

Appendix A: Conducted Output Power

Test Result

Band	Channel	Conducted Output Power (dBm)	Limit(dBm)	Verdict
GSM850	128	33.08	38.45	PASS
GSM850	190	33.13	38.45	PASS
GSM850	251	32.90	38.45	PASS

Band	Channel	Up Slot Num	Power(dBm)	Limit(dBm)	Verdict
GPRS850	128	1	33.10	38.45	PASS
GPRS850	128	2	32.32	38.45	PASS
GPRS850	128	3	30.52	38.45	PASS
GPRS850	128	4	29.41	38.45	PASS
GPRS850	190	1	33.06	38.45	PASS
GPRS850	190	2	32.32	38.45	PASS
GPRS850	190	3	30.56	38.45	PASS
GPRS850	190	4	29.44	38.45	PASS
GPRS850	251	1	32.83	38.45	PASS
GPRS850	251	2	32.11	38.45	PASS
GPRS850	251	3	30.34	38.45	PASS
GPRS850	251	4	29.23	38.45	PASS

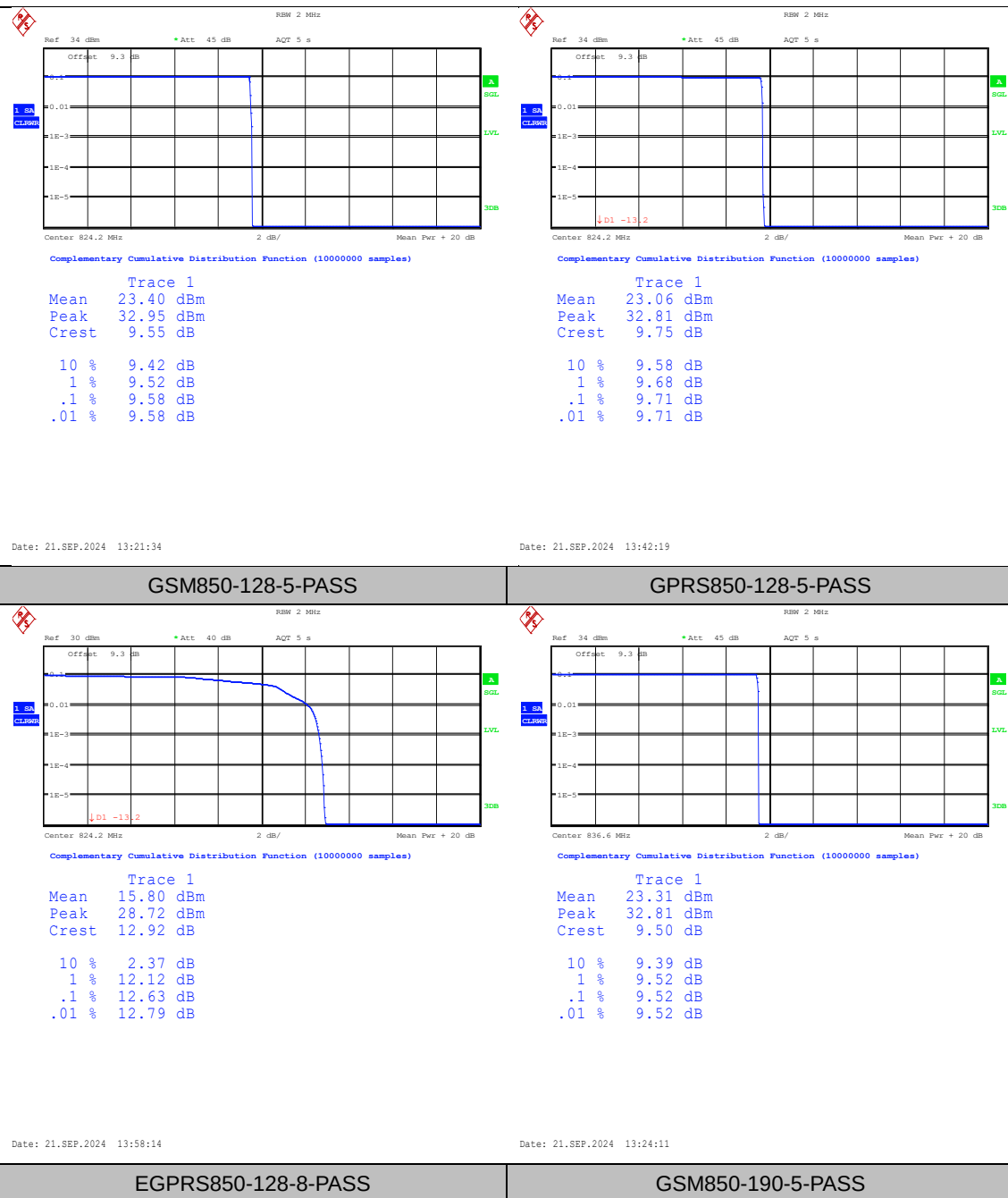
Band	Channel	Up Slot Num	Power(dBm)	Limit(dBm)	Verdict
EGPRS850	128	1	25.60	38.45	PASS
EGPRS850	128	2	24.27	38.45	PASS
EGPRS850	128	3	21.62	38.45	PASS
EGPRS850	128	4	20.00	38.45	PASS
EGPRS850	190	1	25.34	38.45	PASS
EGPRS850	190	2	24.19	38.45	PASS
EGPRS850	190	3	21.74	38.45	PASS
EGPRS850	190	4	20.32	38.45	PASS
EGPRS850	251	1	25.41	38.45	PASS
EGPRS850	251	2	24.15	38.45	PASS
EGPRS850	251	3	21.57	38.45	PASS
EGPRS850	251	4	20.45	38.45	PASS

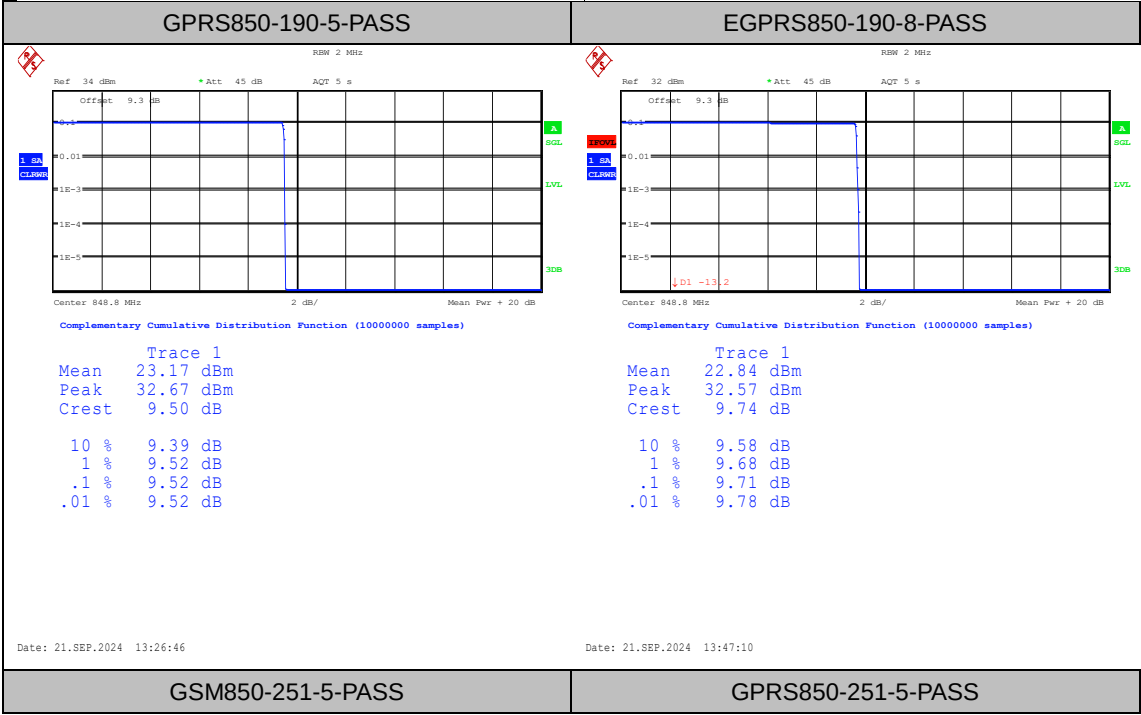
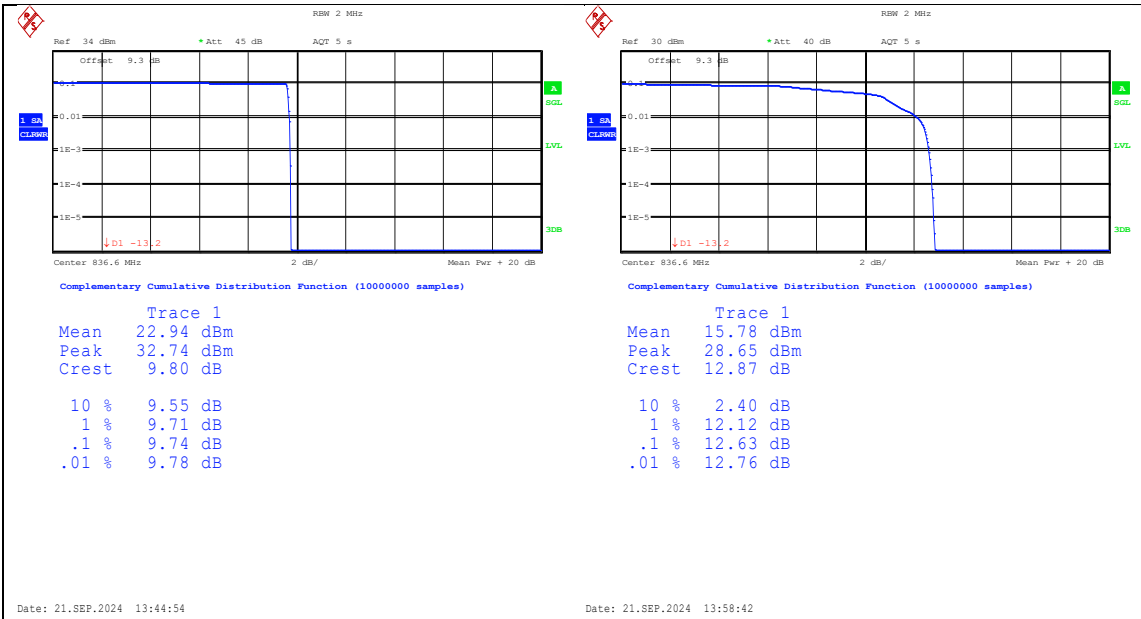
Appendix B: Peak-to-Average Ratio(CCDF)

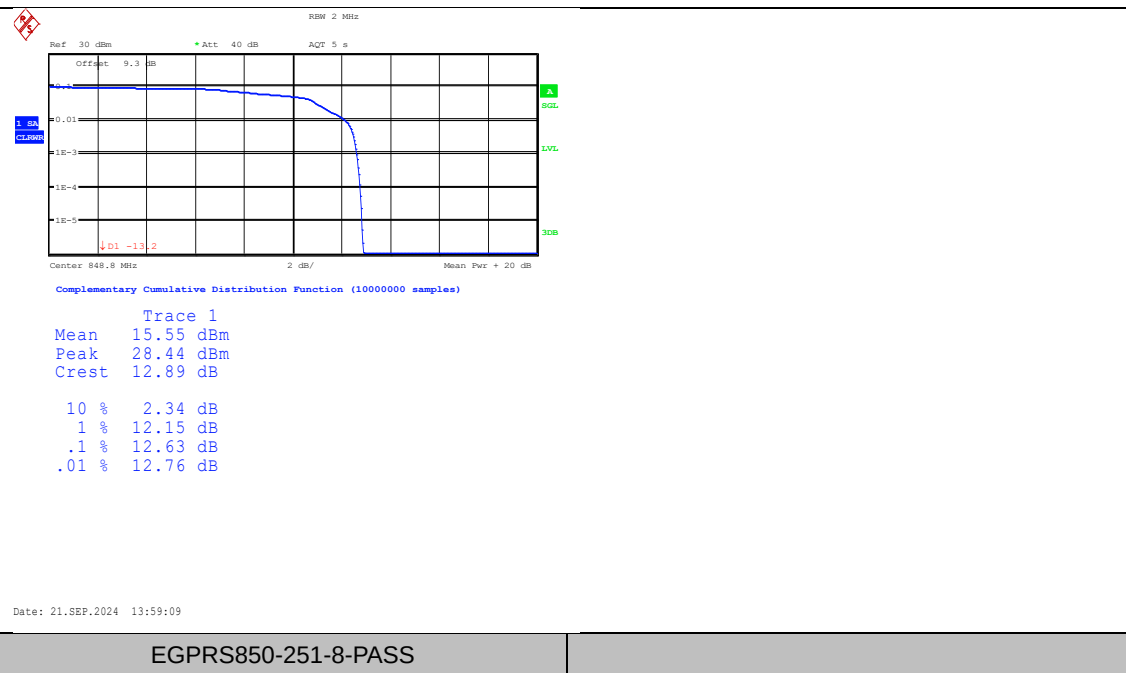
Test Result

Band	Channel	Result(dB)	Limit(dB)	Verdict
GSM850	128	9.58	13	PASS
GPRS850	128	9.71	13	PASS
EGPRS850	128	12.63	13	PASS
GSM850	190	9.52	13	PASS
GPRS850	190	9.74	13	PASS
EGPRS850	190	12.63	13	PASS
GSM850	251	9.52	13	PASS
GPRS850	251	9.71	13	PASS
EGPRS850	251	12.63	13	PASS

Test Graphs





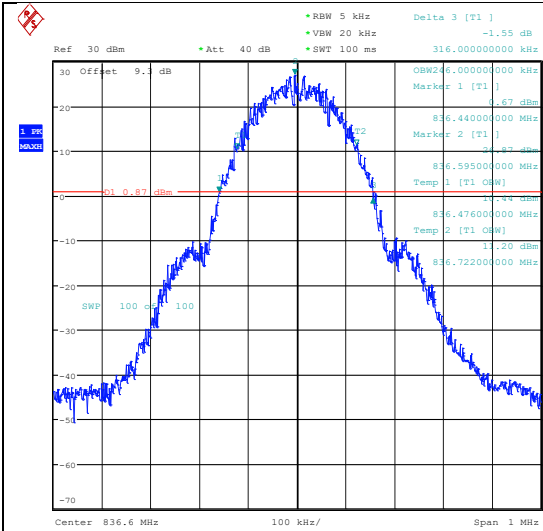


Appendix C: 26dB Bandwidth and Occupied Bandwidth

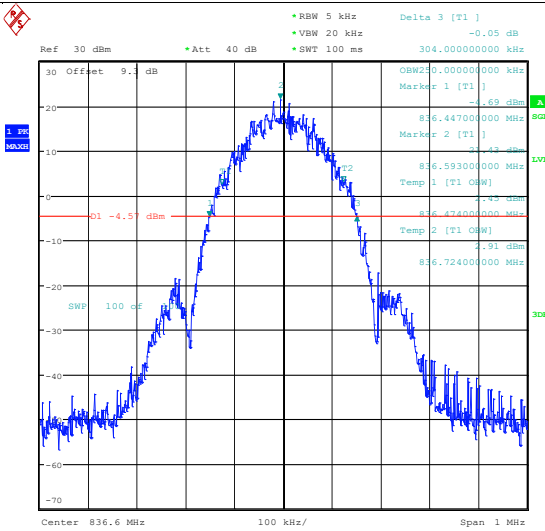
Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GSM850	128	0.244	0.31	---	PASS
GPRS850	128	0.245	0.31	---	PASS
EGPRS850	128	0.247	0.30	---	PASS
GSM850	190	0.248	0.32	---	PASS
GPRS850	190	0.246	0.32	---	PASS
EGPRS850	190	0.25	0.30	---	PASS
GSM850	251	0.245	0.32	---	PASS
GPRS850	251	0.25	0.32	---	PASS
EGPRS850	251	0.244	0.31	---	PASS

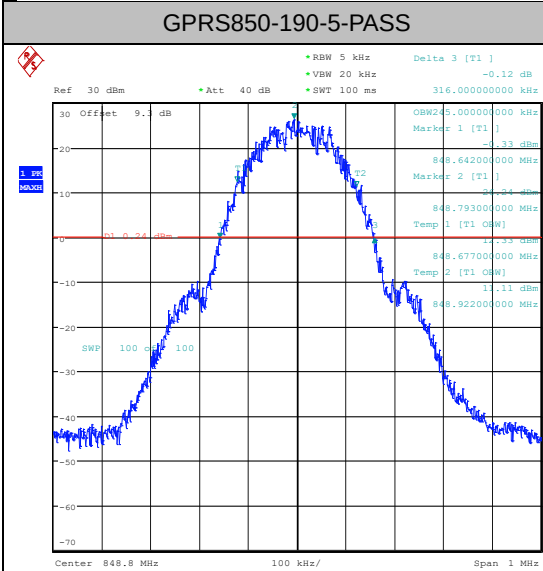
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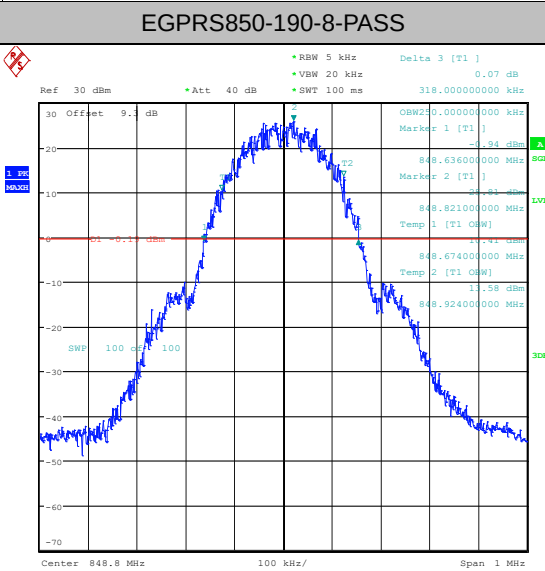
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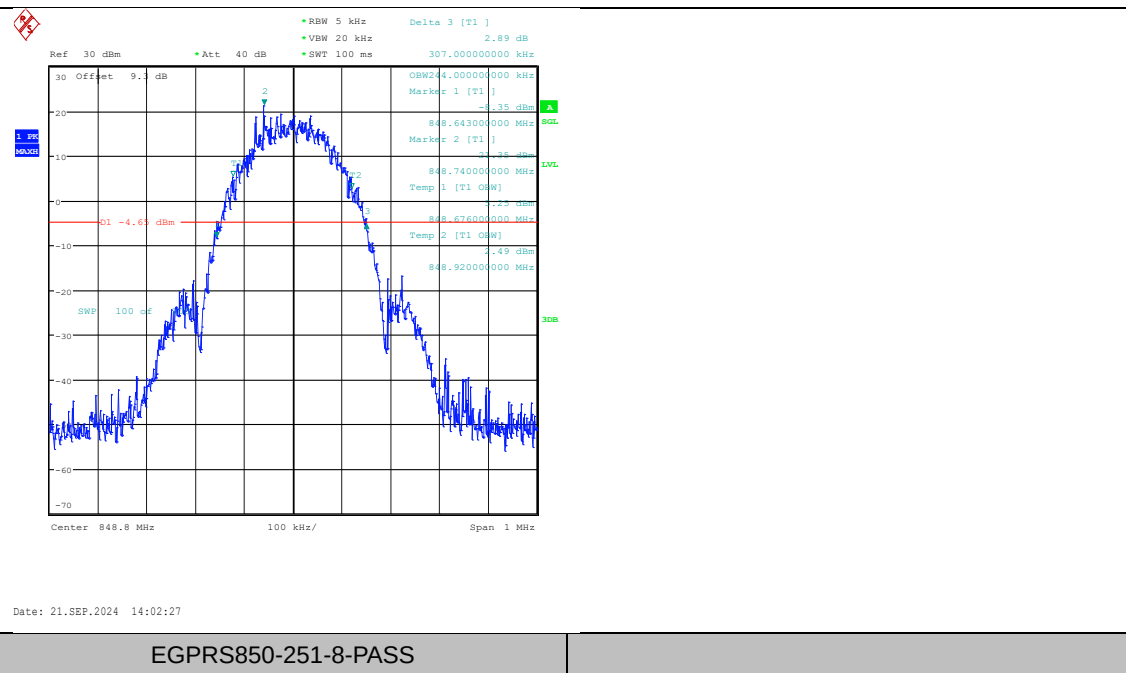
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Date: 21.SEP.2024 13:50:28

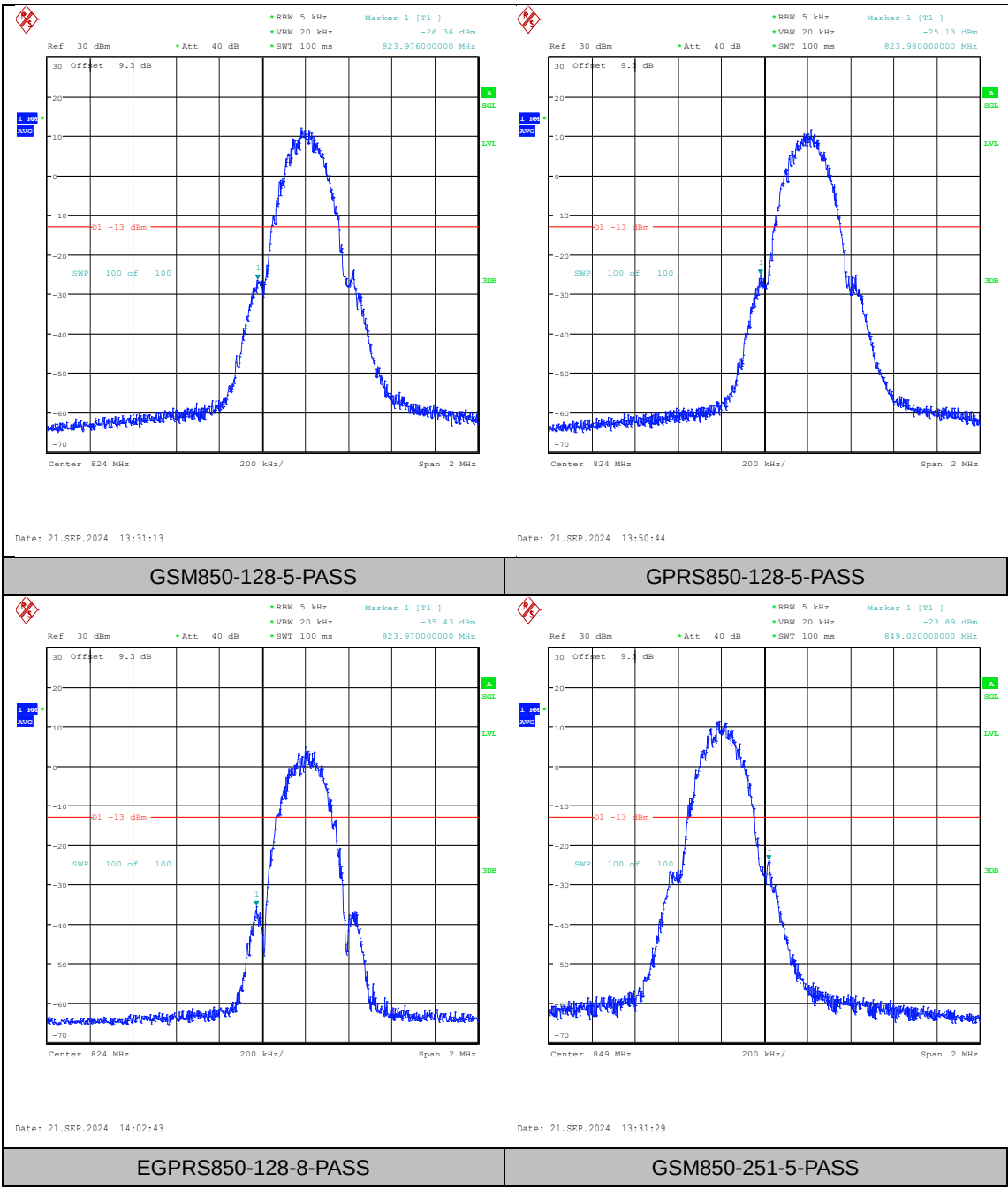


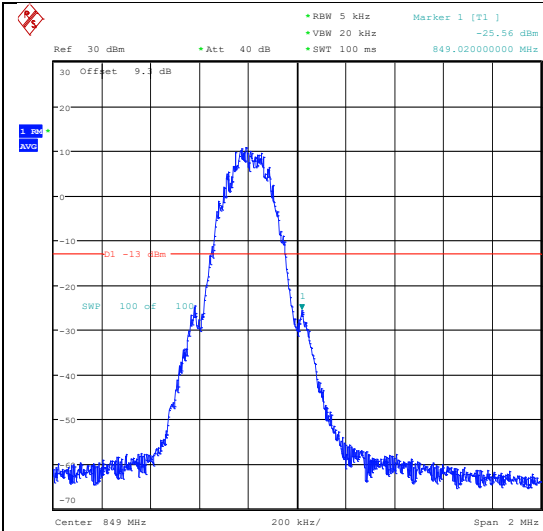
Appendix D: Band Edge

Test Result

Band	Channel	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GSM850	128	823.98	-26.36	-13	PASS
GPRS850	128	823.98	-25.13	-13	PASS
EGPRS850	128	823.97	-35.43	-13	PASS
GSM850	251	849.02	-23.89	-13	PASS
GPRS850	251	849.02	-25.56	-13	PASS
EGPRS850	251	849.01	-34.18	-13	PASS

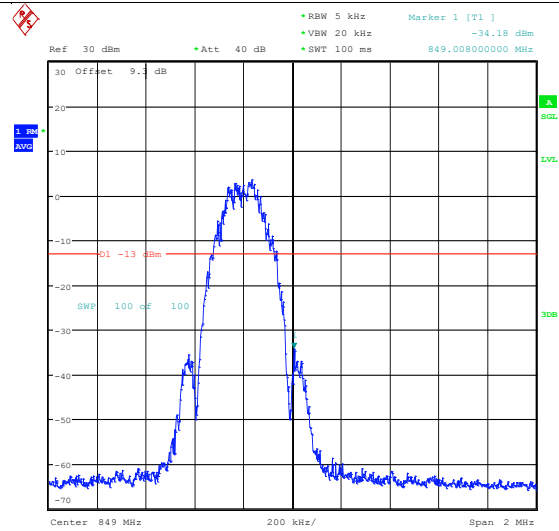
Test Graphs





Date: 21.SEP.2024 13:50:58

GPRS850-251-5-PASS



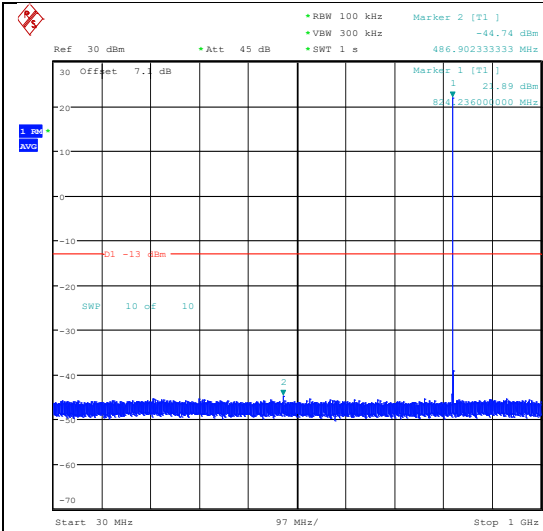
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EGPRS850-251-8-PASS

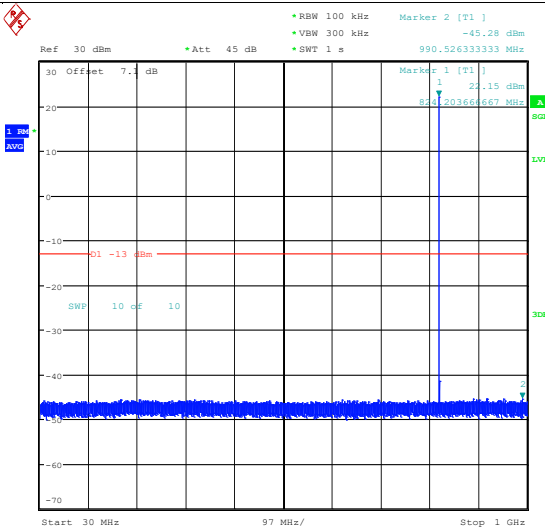
Appendix E: Conducted Spurious Emission

Test Result

Band	Channel	Frequency Range(MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
GSM850	128	0.009~0.15MHz	0.01	-46.87	-33	PASS
GPRS850	128	0.009~0.15MHz	0.01	-48.14	-33	PASS
GSM850	128	0.15~30MHz	0.16	-51.96	-23	PASS
GPRS850	128	0.15~30MHz	0.18	-50.72	-23	PASS
GSM850	128	30~1000MHz	486.9	-44.74	-13	PASS
GPRS850	128	30~1000MHz	990.53	-45.28	-13	PASS
GSM850	128	1000~10000MHz	2472.1	-42.18	-13	PASS
GPRS850	128	1000~10000MHz	1648.3	-33.88	-13	PASS
EGPRS850	128	0.009~0.15MHz	0.01	-47.88	-33	PASS
EGPRS850	128	0.15~30MHz	0.19	-52.44	-23	PASS
EGPRS850	128	30~1000MHz	186.56	-45.16	-13	PASS
EGPRS850	128	1000~10000MHz	1648.3	-41.45	-13	PASS
GSM850	190	0.009~0.15MHz	0.01	-43.14	-33	PASS
GPRS850	190	0.009~0.15MHz	0.01	-47.61	-33	PASS
GSM850	190	0.15~30MHz	0.18	-52.44	-23	PASS
GPRS850	190	0.15~30MHz	0.15	-51.98	-23	PASS
GSM850	190	30~1000MHz	674.14	-45	-13	PASS
GPRS850	190	30~1000MHz	195.58	-45.23	-13	PASS
GSM850	190	1000~10000MHz	1673.2	-28.86	-13	PASS
GPRS850	190	1000~10000MHz	2509.9	-42.77	-13	PASS
EGPRS850	190	0.009~0.15MHz	0.01	-46.57	-33	PASS
EGPRS850	190	0.15~30MHz	0.16	-52.86	-23	PASS
EGPRS850	190	30~1000MHz	508.76	-45.39	-13	PASS
EGPRS850	190	1000~10000MHz	3183.4	-44.56	-13	PASS
GSM850	251	0.009~0.15MHz	0.01	-44.55	-33	PASS
GPRS850	251	0.009~0.15MHz	0.01	-46.99	-33	PASS
GSM850	251	0.15~30MHz	0.18	-53.04	-23	PASS
GPRS850	251	0.15~30MHz	0.15	-52.56	-23	PASS
GSM850	251	30~1000MHz	967.15	-40.35	-13	PASS
GPRS850	251	30~1000MHz	740.82	-44.82	-13	PASS
GSM850	251	1000~10000MHz	1697.5	-30.94	-13	PASS
GPRS850	251	1000~10000MHz	1698.1	-40.3	-13	PASS
EGPRS850	251	0.009~0.15MHz	0.01	-46.94	-33	PASS
EGPRS850	251	0.15~30MHz	0.18	-52.87	-23	PASS
EGPRS850	251	30~1000MHz	596.97	-45.33	-13	PASS
EGPRS850	251	1000~10000MHz	3182.2	-44.05	-13	PASS

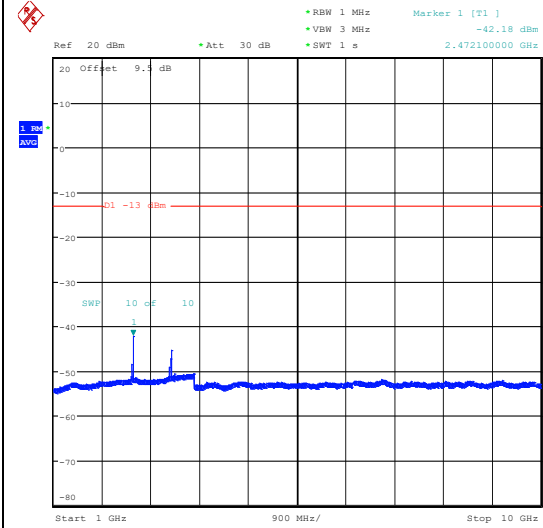


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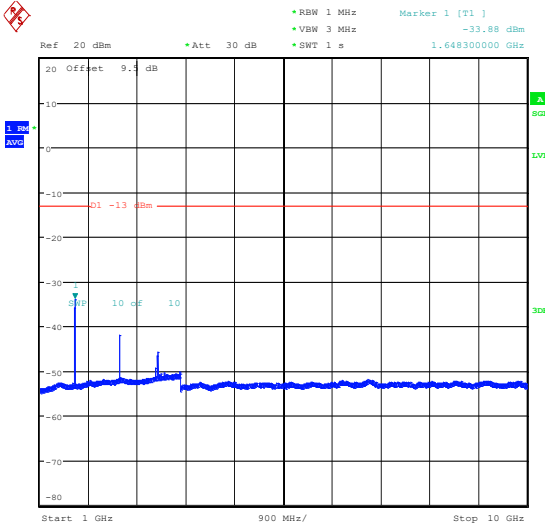


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GSM850-128-5-30~1000MHz-PASS	GPRS850-128-5-30~1000MHz-PASS
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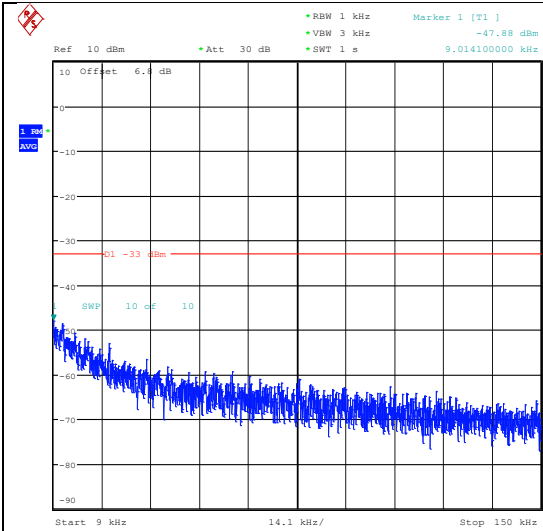


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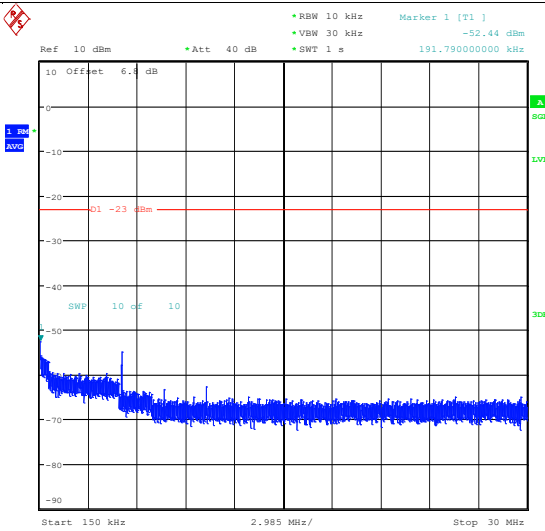


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GSM850-128-5-1000~10000MHz-PASS	GPRS850-128-5-1000~10000MHz-PASS
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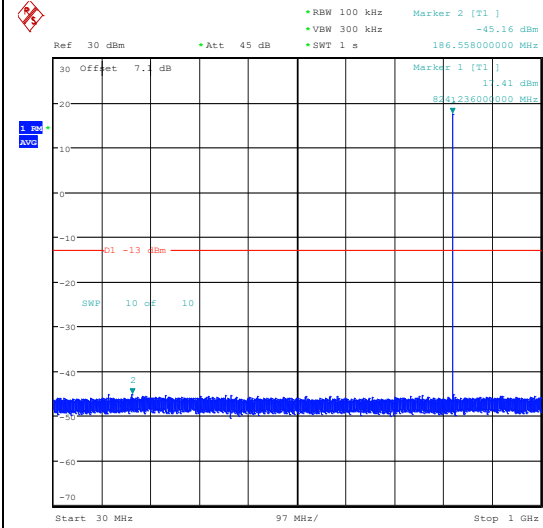


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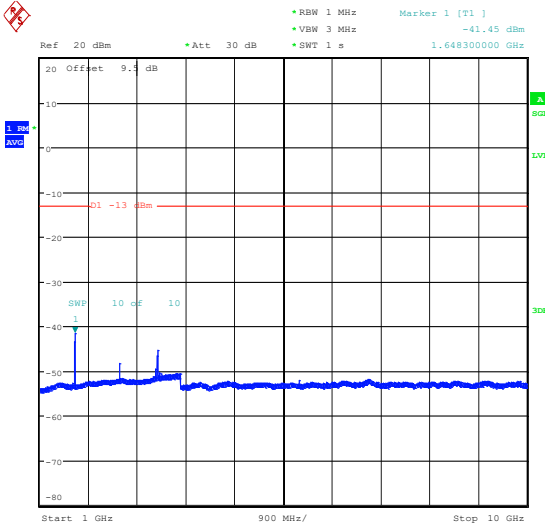


Date: 21.SEP.2024 14:03:31

EGPRS850-128-8-0.009~0.15MHz-PASS	EGPRS850-128-8-0.15~30MHz-PASS
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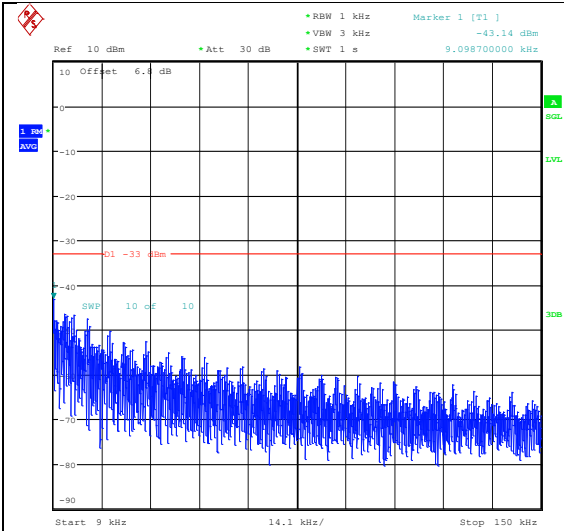


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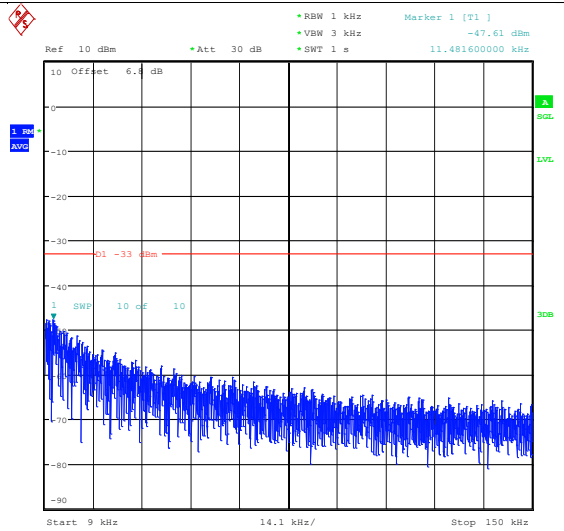


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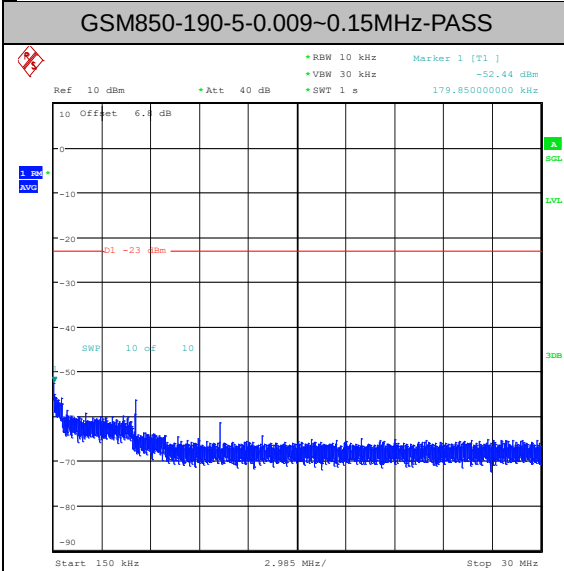
EGPRS850-128-8-30~1000MHz-PASS	EGPRS850-128-8-1000~10000MHz-PASS
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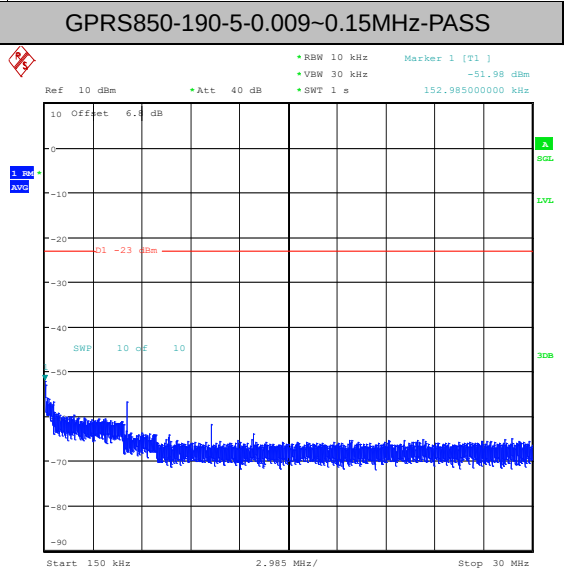
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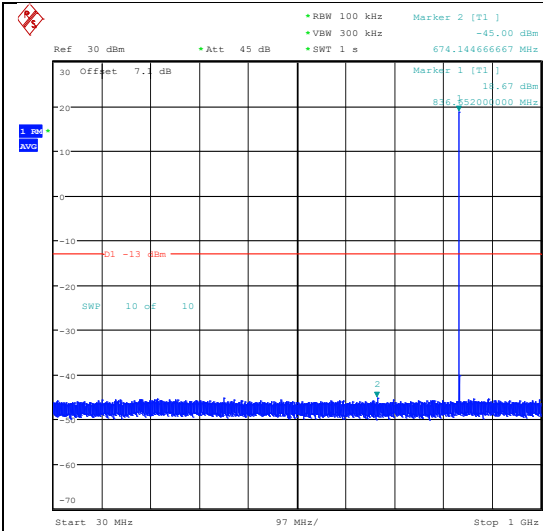
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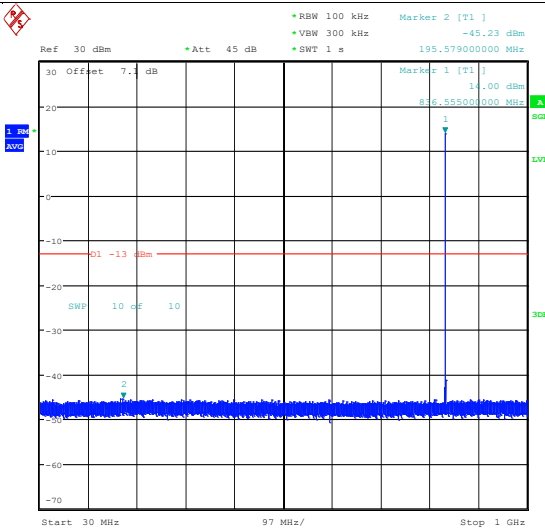
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GSM850-190-5-0.15~30MHz-PASS

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



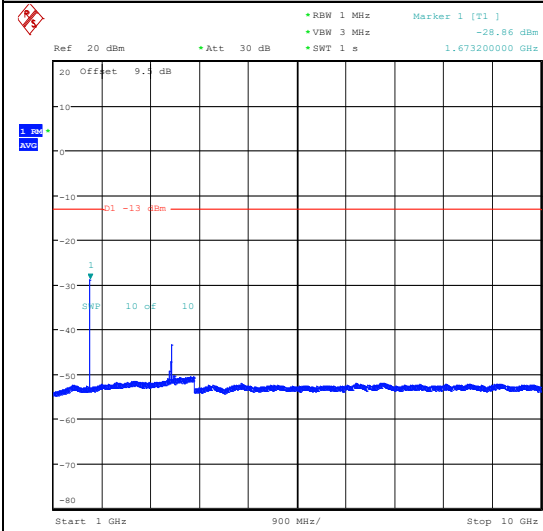
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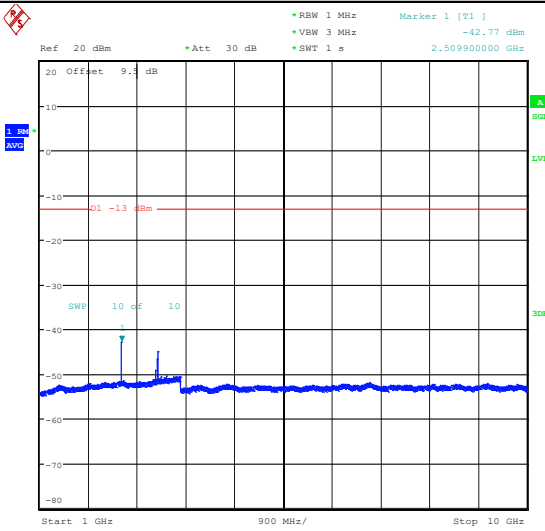
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GSM850-190-5-30~1000MHz-PASS

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



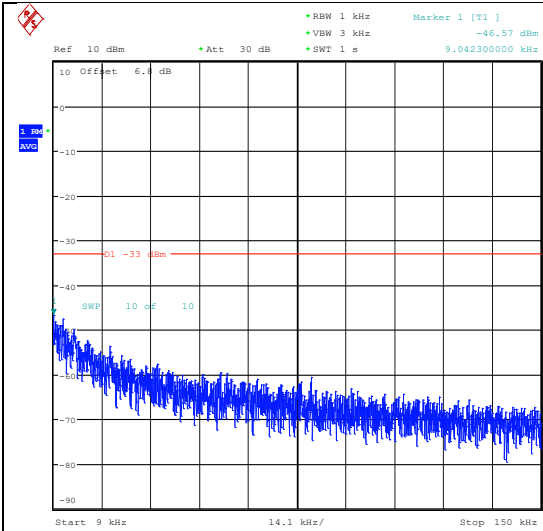
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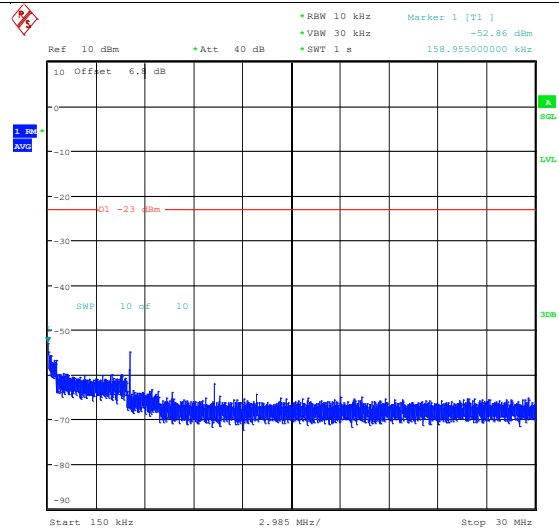
GSM850-190-5-1000~10000MHz-PASS

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



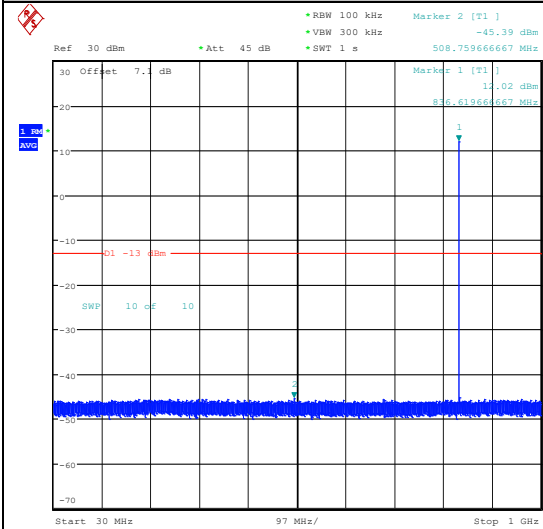
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EGPRS850-190-8-0.009~0.15MHz-PASS



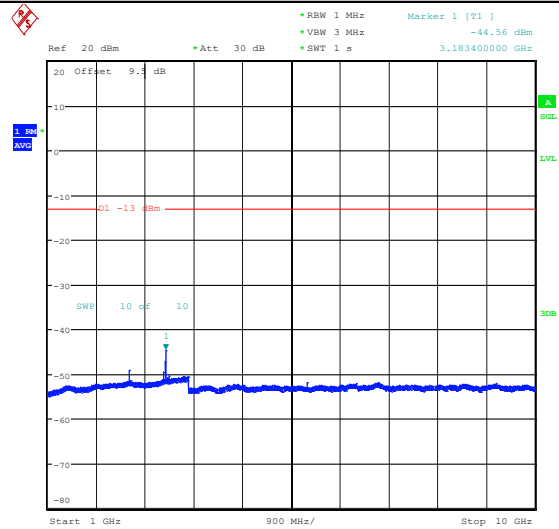
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EGPRS850-190-8-0.15~30MHz-PASS



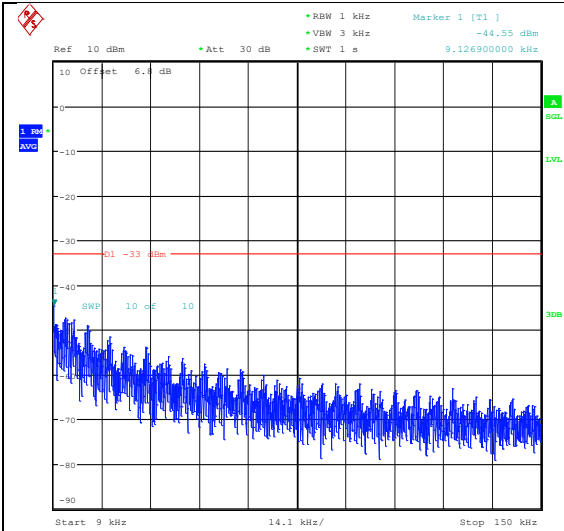
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EGPRS850-190-8-30~1000MHz-PASS

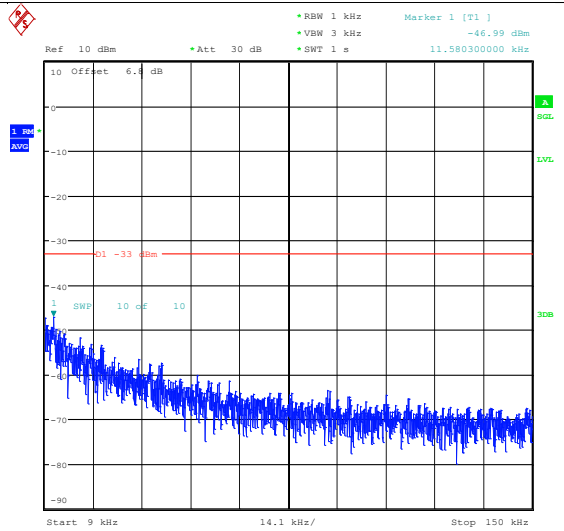


Date: 21.SEP.2024 14:05:00

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

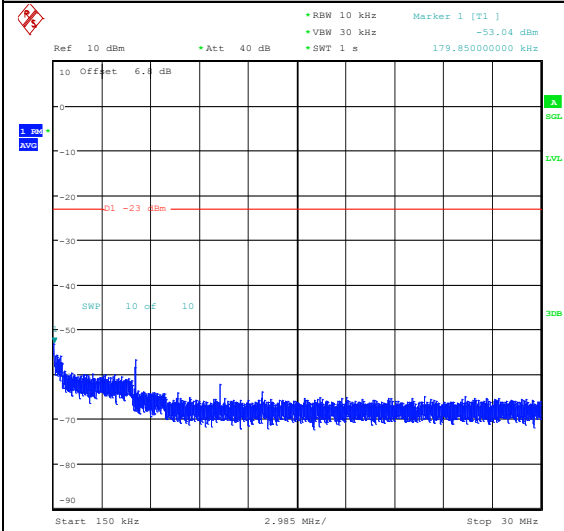


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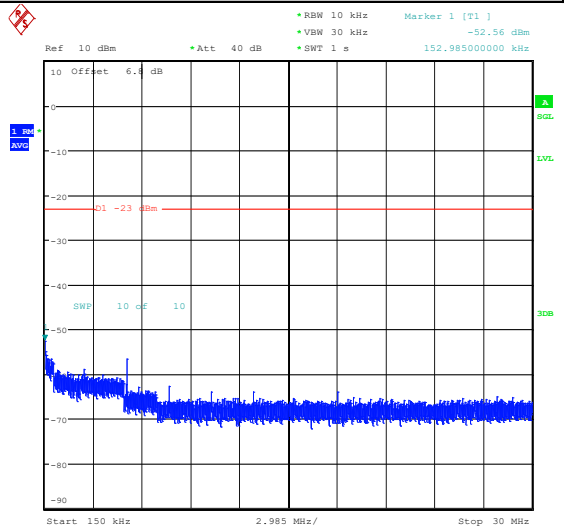


Date: 21.SEP.2024 13:53:15

GSM850-251-5-0.009~0.15MHz-PASS GPRS850-251-5-0.009~0.15MHz-PASS

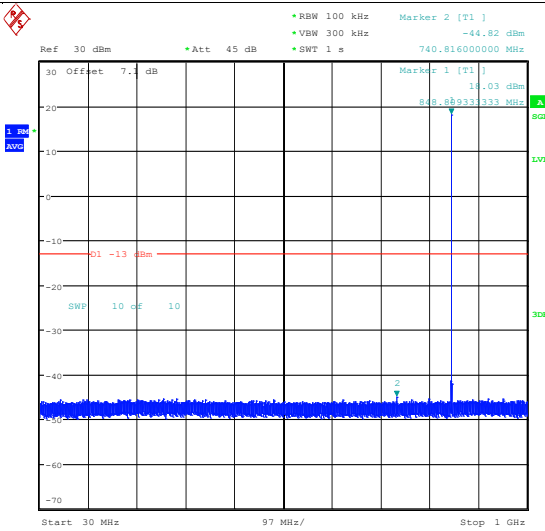
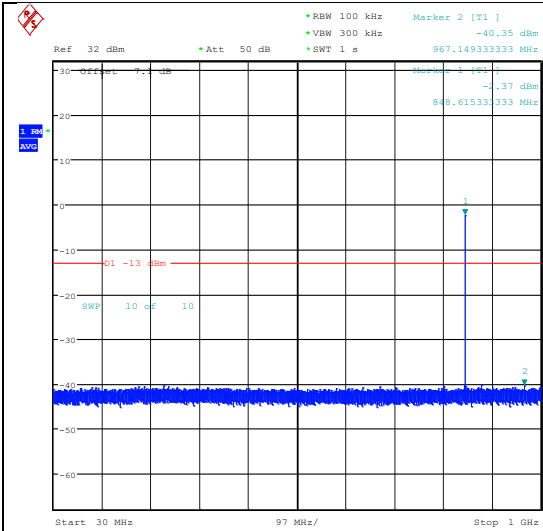


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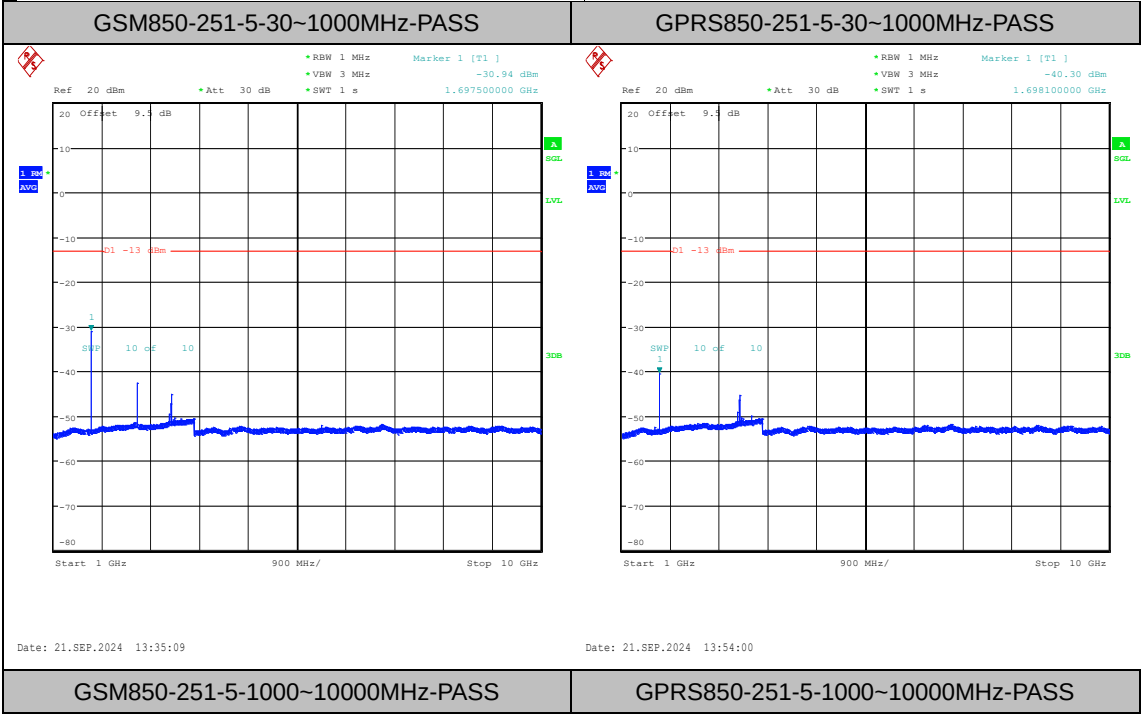
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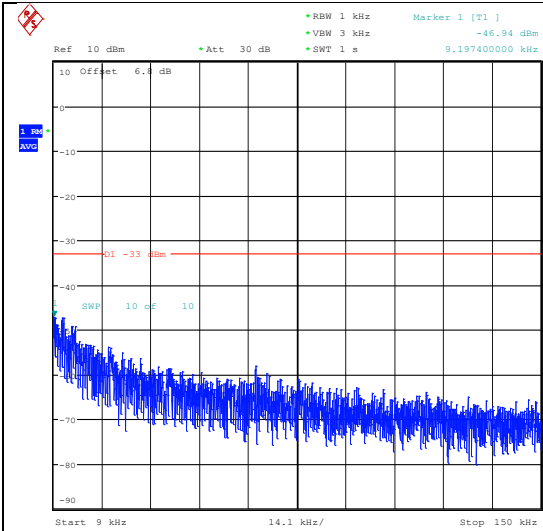
GSM850-251-5-0.15~30MHz-PASS GPRS850-251-5-0.15~30MHz-PASS



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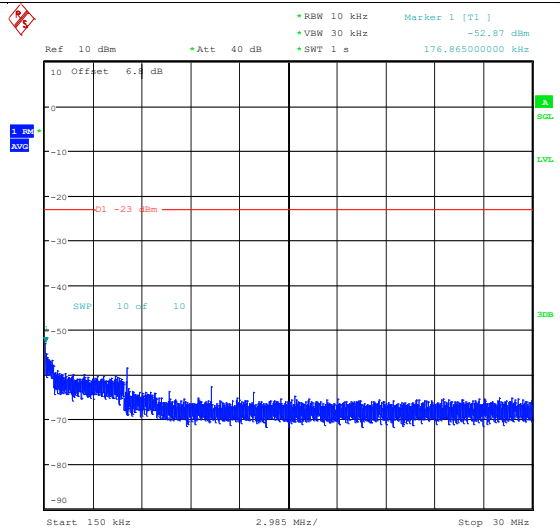
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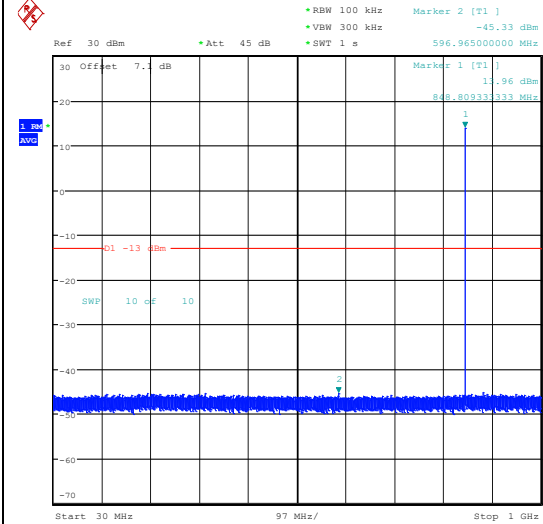
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EGPRS850-251-8-0.009~0.15MHz-PASS



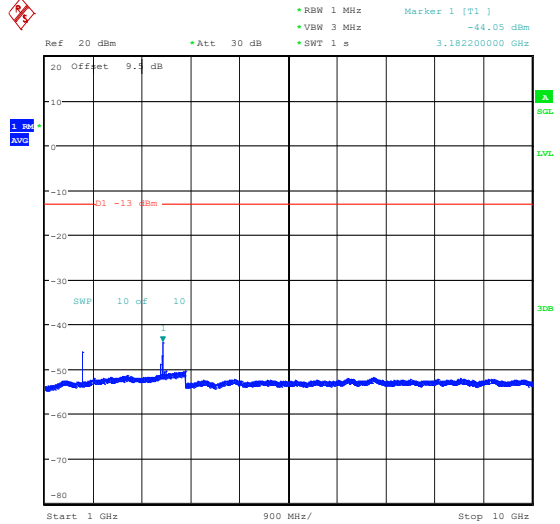
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EGPRS850-251-8-0.15~30MHz-PASS



Date: 21.SEP.2024 14:05:45

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



Date: 21.SEP.2024 14:05:59

EGPRS850-251-8-1000~10000MHz-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	-6.49	-0.007874	±2.5	PASS
GSM850	128	VL	NT	-4.94	-0.005994	±2.5	PASS
GSM850	128	VH	NT	-6.46	-0.007838	±2.5	PASS
GPRS850	128	VN	NT	-6.46	-0.007838	±2.5	PASS
GPRS850	128	VL	NT	-4.68	-0.005678	±2.5	PASS
GPRS850	128	VH	NT	-5.55	-0.006734	±2.5	PASS
EGPRS850	128	VN	NT	-2.26	-0.002742	±2.5	PASS
EGPRS850	128	VL	NT	-4.33	-0.005254	±2.5	PASS
EGPRS850	128	VH	NT	-2.00	-0.002427	±2.5	PASS
GSM850	190	VN	NT	-4.65	-0.005558	±2.5	PASS
GSM850	190	VL	NT	-0.65	-0.000777	±2.5	PASS
GSM850	190	VH	NT	-2.52	-0.003012	±2.5	PASS
GPRS850	190	VN	NT	-5.62	-0.006718	±2.5	PASS
GPRS850	190	VL	NT	-8.07	-0.009646	±2.5	PASS
GPRS850	190	VH	NT	-5.36	-0.006407	±2.5	PASS
EGPRS850	190	VN	NT	-1.87	-0.002235	±2.5	PASS
EGPRS850	190	VL	NT	-0.58	-0.000693	±2.5	PASS
EGPRS850	190	VH	NT	-1.97	-0.002355	±2.5	PASS
GSM850	251	VN	NT	-4.16	-0.004901	±2.5	PASS
GSM850	251	VL	NT	-4.00	-0.004713	±2.5	PASS
GSM850	251	VH	NT	-4.33	-0.005101	±2.5	PASS
GPRS850	251	VN	NT	-3.36	-0.003959	±2.5	PASS
GPRS850	251	VL	NT	-5.88	-0.006927	±2.5	PASS
GPRS850	251	VH	NT	-2.58	-0.003040	±2.5	PASS
EGPRS850	251	VN	NT	-2.03	-0.002392	±2.5	PASS
EGPRS850	251	VL	NT	-4.58	-0.005396	±2.5	PASS
EGPRS850	251	VH	NT	-3.13	-0.003688	±2.5	PASS

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	NV	-30	-5.59	-0.006782	±2.5	PASS
GSM850	128	NV	-20	-3.91	-0.004744	±2.5	PASS
GSM850	128	NV	-10	-3.94	-0.004780	±2.5	PASS

GSM850	128	NV	0	-5.36	-0.006503	±2.5	PASS
GSM850	128	NV	10	-4.04	-0.004902	±2.5	PASS
GSM850	128	NV	20	-4.97	-0.006030	±2.5	PASS
GSM850	128	NV	30	-9.33	-0.011320	±2.5	PASS
GSM850	128	NV	40	-11.56	-0.014026	±2.5	PASS
GSM850	128	NV	50	-5.88	-0.007134	±2.5	PASS
GPRS850	128	NV	-30	-4.78	-0.005800	±2.5	PASS
GPRS850	128	NV	-20	-5.52	-0.006697	±2.5	PASS
GPRS850	128	NV	-10	-8.62	-0.010459	±2.5	PASS
GPRS850	128	NV	0	-5.36	-0.006503	±2.5	PASS
GPRS850	128	NV	10	-6.94	-0.008420	±2.5	PASS
GPRS850	128	NV	20	0.00	0.000000	±2.5	PASS
GPRS850	128	NV	30	-6.23	-0.007559	±2.5	PASS
GPRS850	128	NV	40	-10.49	-0.012727	±2.5	PASS
GPRS850	128	NV	50	-8.81	-0.010689	±2.5	PASS
EGPRS850	128	NV	-30	-4.94	-0.005994	±2.5	PASS
EGPRS850	128	NV	-20	-3.68	-0.004465	±2.5	PASS
EGPRS850	128	NV	-10	-6.10	-0.007401	±2.5	PASS
EGPRS850	128	NV	0	-3.42	-0.004149	±2.5	PASS
EGPRS850	128	NV	10	0.36	0.000437	±2.5	PASS
EGPRS850	128	NV	20	-0.48	-0.000582	±2.5	PASS
EGPRS850	128	NV	30	1.65	0.002002	±2.5	PASS
EGPRS850	128	NV	40	4.62	0.005605	±2.5	PASS
EGPRS850	128	NV	50	3.45	0.004186	±2.5	PASS
GSM850	190	NV	-30	-4.94	-0.005905	±2.5	PASS
GSM850	190	NV	-20	-4.29	-0.005128	±2.5	PASS
GSM850	190	NV	-10	-4.33	-0.005176	±2.5	PASS
GSM850	190	NV	0	-1.61	-0.001924	±2.5	PASS
GSM850	190	NV	10	-4.55	-0.005439	±2.5	PASS
GSM850	190	NV	20	-1.55	-0.001853	±2.5	PASS
GSM850	190	NV	30	-3.20	-0.003825	±2.5	PASS
GSM850	190	NV	40	-4.33	-0.005176	±2.5	PASS
GSM850	190	NV	50	-1.07	-0.001279	±2.5	PASS
GPRS850	190	NV	-30	-6.59	-0.007877	±2.5	PASS
GPRS850	190	NV	-20	-6.07	-0.007256	±2.5	PASS
GPRS850	190	NV	-10	-4.75	-0.005678	±2.5	PASS
GPRS850	190	NV	0	-5.71	-0.006825	±2.5	PASS
GPRS850	190	NV	10	-6.72	-0.008033	±2.5	PASS
GPRS850	190	NV	20	-4.20	-0.005020	±2.5	PASS
GPRS850	190	NV	30	-4.84	-0.005785	±2.5	PASS
GPRS850	190	NV	40	-9.59	-0.011463	±2.5	PASS

GPRS850	190	NV	50	-6.68	-0.007985	±2.5	PASS
EGPRS850	190	NV	-30	-1.65	-0.001972	±2.5	PASS
EGPRS850	190	NV	-20	-3.91	-0.004674	±2.5	PASS
EGPRS850	190	NV	-10	-3.39	-0.004052	±2.5	PASS
EGPRS850	190	NV	0	-1.58	-0.001889	±2.5	PASS
EGPRS850	190	NV	10	-3.84	-0.004590	±2.5	PASS
EGPRS850	190	NV	20	-2.58	-0.003084	±2.5	PASS
EGPRS850	190	NV	30	-2.20	-0.002630	±2.5	PASS
EGPRS850	190	NV	40	3.13	0.003741	±2.5	PASS
EGPRS850	190	NV	50	2.29	0.002737	±2.5	PASS
GSM850	251	NV	-30	-2.84	-0.003346	±2.5	PASS
GSM850	251	NV	-20	-2.52	-0.002969	±2.5	PASS
GSM850	251	NV	-10	-4.29	-0.005054	±2.5	PASS
GSM850	251	NV	0	-3.33	-0.003923	±2.5	PASS
GSM850	251	NV	10	-2.65	-0.003122	±2.5	PASS
GSM850	251	NV	20	-3.52	-0.004147	±2.5	PASS
GSM850	251	NV	30	-1.49	-0.001755	±2.5	PASS
GSM850	251	NV	40	-3.39	-0.003994	±2.5	PASS
GSM850	251	NV	50	-3.87	-0.004559	±2.5	PASS
GPRS850	251	NV	-30	-2.49	-0.002934	±2.5	PASS
GPRS850	251	NV	-20	-5.04	-0.005938	±2.5	PASS
GPRS850	251	NV	-10	-7.04	-0.008294	±2.5	PASS
GPRS850	251	NV	0	-5.88	-0.006927	±2.5	PASS
GPRS850	251	NV	10	-3.84	-0.004524	±2.5	PASS
GPRS850	251	NV	20	-10.30	-0.012135	±2.5	PASS
GPRS850	251	NV	30	-4.62	-0.005443	±2.5	PASS
GPRS850	251	NV	40	-6.88	-0.008106	±2.5	PASS
GPRS850	251	NV	50	-7.04	-0.008294	±2.5	PASS
EGPRS850	251	NV	-30	-2.03	-0.002392	±2.5	PASS
EGPRS850	251	NV	-20	1.42	0.001673	±2.5	PASS
EGPRS850	251	NV	-10	1.97	0.002321	±2.5	PASS
EGPRS850	251	NV	0	-1.65	-0.001944	±2.5	PASS
EGPRS850	251	NV	10	-2.55	-0.003004	±2.5	PASS
EGPRS850	251	NV	20	0.00	0.000000	±2.5	PASS
EGPRS850	251	NV	30	0.26	0.000306	±2.5	PASS
EGPRS850	251	NV	40	-0.71	-0.000836	±2.5	PASS
EGPRS850	251	NV	50	-1.13	-0.001331	±2.5	PASS

Appendix G: Modulation Characteristics

Test Result

Band	Channel	Result	Verdict
GSM850	128	PASS	PASS
GPRS850	128	PASS	PASS
EGPRS850	128	PASS	PASS
GSM850	190	PASS	PASS
GPRS850	190	PASS	PASS
EGPRS850	190	PASS	PASS
GSM850	251	PASS	PASS
GPRS850	251	PASS	PASS
EGPRS850	251	PASS	PASS

Test Graphs

