Verdict
GSM850	128	8.2	13	PASS
GSM850	190	6.78	13	PASS
GSM850	251	8.02	13	PASS
EGPRS850	128	12.78	13	PASS
EGPRS850	190	12.6	13	PASS
EGPRS850	251	12.58	13	PASS
GSM1900	512	9.58	13	PASS
GSM1900	661	9.52	13	PASS
GSM1900	810	9.5	13	PASS
EGPRS1900	512	12.68	13	PASS
EGPRS1900	661	12.56	13	PASS
EGPRS1900	810	12.64	13	PASS



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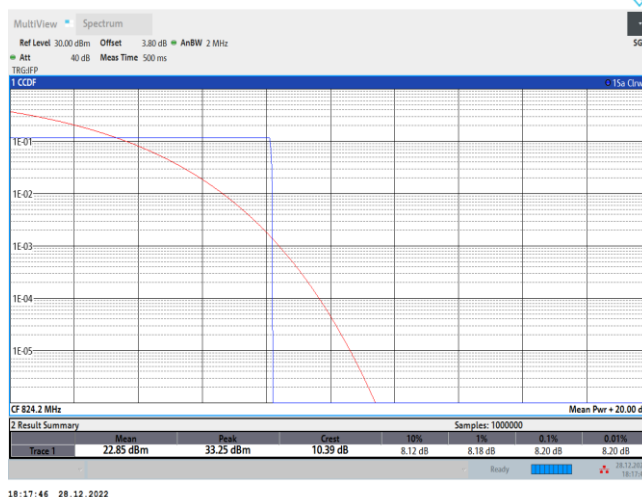
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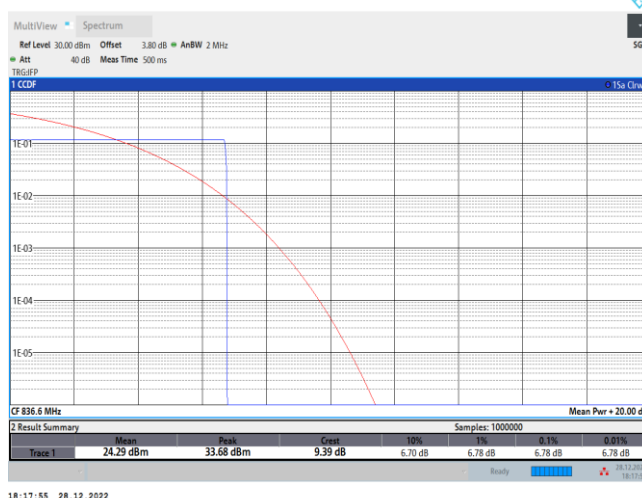
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Test Graphs

GSM850-128



GSM850-190



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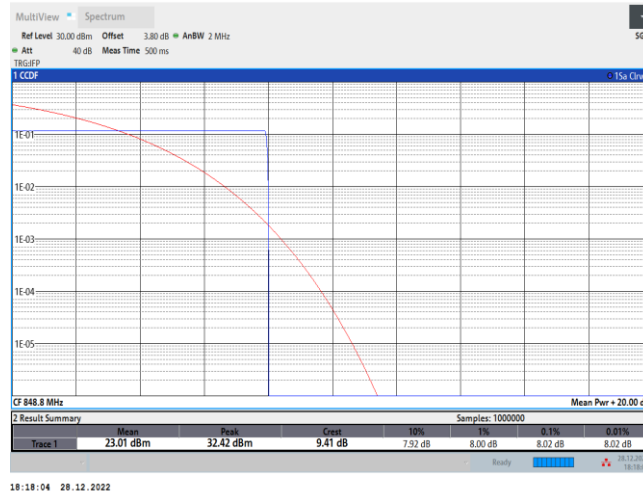
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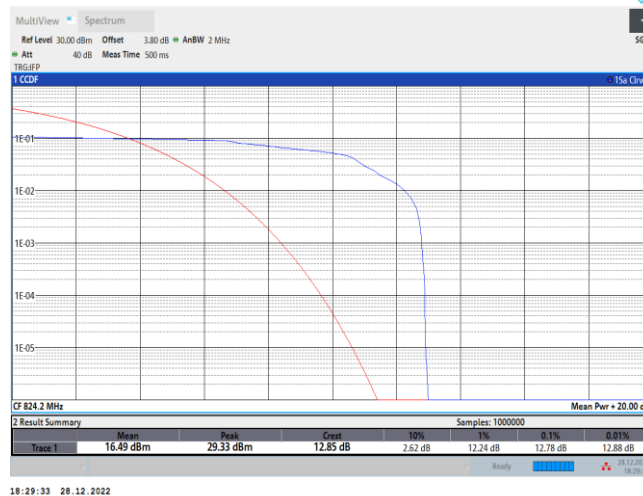
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GSM850-251



EGPRS850-128



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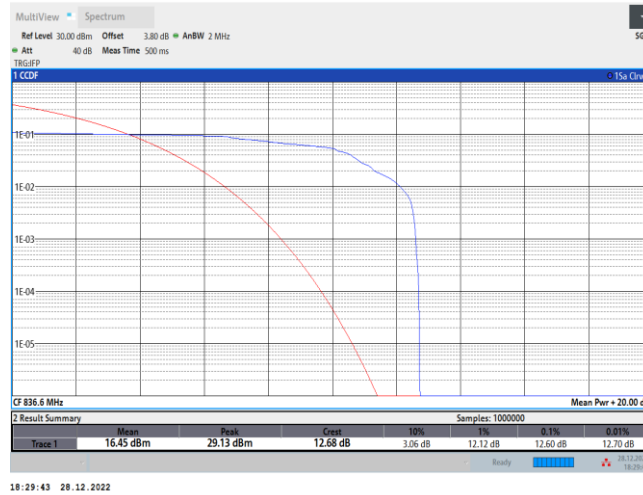
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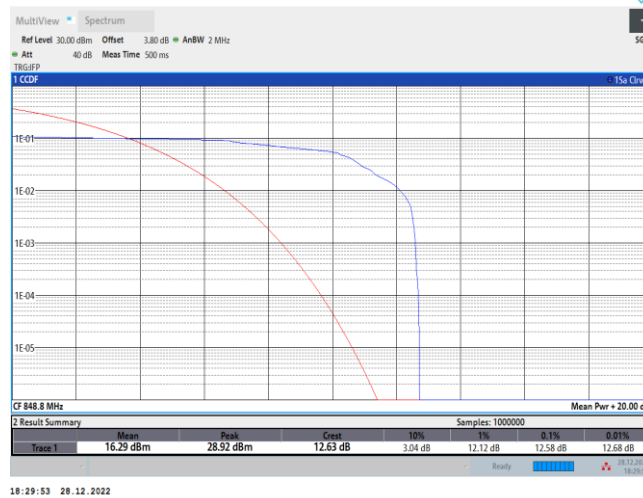
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EGPRS850-190



EGPRS850-251



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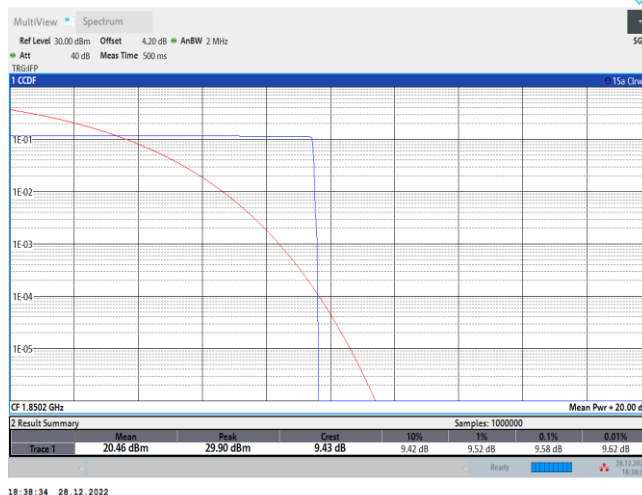
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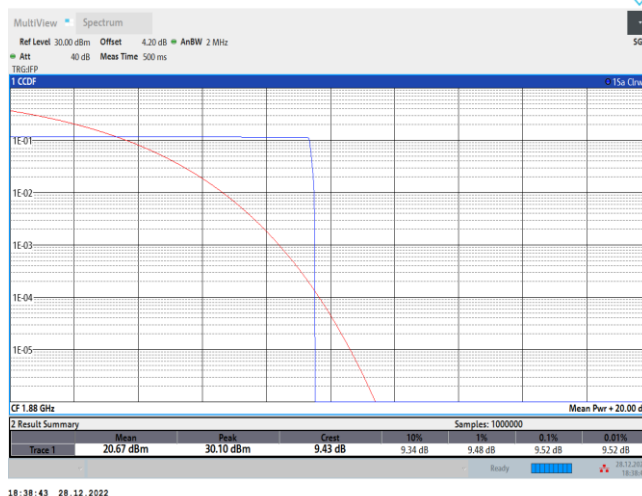
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GSM1900-512



GSM1900-661



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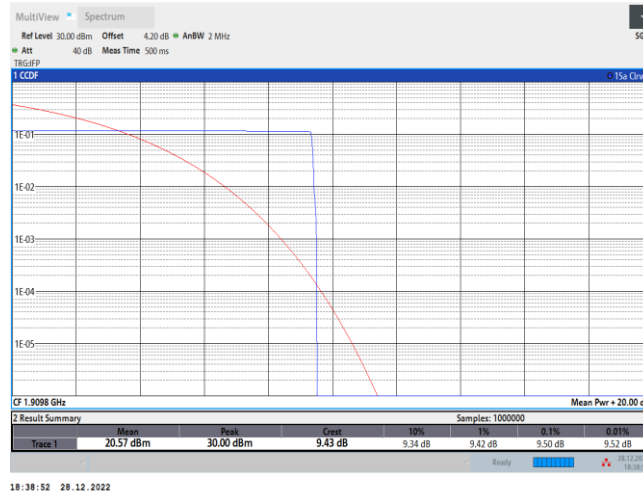
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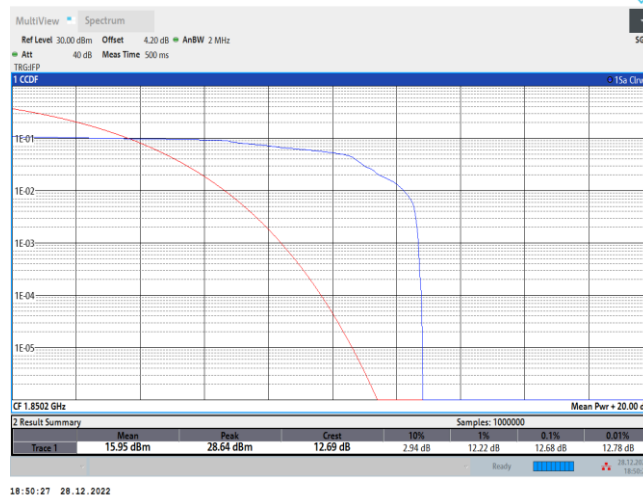
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GSM1900-810



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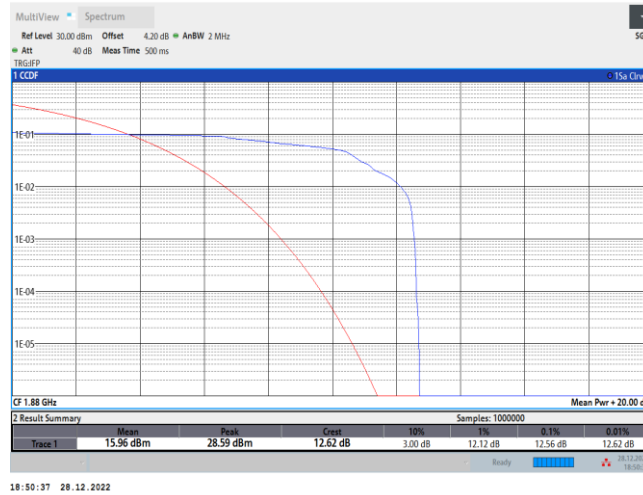
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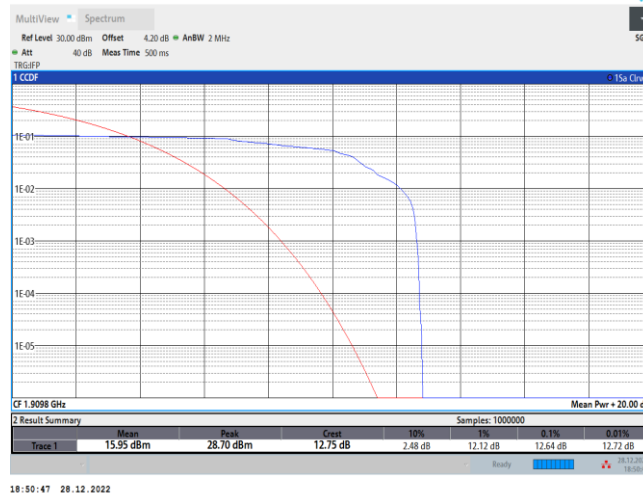
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EGPRS1900-661



EGPRS1900-810



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Report No.: SEWM2212000310RG01

Rev.: 02

Page: 11 of 66

Modulation Characteristics

Test Result

Band	Channel	Result	Verdict
GSM850	190	PASS	PASS
EGPRS850	190	PASS	PASS
GSM1900	661	PASS	PASS
EGPRS1900	661	PASS	PASS



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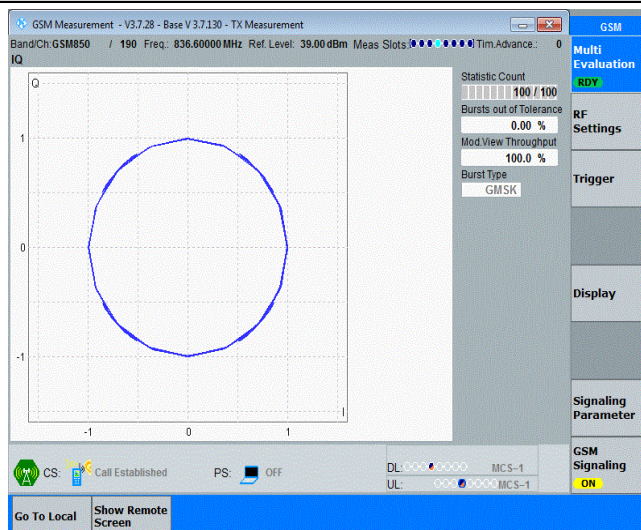
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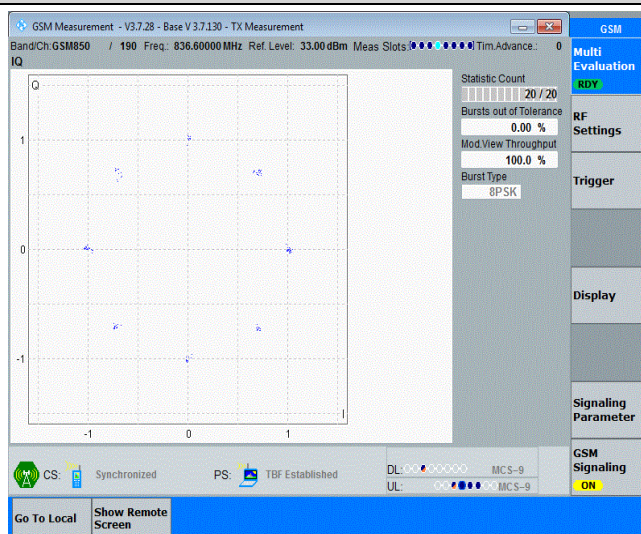
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Test Graphs

GSM850-190



EGPRS850-190



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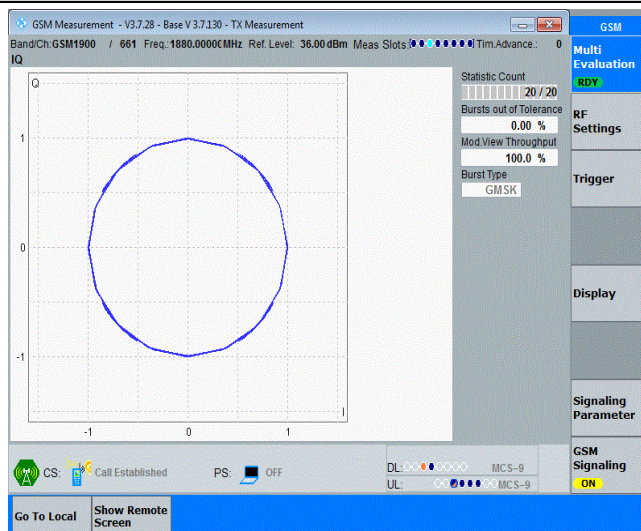
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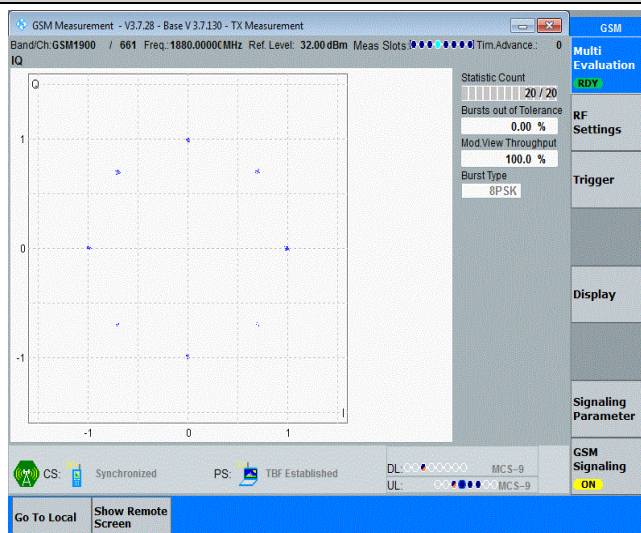
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Page: 13 of 66

GSM1900-661



EGPRS1900-661



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Rev.: 02

Page: 14 of 66

26dB Bandwidth and Occupied Bandwidth

Test Result

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



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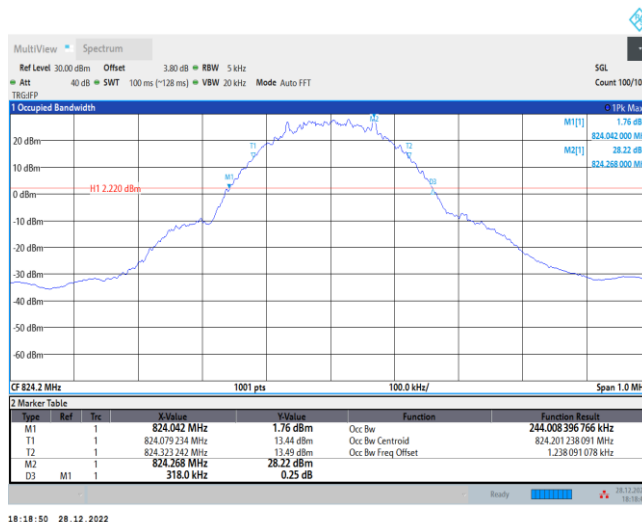
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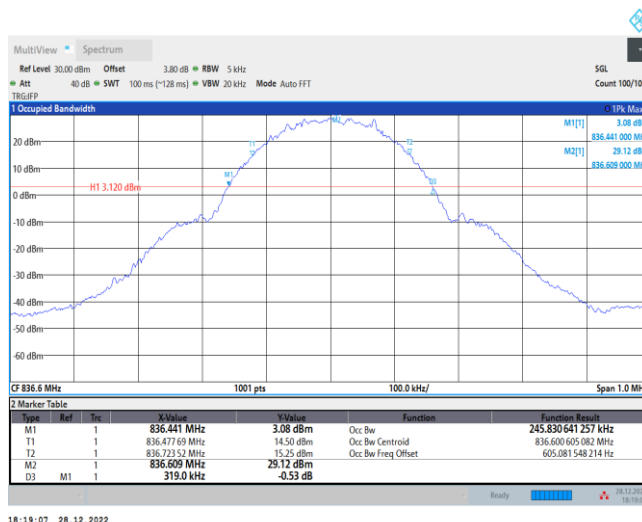
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Test Graphs

GSM850-128



GSM850-190



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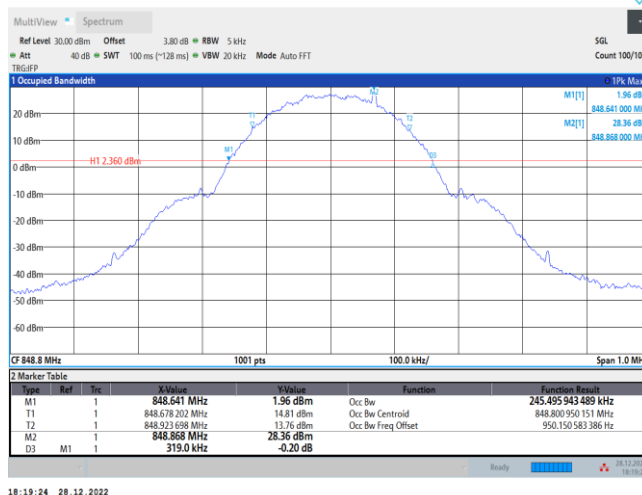
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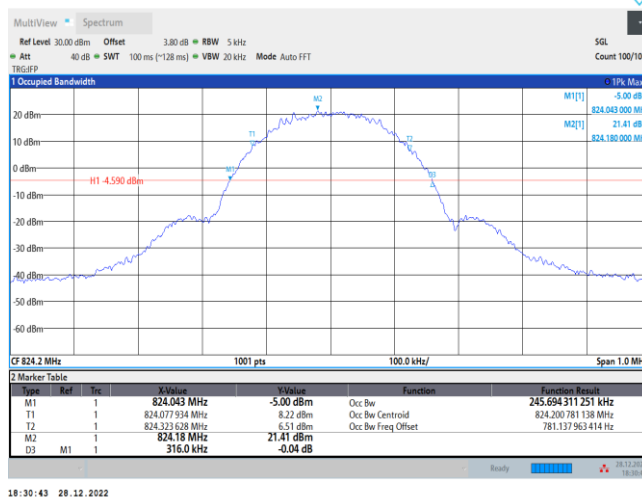
Rev.: 02

Page: 16 of 66

GSM850-251



EGPRS850-128

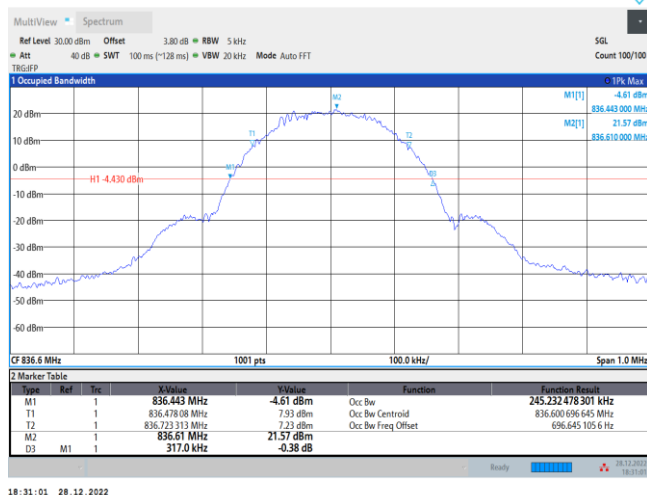


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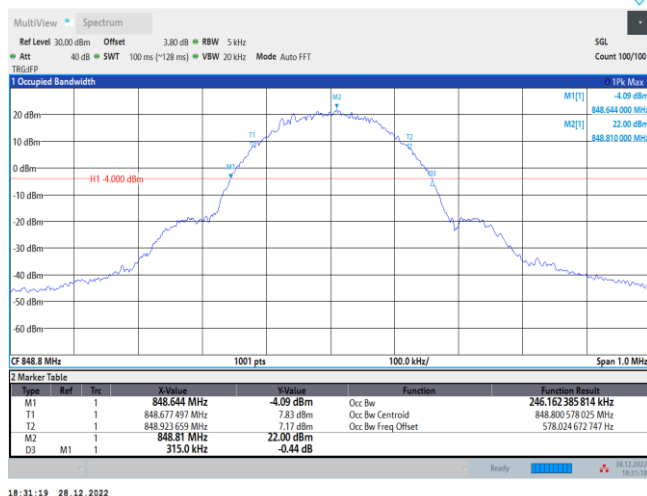
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Page: 17 of 66

EGPRS850-190



EGPRS850-251

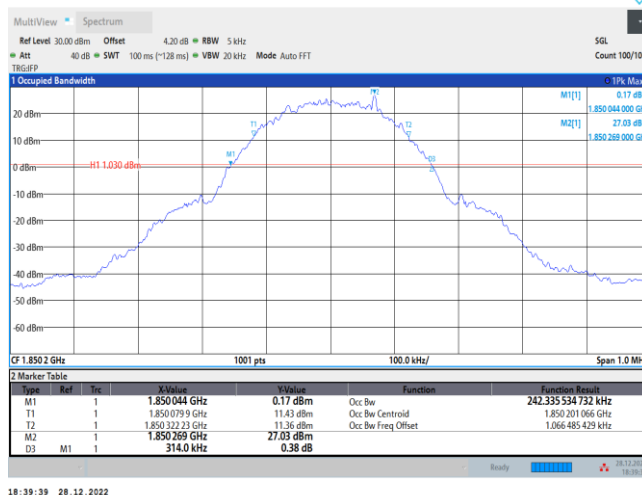


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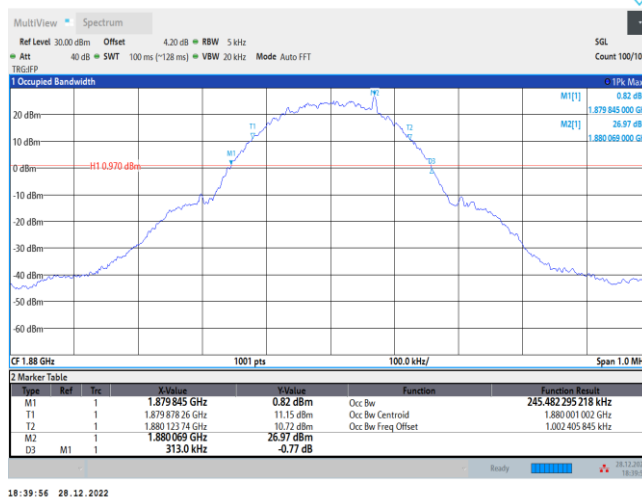
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Page: 18 of 66

GSM1900-512



GSM1900-661

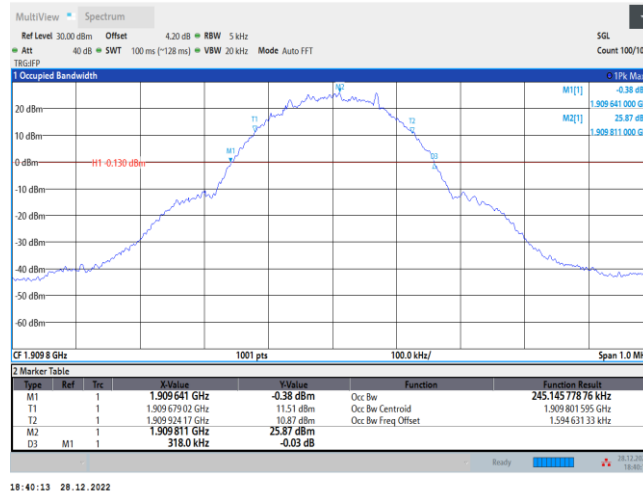


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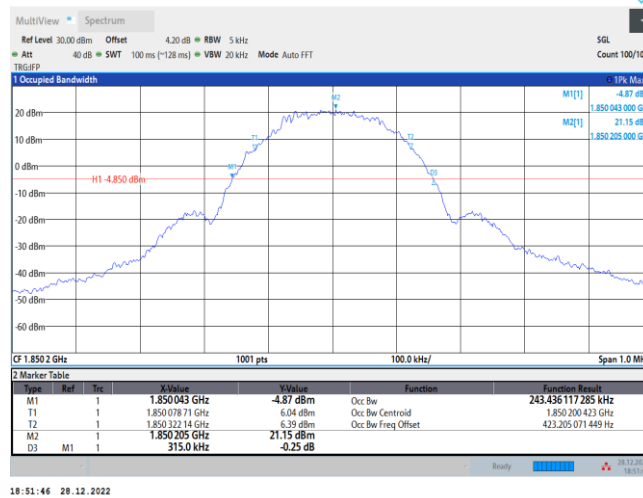
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GSM1900-810



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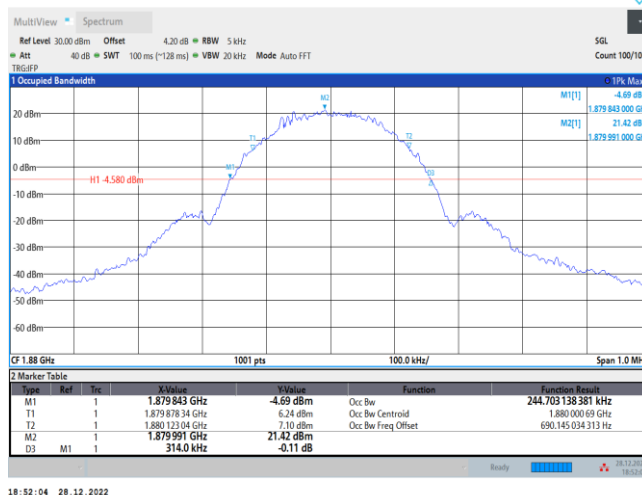
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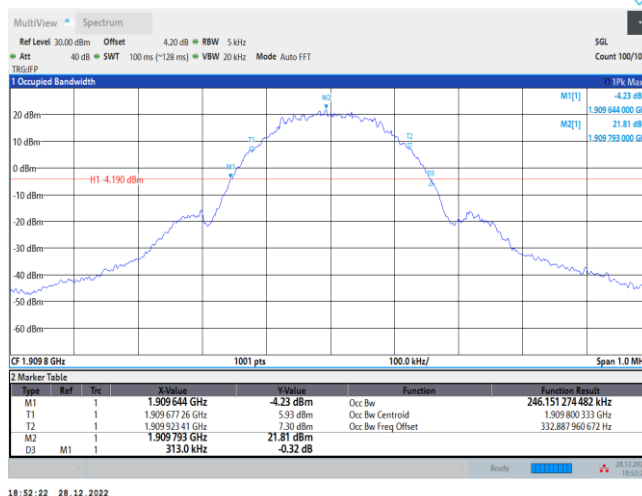
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Page: 20 of 66

EGPRS1900-661



EGPRS1900-810



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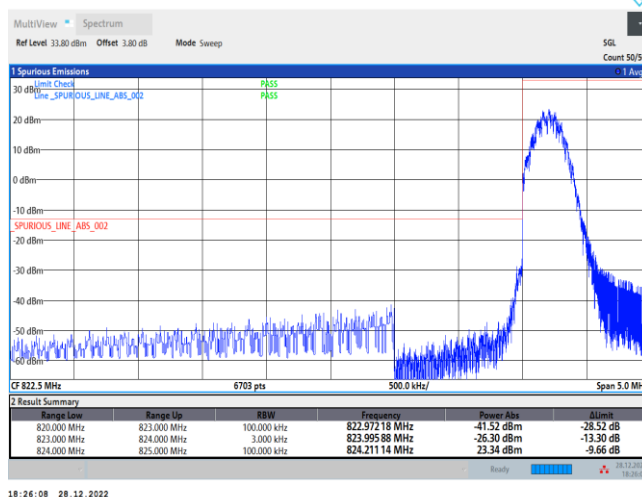
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Page: 21 of 66

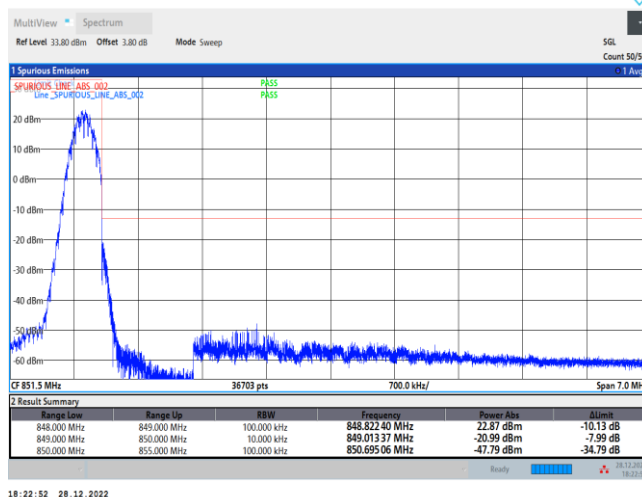
Band Edge

Test Graphs

GSM850-128



GSM850-251



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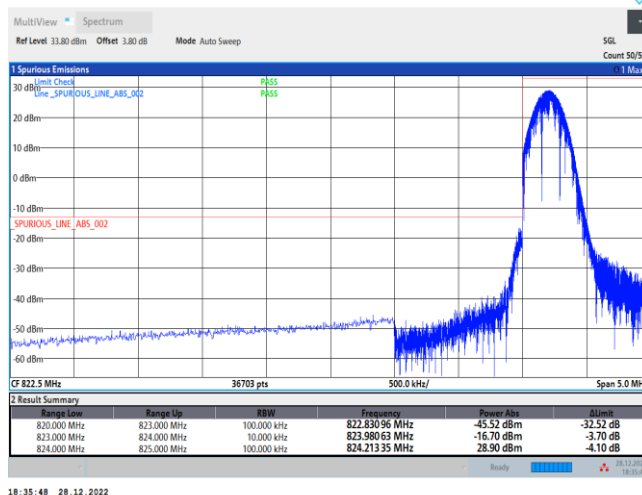
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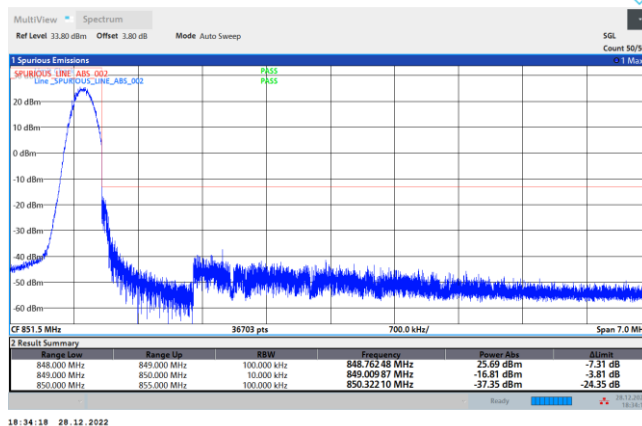
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EGPRS850-128



EGPRS850-251



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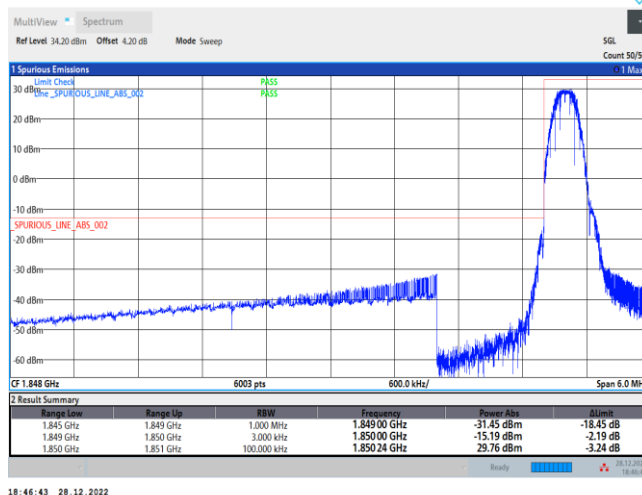
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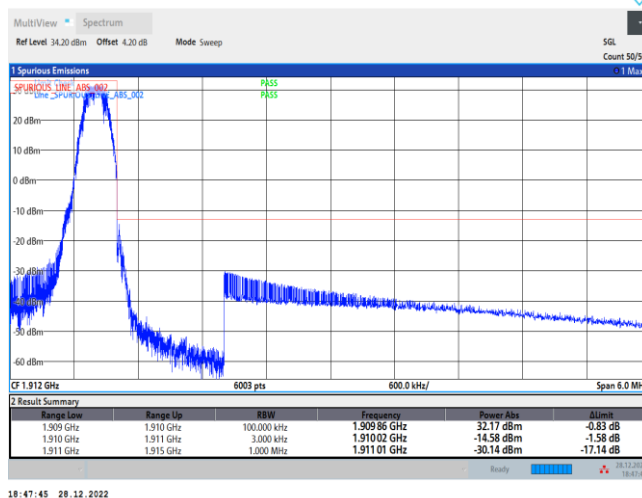
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GSM1900-512



GSM1900-810



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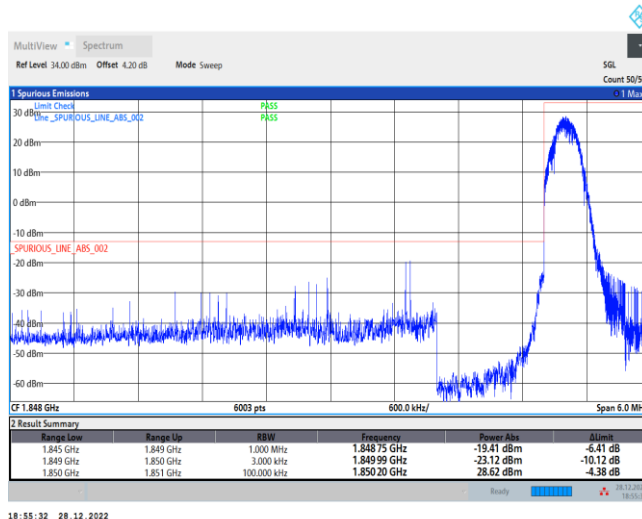
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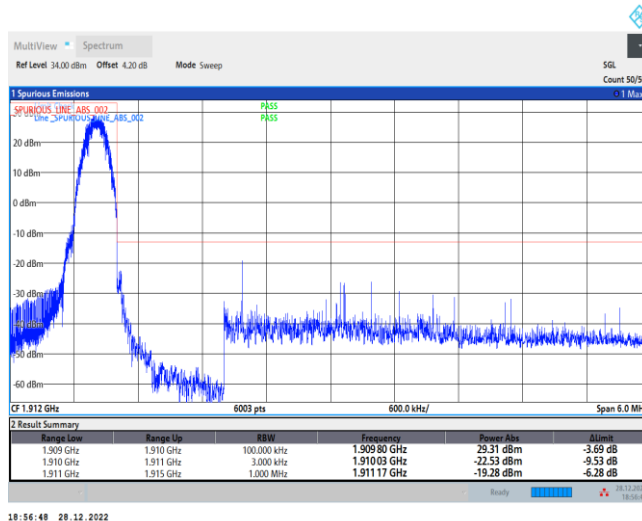
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EGPRS1900-512



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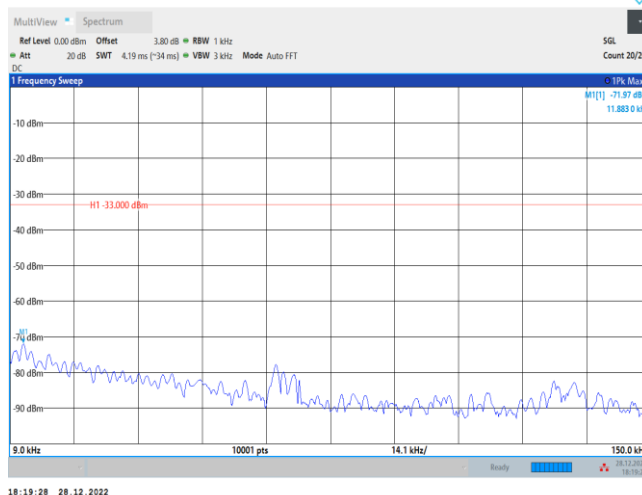
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Page: 25 of 66

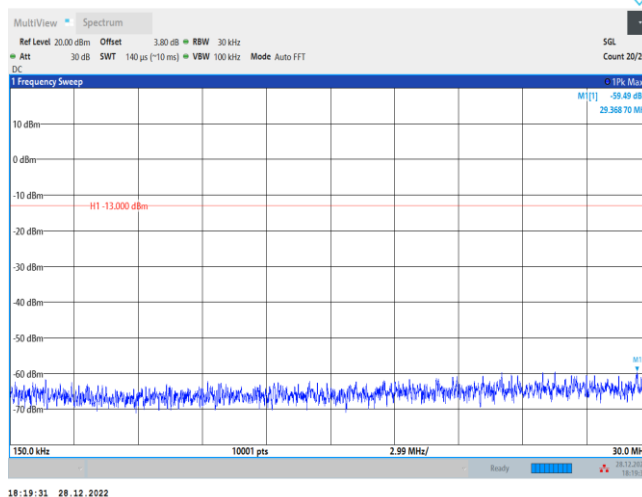
Conducted Spurious Emission

Test Graphs

GSM850-128-0.009~0.15MHz



GSM850-128-0.15~30MHz



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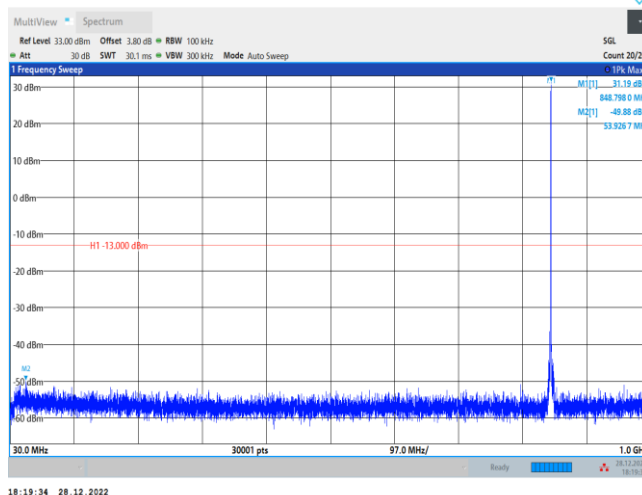
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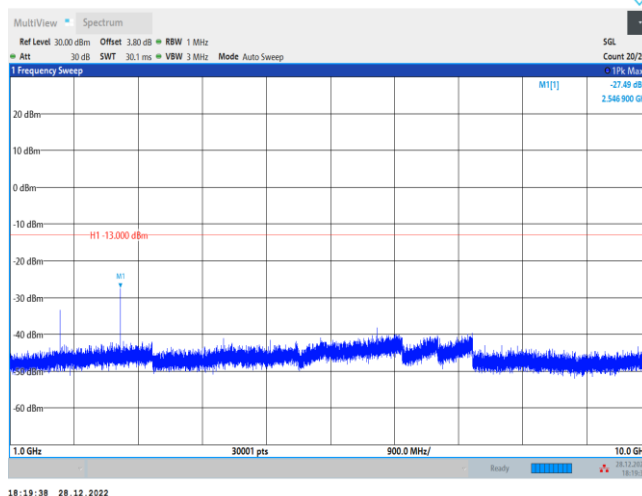
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Page: 26 of 66

GSM850-128-30~1000MHz



GSM850-128-1000~10000MHz



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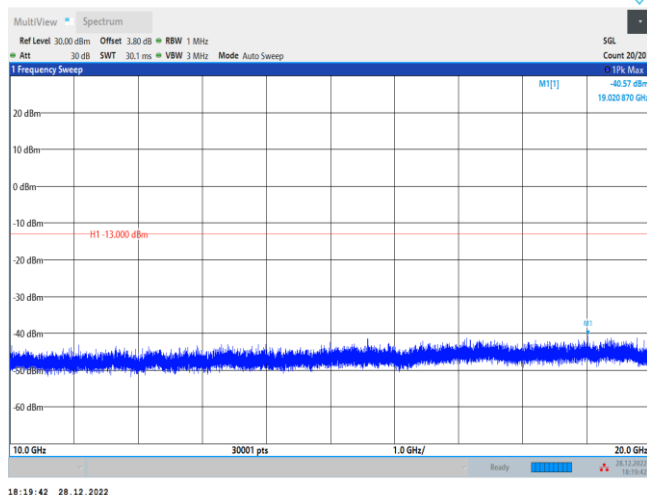
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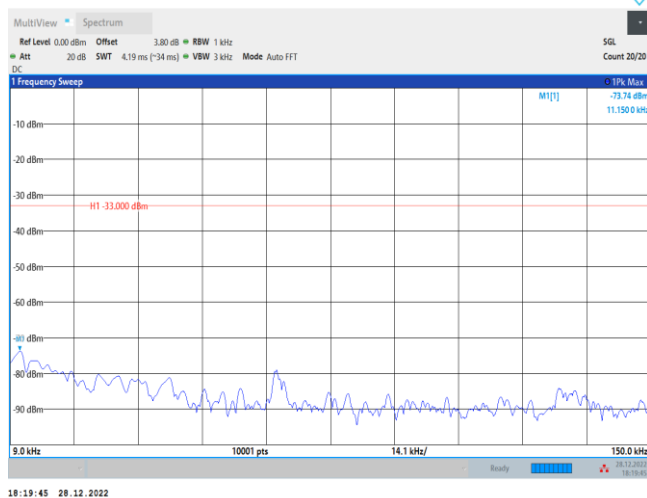
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Page: 27 of 66

GSM850-128-10000~20000MHz



GSM850-190-0.009~0.15MHz



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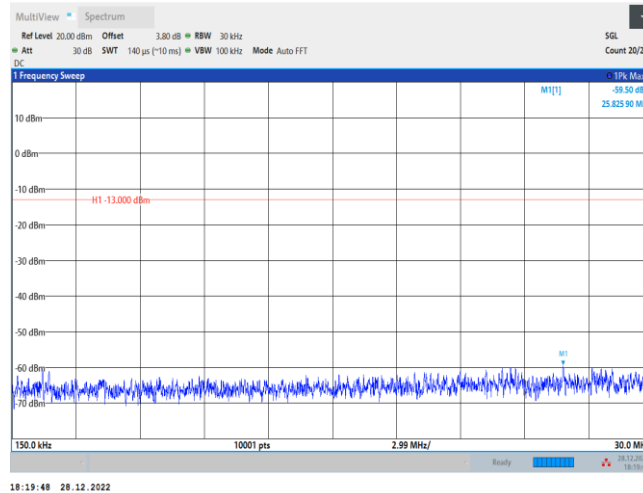
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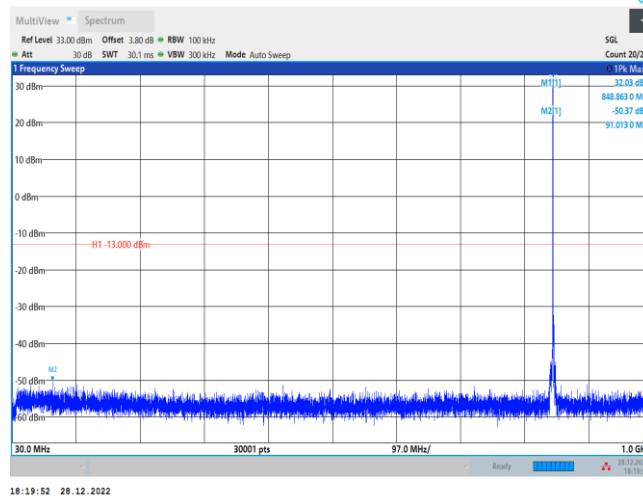
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Page: 28 of 66

GSM850-190-0.15~30MHz



GSM850-190-30~1000MHz



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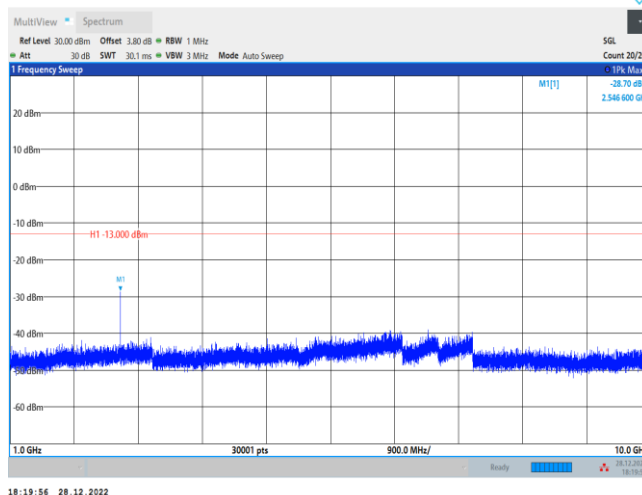
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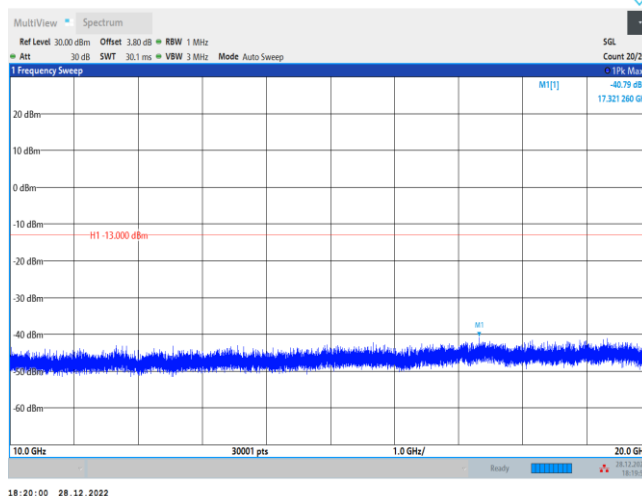
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GSM850-190-1000~10000MHz



GSM850-190-10000~20000MHz



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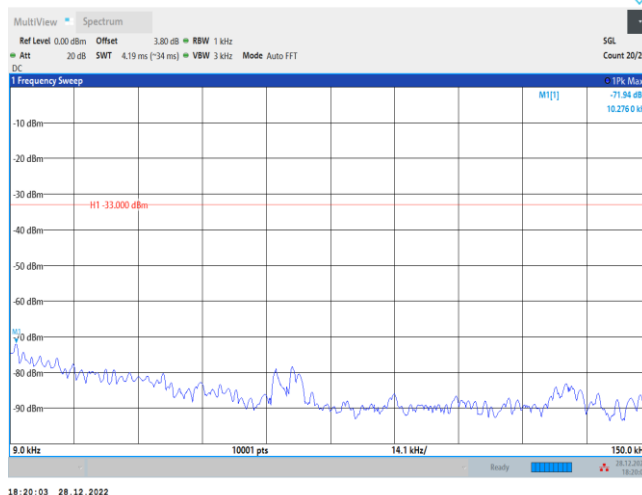
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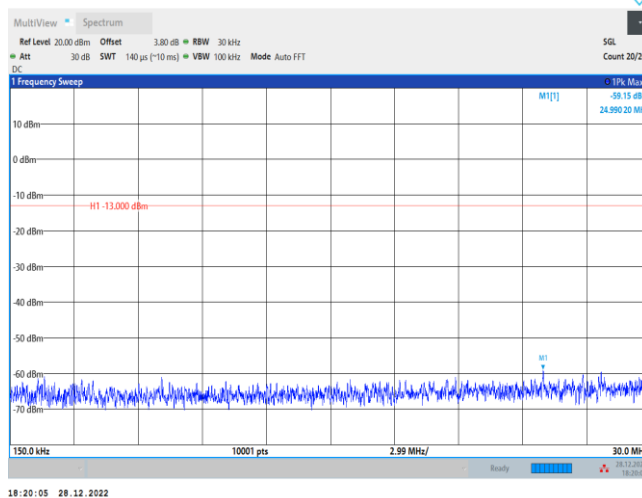
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Page: 30 of 66

GSM850-251-0.009~0.15MHz



GSM850-251-0.15~30MHz



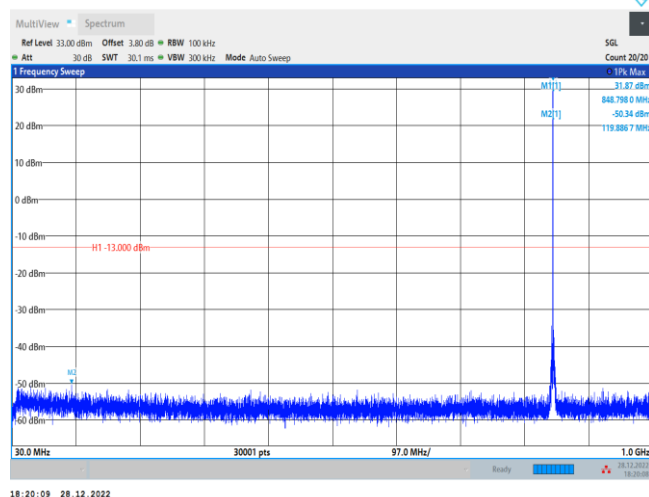
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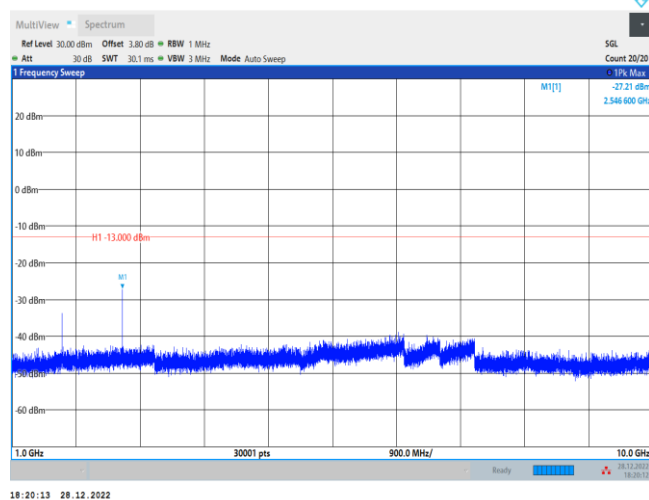
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GSM850-251-30~1000MHz



GSM850-251-1000~10000MHz



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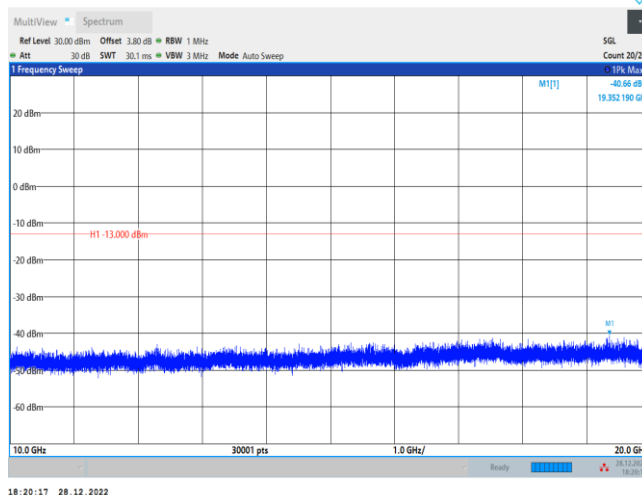
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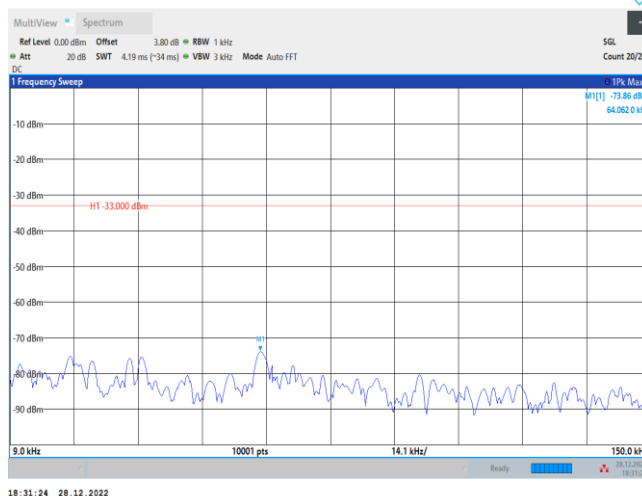
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GSM850-251-10000~20000MHz



EGPRS850-128-0.009~0.15MHz



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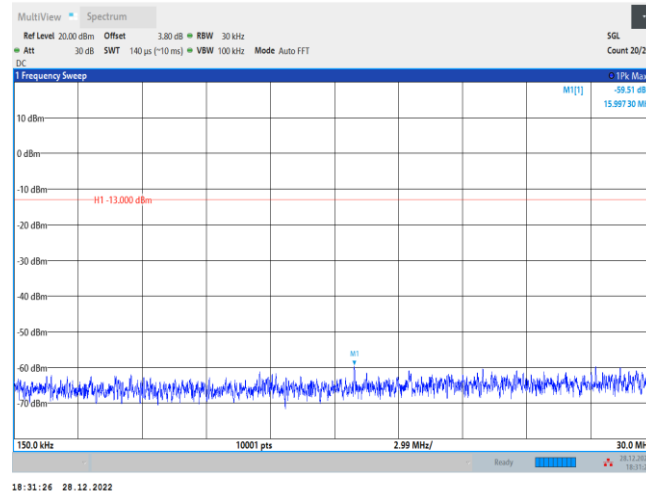
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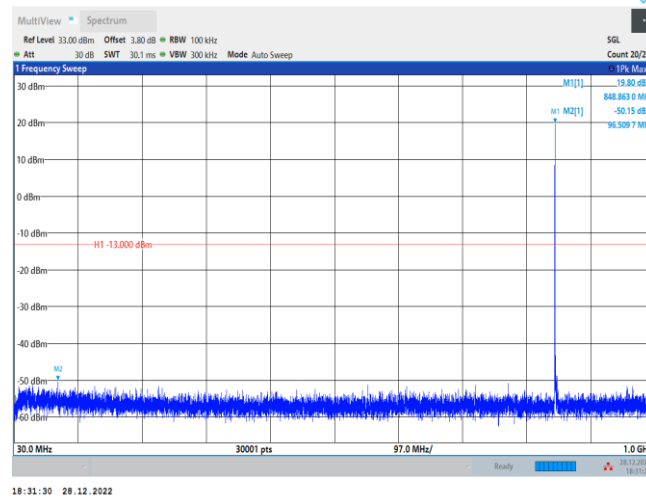
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EGPRS850-128-0.15~30MHz



EGPRS850-128-30~1000MHz



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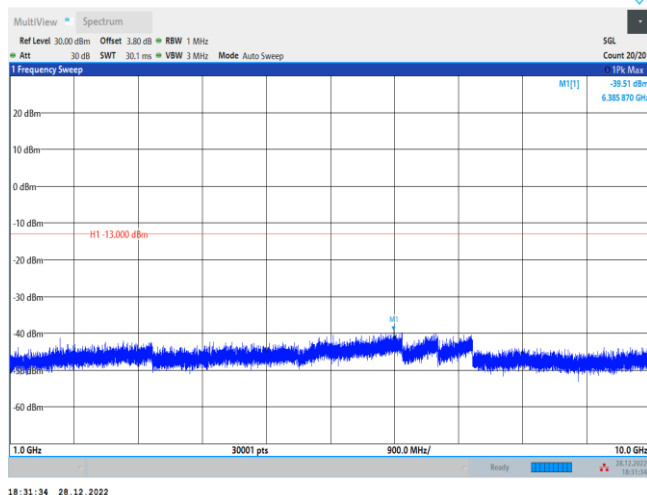
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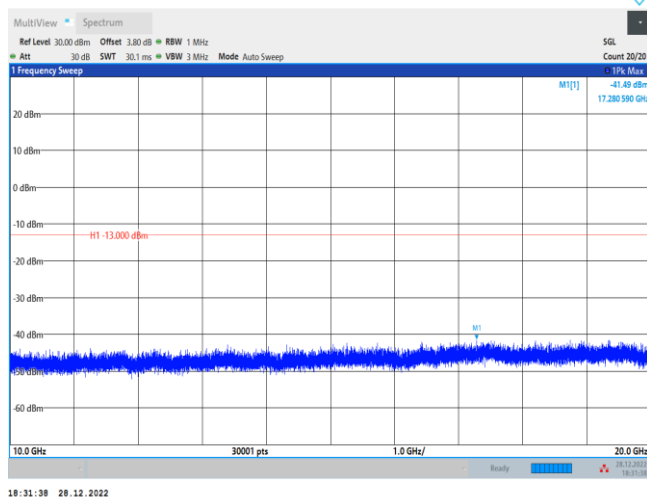
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EGPRS850-128-1000~10000MHz



EGPRS850-128-10000~20000MHz



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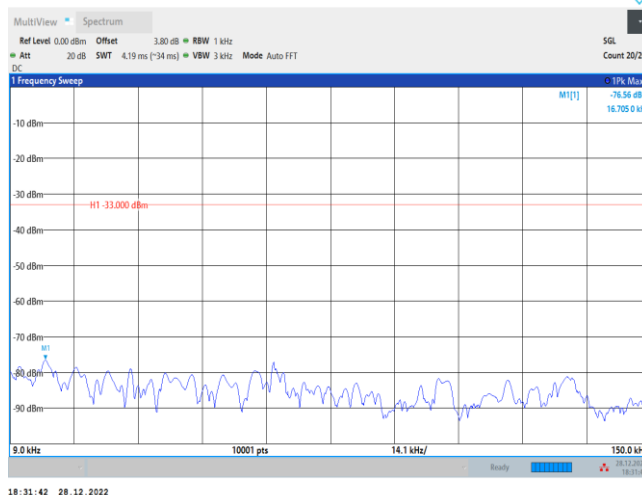
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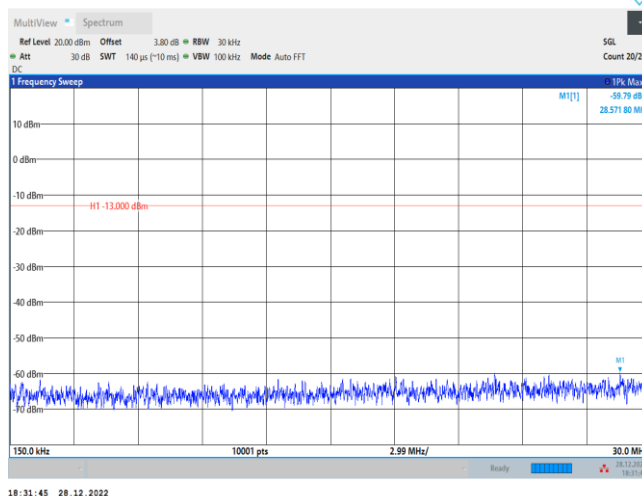
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EGPRS850-190-0.009~0.15MHz



EGPRS850-190-0.15~30MHz



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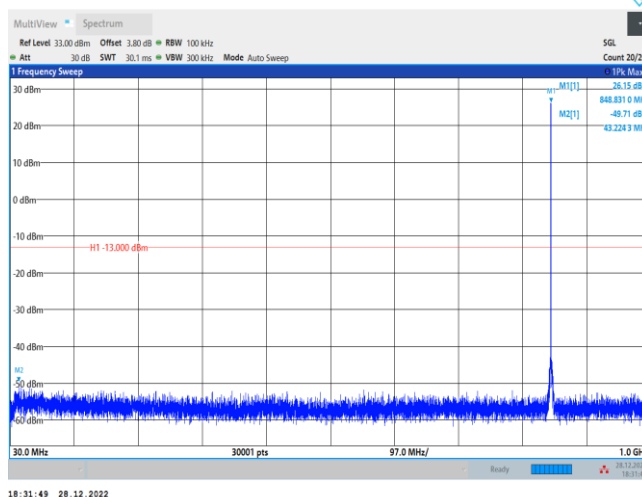
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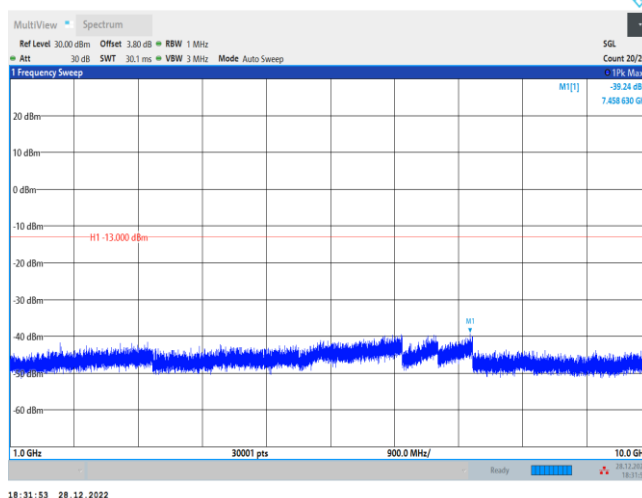
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EGPRS850-190-30~1000MHz



EGPRS850-190-1000~10000MHz



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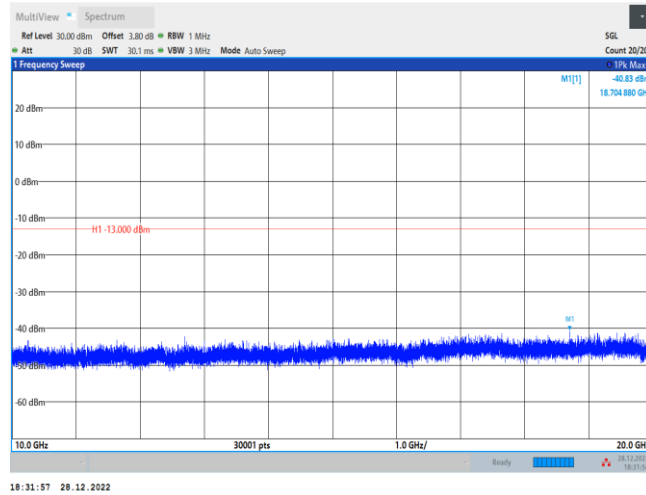
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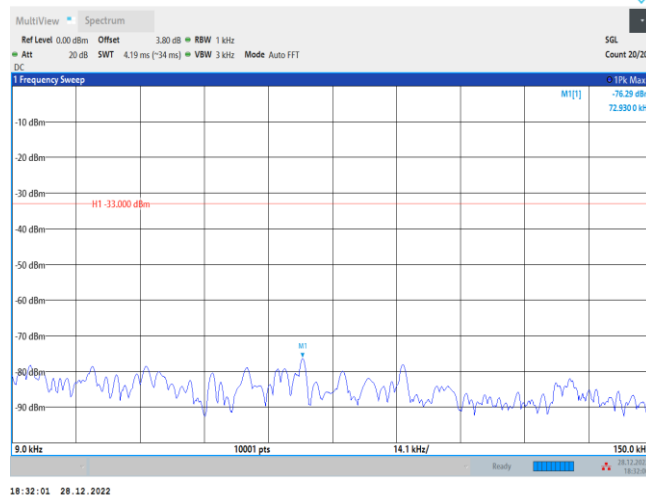
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EGPRS850-190-10000~20000MHz



EGPRS850-251-0.009~0.15MHz



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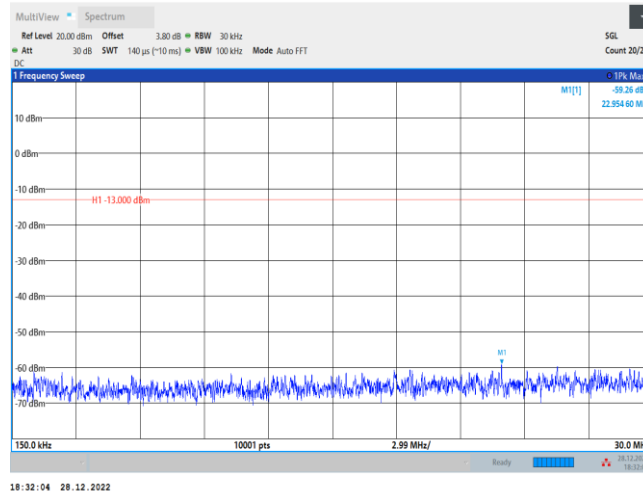
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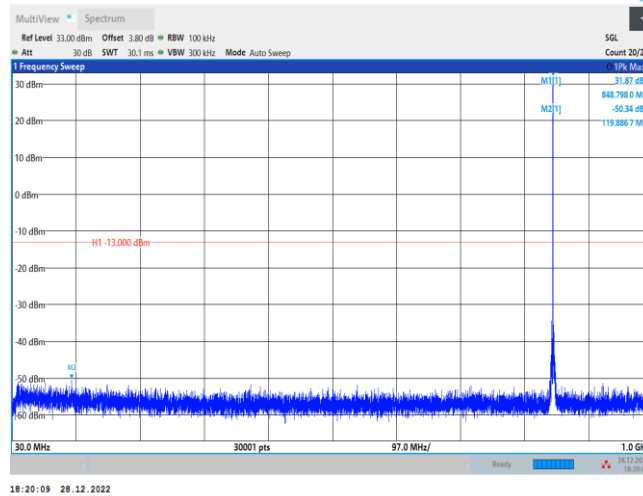
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EGPRS850-251-0.15~30MHz



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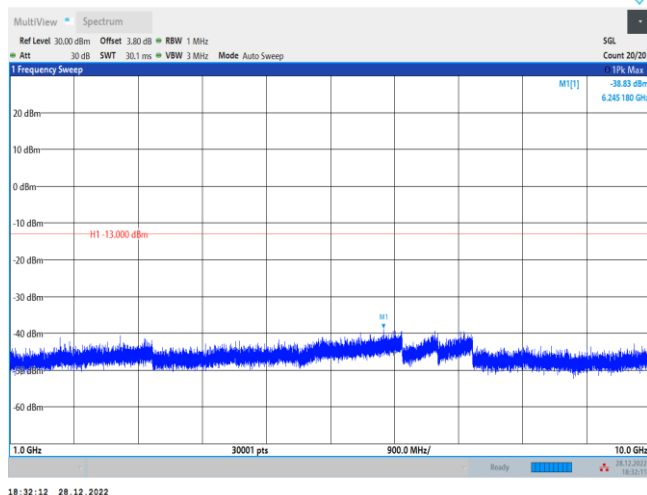
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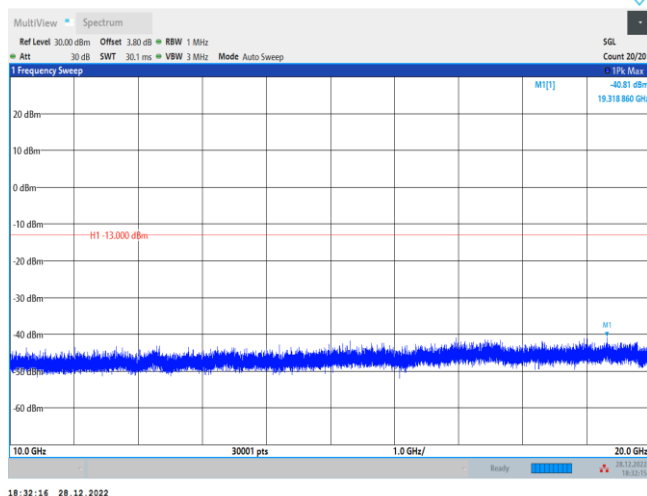
Rev.: 02

Page: 39 of 66

EGPRS850-251-1000~10000MHz



EGPRS850-251-10000~20000MHz



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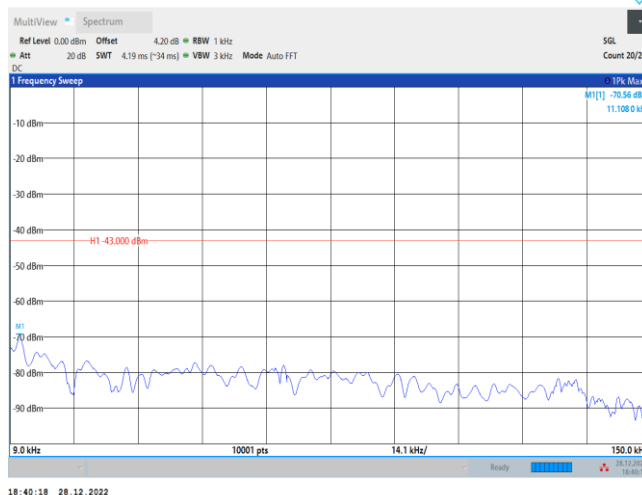
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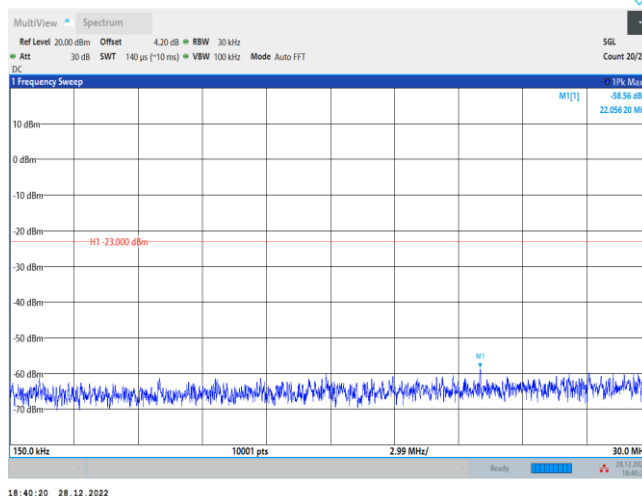
Rev.: 02

Page: 40 of 66

GSM1900-512-0.009~0.15MHz



GSM1900-512-0.15~30MHz



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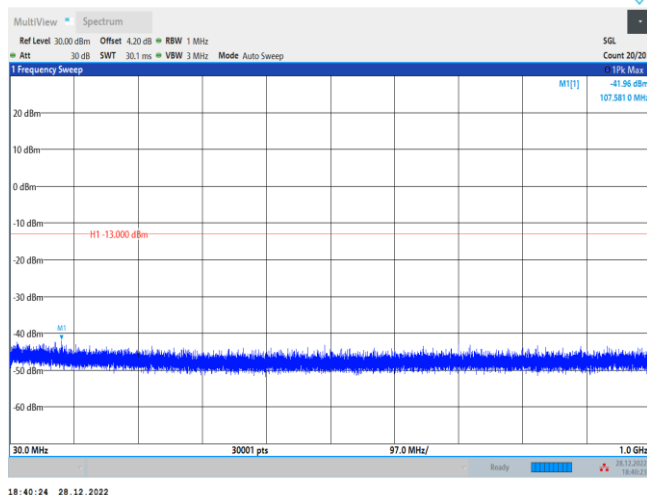
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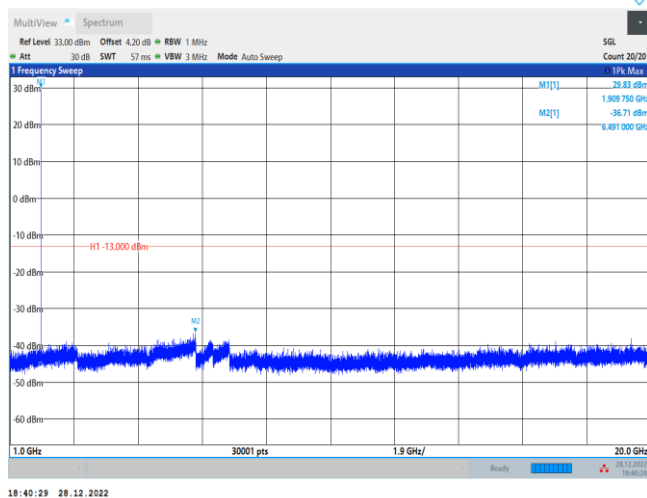
Rev.: 02

Page: 41 of 66

GSM1900-512-30~1000MHz



GSM1900-512-1000~20000MHz

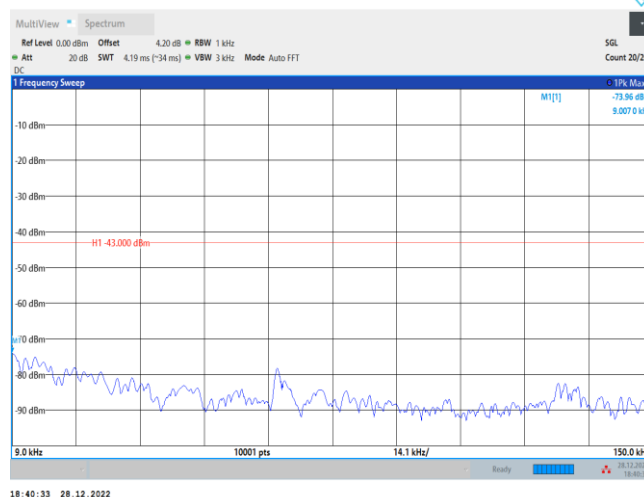


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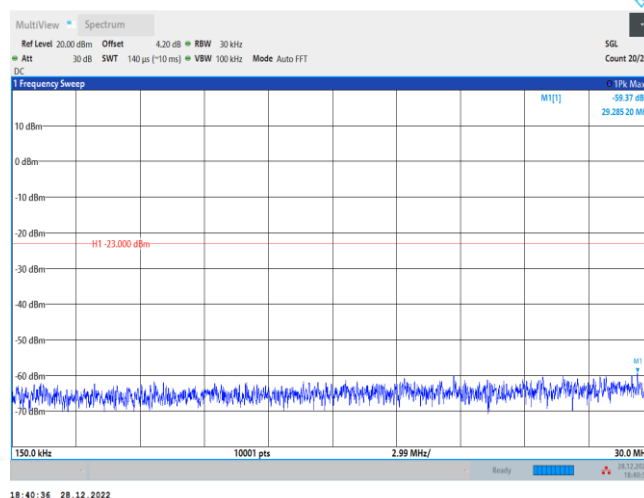
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Page: 42 of 66

GSM1900-661-0.009~0.15MHz



GSM1900-661-0.15~30MHz



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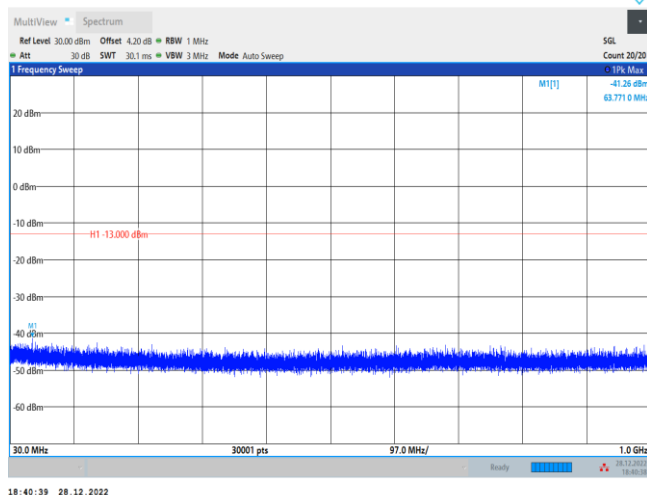
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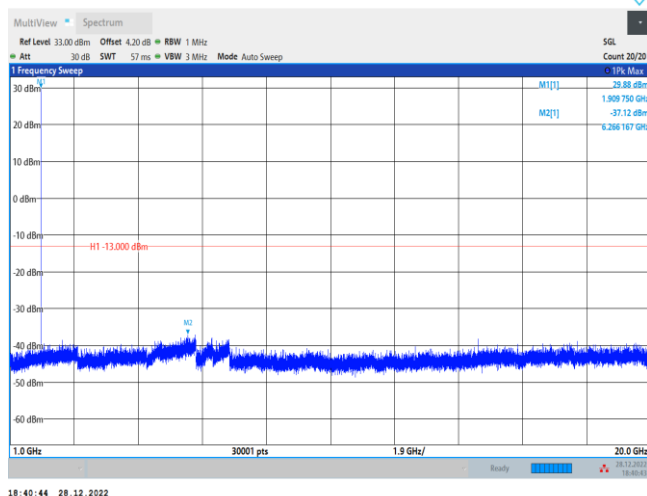
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Page: 43 of 66

GSM1900-661-30~1000MHz



GSM1900-661-1000~20000MHz



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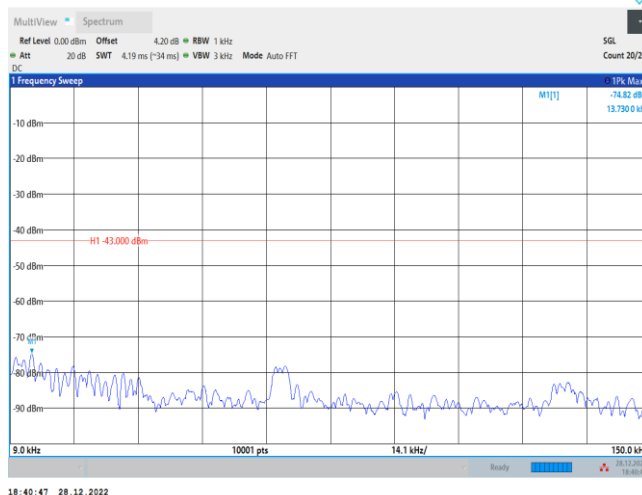
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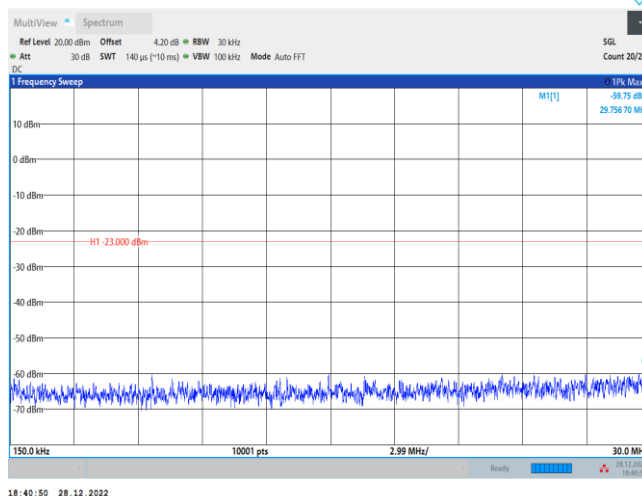
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Page: 44 of 66

GSM1900-810-0.009~0.15MHz



GSM1900-810-0.15~30MHz



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