

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Channel	Power (dBm)	Gain(dBi)	E(I)RP (dBm)	Limit(dBm)	Verdict
GSM850	128	32.93	2.13	32.91	38.45	PASS
GSM850	190	32.80	2.13	32.78	38.45	PASS
GSM850	251	33.00	2.13	32.98	38.45	PASS

Band	Channel	Up Slot Num	Power(dBm)	Gain(dBi)	E(I)RP (dBm)	Limit(dBm)	Verdict
GPRS850	128	1	32.95	2.13	32.93	38.45	PASS
GPRS850	190	1	32.79	2.13	32.77	38.45	PASS
GPRS850	251	1	32.91	2.13	32.89	38.45	PASS
GPRS850	128	2	32.41	2.13	32.39	38.45	PASS
GPRS850	190	2	31.88	2.13	31.86	38.45	PASS
GPRS850	251	2	32.04	2.13	32.02	38.45	PASS
GPRS850	128	3	30.26	2.13	30.24	38.45	PASS
GPRS850	190	3	30.00	2.13	29.98	38.45	PASS
GPRS850	251	3	30.00	2.13	29.98	38.45	PASS
GPRS850	128	4	29.06	2.13	29.04	38.45	PASS
GPRS850	190	4	28.79	2.13	28.77	38.45	PASS
GPRS850	251	4	28.79	2.13	28.77	38.45	PASS

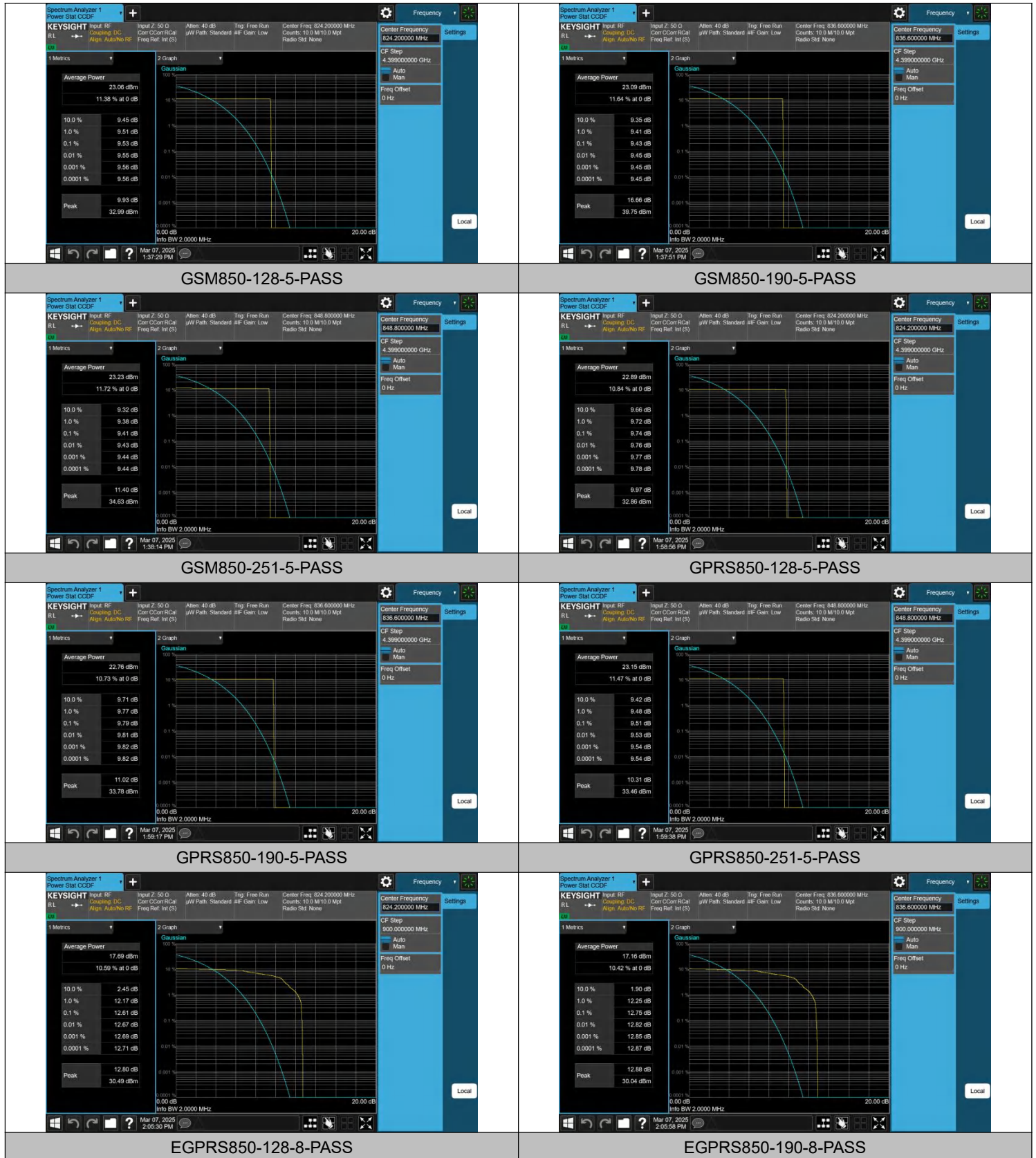
Band	Channel	Up Slot Num	Power(dBm)	Gain(dBi)	E(I)RP (dBm)	Limit(dBm)	Verdict
EGPRS850	128	1	27.59	2.13	27.57	38.45	PASS
EGPRS850	190	1	27.02	2.13	27	38.45	PASS
EGPRS850	251	1	26.97	2.13	26.95	38.45	PASS
EGPRS850	128	2	26.68	2.13	26.66	38.45	PASS
EGPRS850	190	2	26.14	2.13	26.12	38.45	PASS
EGPRS850	251	2	26.07	2.13	26.05	38.45	PASS
EGPRS850	128	3	24.51	2.13	24.49	38.45	PASS
EGPRS850	190	3	23.96	2.13	23.94	38.45	PASS
EGPRS850	251	3	23.92	2.13	23.9	38.45	PASS
EGPRS850	128	4	23.28	2.13	23.26	38.45	PASS
EGPRS850	190	4	22.79	2.13	22.77	38.45	PASS
EGPRS850	251	4	22.70	2.13	22.68	38.45	PASS

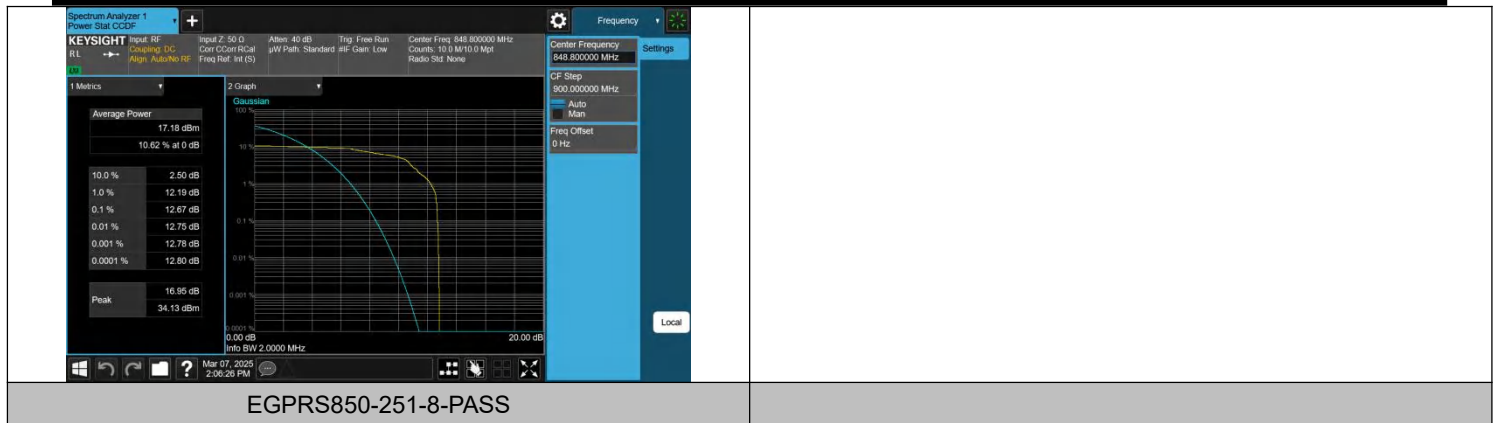
Peak-to-Average Ratio(CCDF)

Test Result

Band	Channel	Result(dB)	Limit(dB)	Verdict
GSM850	128	9.53	13	PASS
GSM850	190	9.43	13	PASS
GSM850	251	9.41	13	PASS
GPRS850	128	9.74	13	PASS
GPRS850	190	9.79	13	PASS
GPRS850	251	9.51	13	PASS
EGPRS850	128	12.61	13	PASS
EGPRS850	190	12.75	13	PASS
EGPRS850	251	12.67	13	PASS

Test Graphs



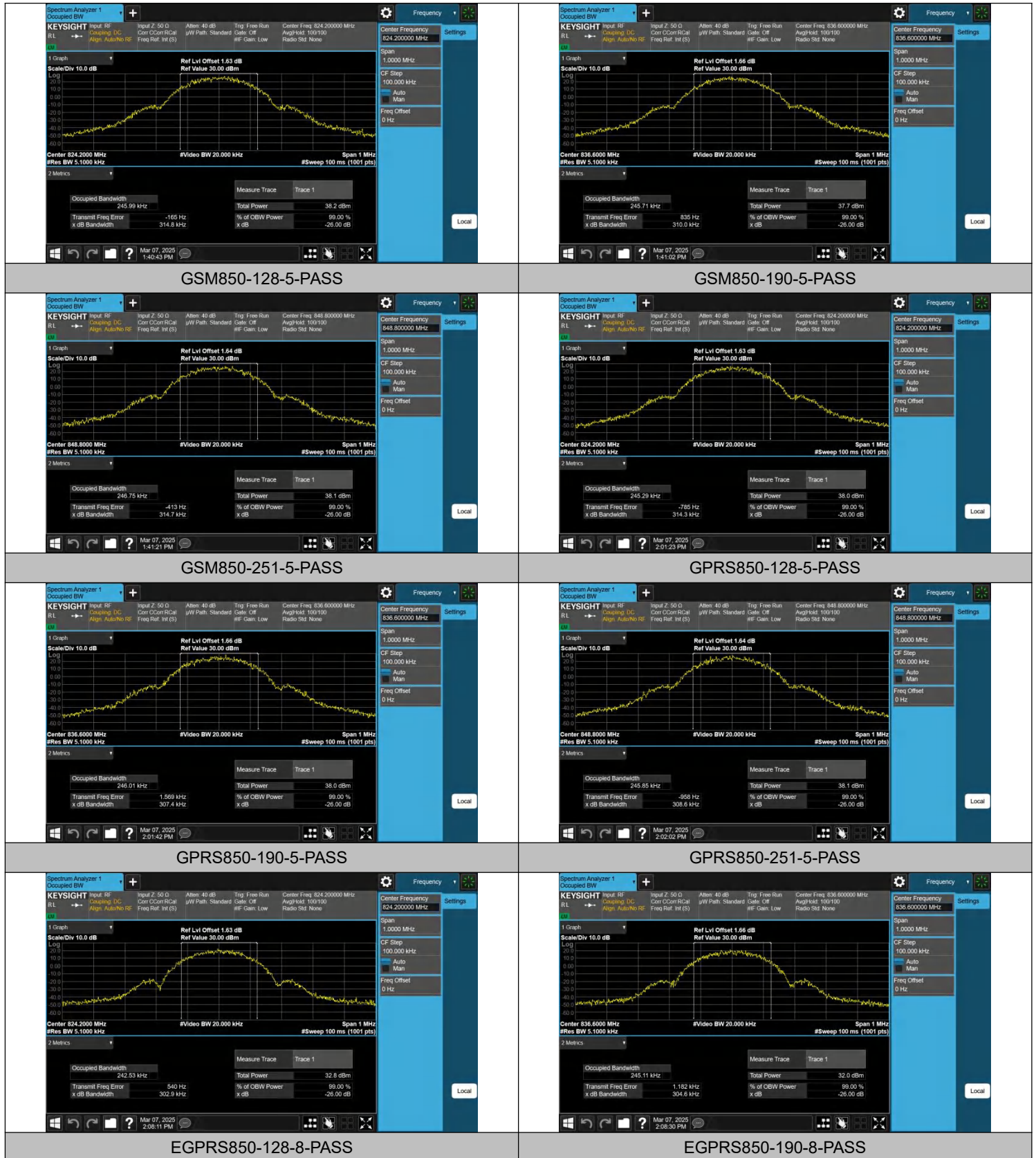


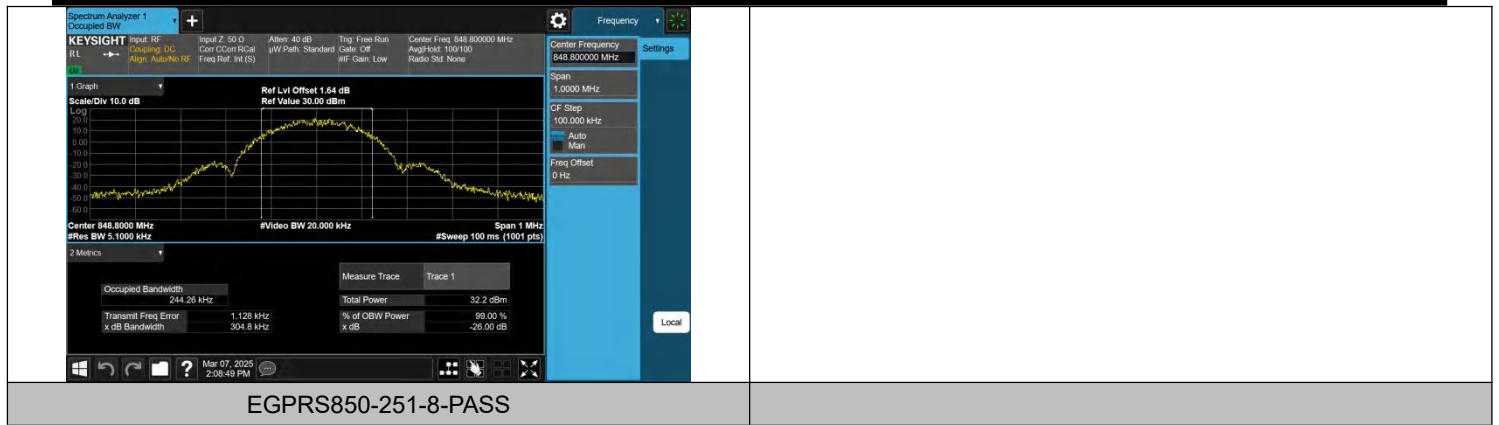
26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
GSM850	128	0.24599	0.3148	PASS
GSM850	190	0.24571	0.3100	PASS
GSM850	251	0.24675	0.3147	PASS
GPRS850	128	0.24529	0.3143	PASS
GPRS850	190	0.24601	0.3074	PASS
GPRS850	251	0.24585	0.3086	PASS
EGPRS850	128	0.24253	0.3029	PASS
EGPRS850	190	0.24511	0.3046	PASS
EGPRS850	251	0.24426	0.3048	PASS

Test Graphs





Band Edge

Test Graphs



GSM850-128-5-PASS



GSM850-251-5-PASS



GPRS850-128-5-PASS



GPRS850-251-5-PASS



EGPRS850-128-8-PASS

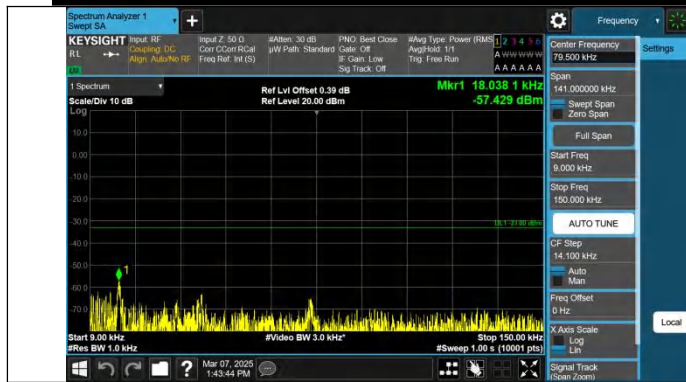


EGPRS850-251-8-PASS

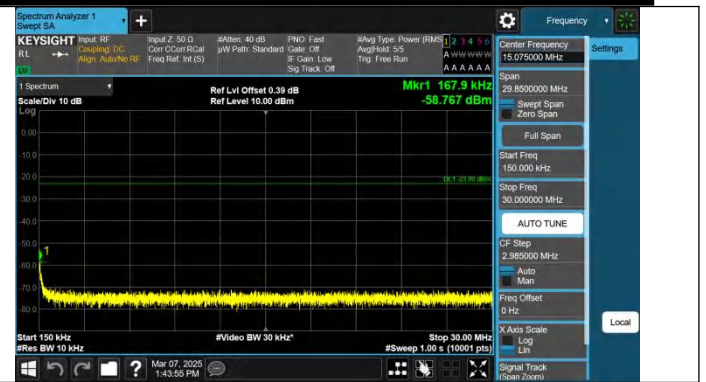
Conducted Spurious Emission

Test Graphs

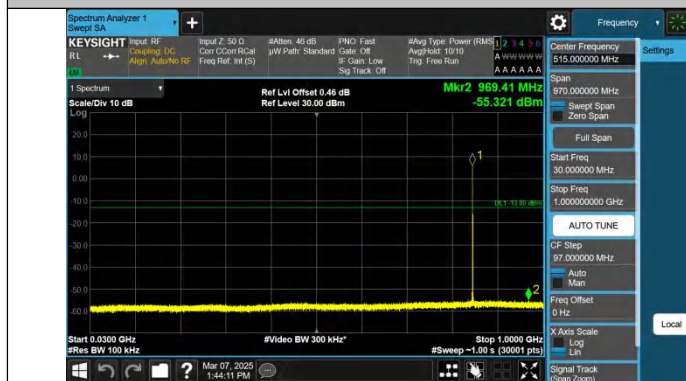




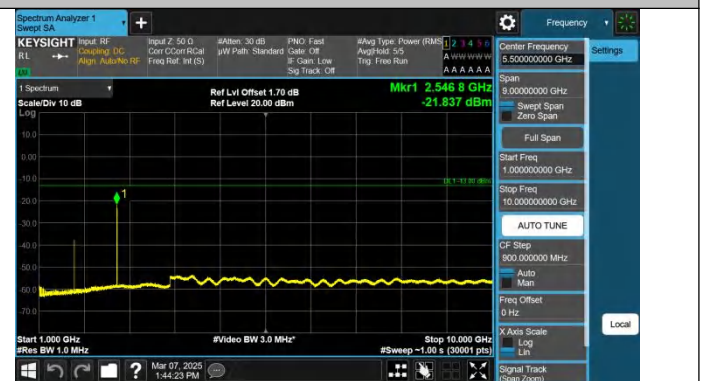
GSM850-251-5-0.009~0.15MHz-PASS



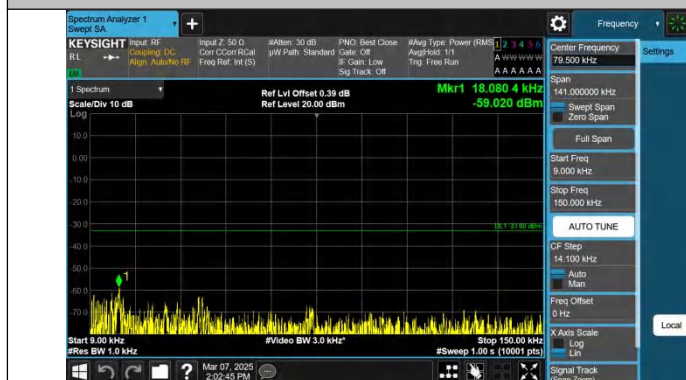
GSM850-251-5-0.15~30MHz-PASS



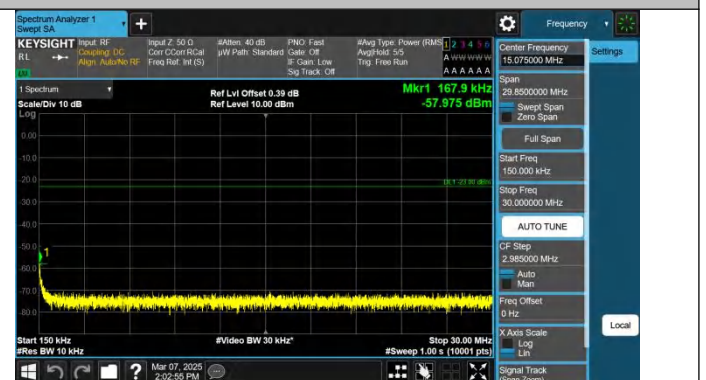
GSM850-251-5-30~1000MHz-PASS



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



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



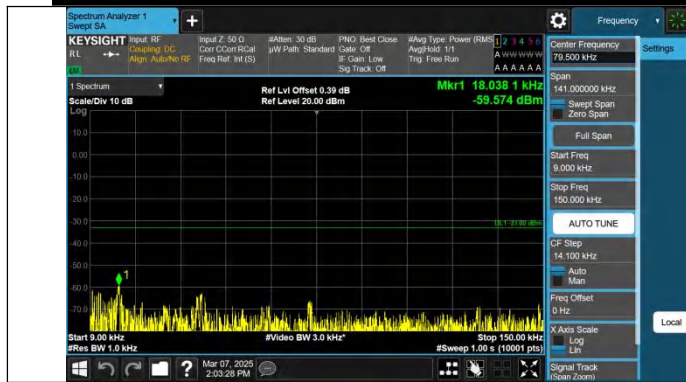
GPRS850-128-5-0.15~30MHz-PASS



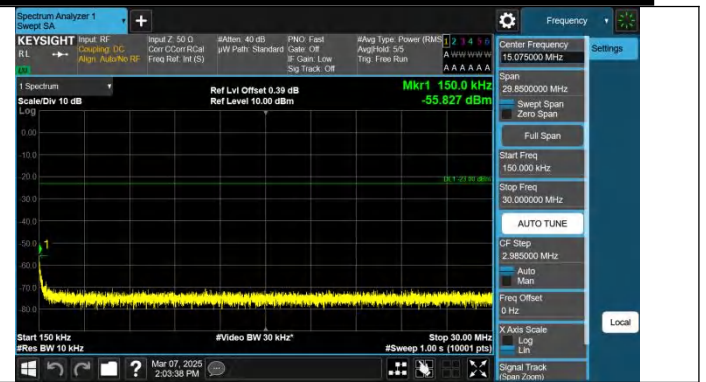
GPRS850-128-5-30~1000MHz-PASS



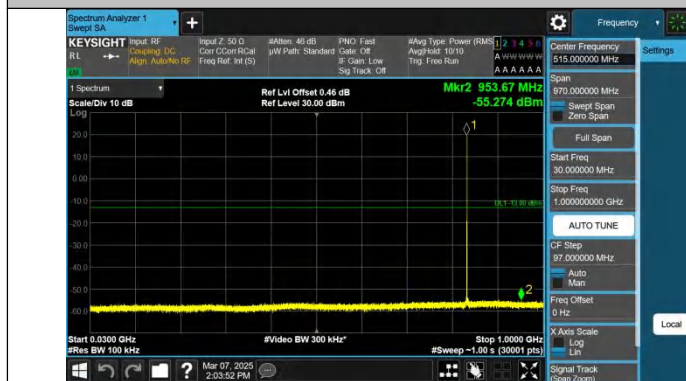
GPRS850-128-5-1000~10000MHz-PASS



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



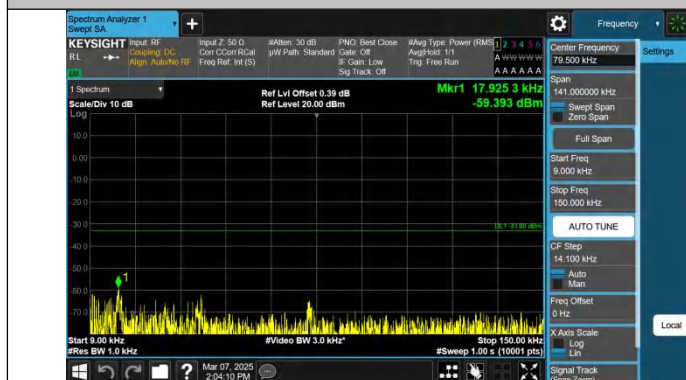
GPRS850-190-5-0.15~30MHz-PASS



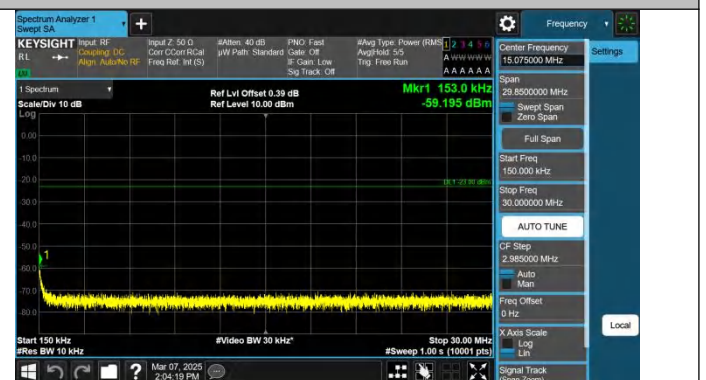
GPRS850-190-5-30~1000MHz-PASS



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



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



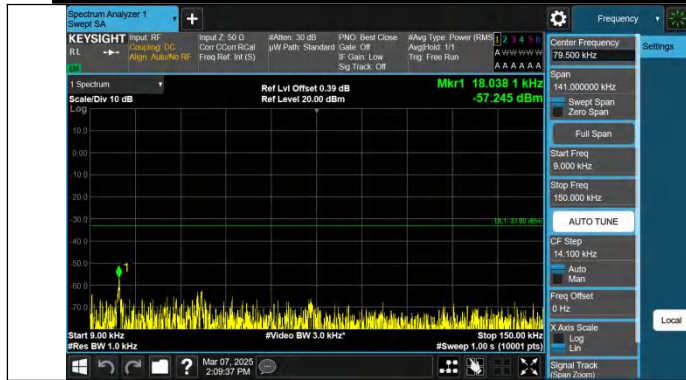
GPRS850-251-5-0.15~30MHz-PASS



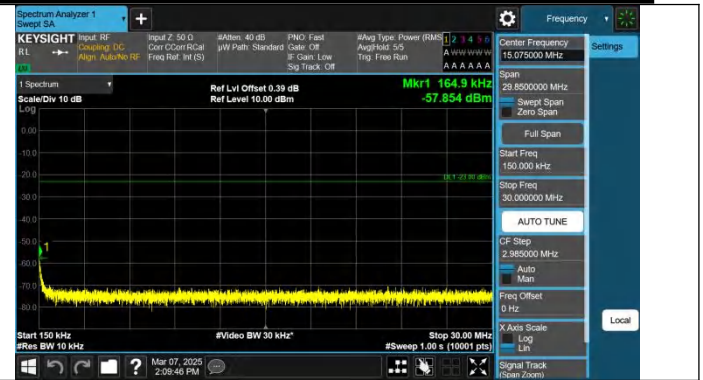
GPRS850-251-5-30~1000MHz-PASS



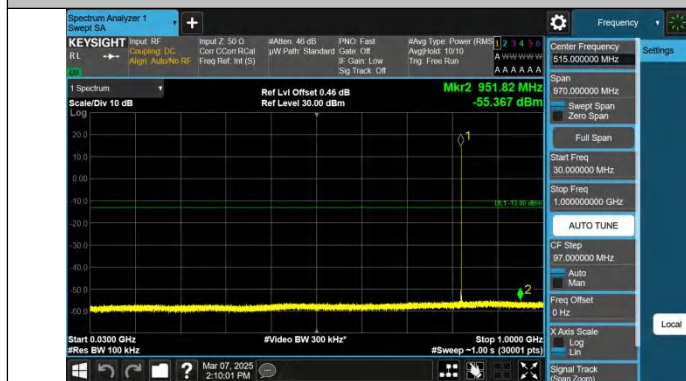
GPRS850-251-5-1000~10000MHz-PASS



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



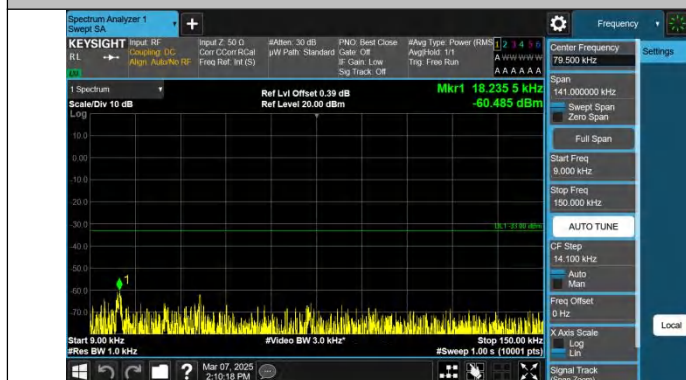
EGPRS850-128-8-0.15~30MHz-PASS



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



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



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



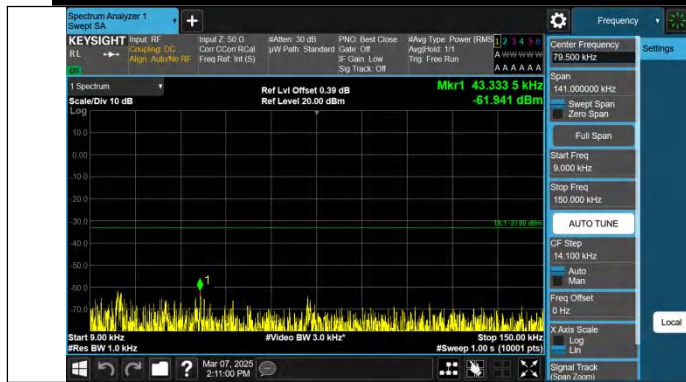
EGPRS850-190-8-0.15~30MHz-PASS



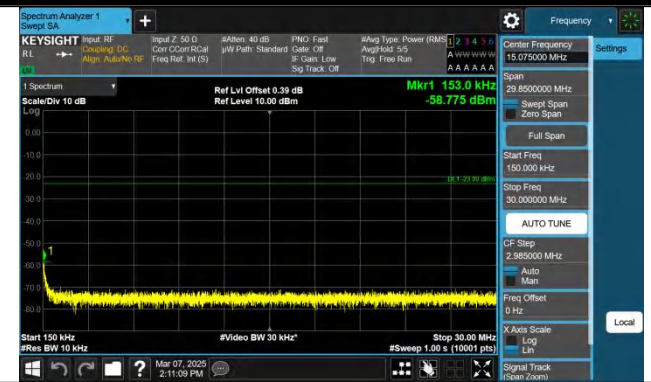
EGPRS850-190-8-30~1000MHz-PASS



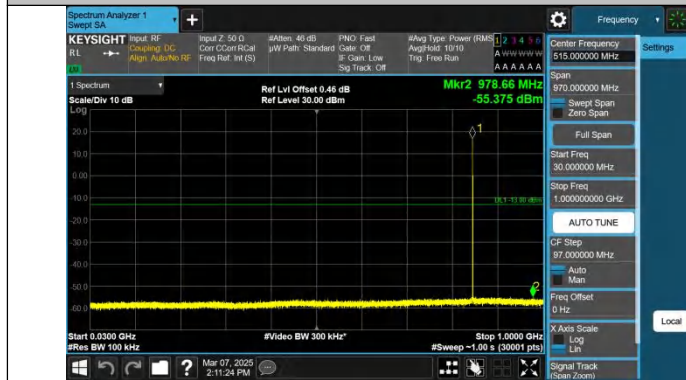
EGPRS850-190-8-1000~10000MHz-PASS



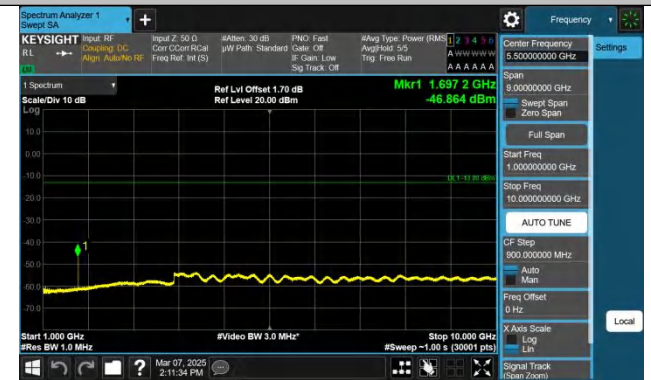
EGPRS850-251-8-0.009~0.15MHz-PASS



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



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



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

Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	VN	NT	22.56	0.027372	±2.5	PASS
GSM850	128	VL	NT	23.19	0.028136	±2.5	PASS
GSM850	128	VH	NT	23.26	0.028221	±2.5	PASS
GSM850	190	VN	NT	16.62	0.019866	±2.5	PASS
GSM850	190	VL	NT	24.08	0.028783	±2.5	PASS
GSM850	190	VH	NT	29.17	0.034867	±2.5	PASS
GSM850	251	VN	NT	25.02	0.029477	±2.5	PASS
GSM850	251	VL	NT	23.24	0.027380	±2.5	PASS
GSM850	251	VH	NT	25.19	0.029677	±2.5	PASS
GPRS850	128	VN	NT	26.35	0.031970	±2.5	PASS
GPRS850	128	VL	NT	26.08	0.031643	±2.5	PASS
GPRS850	128	VH	NT	27.73	0.033645	±2.5	PASS
GPRS850	190	VN	NT	28.17	0.033672	±2.5	PASS
GPRS850	190	VL	NT	26.64	0.031843	±2.5	PASS
GPRS850	190	VH	NT	27.94	0.033397	±2.5	PASS
GPRS850	251	VN	NT	26.35	0.031044	±2.5	PASS
GPRS850	251	VL	NT	29.75	0.035049	±2.5	PASS
GPRS850	251	VH	NT	27.26	0.032116	±2.5	PASS
EGPRS850	128	VN	NT	19.97	0.024230	±2.5	PASS
EGPRS850	128	VL	NT	19.61	0.023793	±2.5	PASS
EGPRS850	128	VH	NT	19.31	0.023429	±2.5	PASS
EGPRS850	190	VN	NT	21.77	0.026022	±2.5	PASS
EGPRS850	190	VL	NT	21.77	0.026022	±2.5	PASS
EGPRS850	190	VH	NT	20.00	0.023906	±2.5	PASS
EGPRS850	251	VN	NT	19.81	0.023339	±2.5	PASS
EGPRS850	251	VL	NT	18.96	0.022337	±2.5	PASS
EGPRS850	251	VH	NT	19.35	0.022797	±2.5	PASS

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	NV	-30	23.20	0.028149	±2.5	PASS
GSM850	128	NV	-20	23.16	0.028100	±2.5	PASS
GSM850	128	NV	-10	21.70	0.026329	±2.5	PASS
GSM850	128	NV	0	21.66	0.026280	±2.5	PASS
GSM850	128	NV	10	20.74	0.025164	±2.5	PASS

GSM850	128	NV	20	25.98	0.031521	±2.5	PASS
GSM850	128	NV	30	22.17	0.026899	±2.5	PASS
GSM850	128	NV	40	17.11	0.020760	±2.5	PASS
GSM850	128	NV	50	18.42	0.022349	±2.5	PASS
GSM850	190	NV	-30	24.71	0.029536	±2.5	PASS
GSM850	190	NV	-20	20.30	0.024265	±2.5	PASS
GSM850	190	NV	-10	24.81	0.029656	±2.5	PASS
GSM850	190	NV	0	23.24	0.027779	±2.5	PASS
GSM850	190	NV	10	23.25	0.027791	±2.5	PASS
GSM850	190	NV	20	25.63	0.030636	±2.5	PASS
GSM850	190	NV	30	22.22	0.026560	±2.5	PASS
GSM850	190	NV	40	24.39	0.029154	±2.5	PASS
GSM850	190	NV	50	23.53	0.028126	±2.5	PASS
GSM850	251	NV	-30	21.03	0.024776	±2.5	PASS
GSM850	251	NV	-20	16.20	0.019086	±2.5	PASS
GSM850	251	NV	-10	16.46	0.019392	±2.5	PASS
GSM850	251	NV	0	15.19	0.017896	±2.5	PASS
GSM850	251	NV	10	15.27	0.017990	±2.5	PASS
GSM850	251	NV	20	19.62	0.023115	±2.5	PASS
GSM850	251	NV	30	16.17	0.019050	±2.5	PASS
GSM850	251	NV	40	18.65	0.021972	±2.5	PASS
GSM850	251	NV	50	16.54	0.019486	±2.5	PASS
GPRS850	128	NV	-30	26.89	0.032626	±2.5	PASS
GPRS850	128	NV	-20	26.32	0.031934	±2.5	PASS
GPRS850	128	NV	-10	26.73	0.032431	±2.5	PASS
GPRS850	128	NV	0	25.66	0.031133	±2.5	PASS
GPRS850	128	NV	10	26.07	0.031631	±2.5	PASS
GPRS850	128	NV	20	27.35	0.033184	±2.5	PASS
GPRS850	128	NV	30	27.78	0.033705	±2.5	PASS
GPRS850	128	NV	40	26.27	0.031873	±2.5	PASS
GPRS850	128	NV	50	27.81	0.033742	±2.5	PASS
GPRS850	190	NV	-30	29.55	0.035322	±2.5	PASS
GPRS850	190	NV	-20	28.71	0.034317	±2.5	PASS
GPRS850	190	NV	-10	28.61	0.034198	±2.5	PASS
GPRS850	190	NV	0	26.90	0.032154	±2.5	PASS
GPRS850	190	NV	10	29.06	0.034736	±2.5	PASS
GPRS850	190	NV	20	26.30	0.031437	±2.5	PASS
GPRS850	190	NV	30	27.33	0.032668	±2.5	PASS
GPRS850	190	NV	40	27.01	0.032285	±2.5	PASS
GPRS850	190	NV	50	27.29	0.032620	±2.5	PASS
GPRS850	251	NV	-30	27.40	0.032281	±2.5	PASS

GPRS850	251	NV	-20	28.22	0.033247	±2.5	PASS
GPRS850	251	NV	-10	24.96	0.029406	±2.5	PASS
GPRS850	251	NV	0	26.47	0.031185	±2.5	PASS
GPRS850	251	NV	10	27.60	0.032516	±2.5	PASS
GPRS850	251	NV	20	27.76	0.032705	±2.5	PASS
GPRS850	251	NV	30	28.19	0.033212	±2.5	PASS
GPRS850	251	NV	40	26.16	0.030820	±2.5	PASS
GPRS850	251	NV	50	26.71	0.031468	±2.5	PASS
EGPRS850	128	NV	-30	20.14	0.024436	±2.5	PASS
EGPRS850	128	NV	-20	20.26	0.024581	±2.5	PASS
EGPRS850	128	NV	-10	19.56	0.023732	±2.5	PASS
EGPRS850	128	NV	0	20.79	0.025224	±2.5	PASS
EGPRS850	128	NV	10	21.23	0.025758	±2.5	PASS
EGPRS850	128	NV	20	22.06	0.026765	±2.5	PASS
EGPRS850	128	NV	30	22.53	0.027336	±2.5	PASS
EGPRS850	128	NV	40	20.48	0.024848	±2.5	PASS
EGPRS850	128	NV	50	20.93	0.025394	±2.5	PASS
EGPRS850	190	NV	-30	20.24	0.024193	±2.5	PASS
EGPRS850	190	NV	-20	17.69	0.021145	±2.5	PASS
EGPRS850	190	NV	-10	18.69	0.022340	±2.5	PASS
EGPRS850	190	NV	0	19.16	0.022902	±2.5	PASS
EGPRS850	190	NV	10	19.40	0.023189	±2.5	PASS
EGPRS850	190	NV	20	19.47	0.023273	±2.5	PASS
EGPRS850	190	NV	30	19.83	0.023703	±2.5	PASS
EGPRS850	190	NV	40	21.62	0.025843	±2.5	PASS
EGPRS850	190	NV	50	20.44	0.024432	±2.5	PASS
EGPRS850	251	NV	-30	18.57	0.021878	±2.5	PASS
EGPRS850	251	NV	-20	17.91	0.021100	±2.5	PASS
EGPRS850	251	NV	-10	18.88	0.022243	±2.5	PASS
EGPRS850	251	NV	0	19.74	0.023256	±2.5	PASS
EGPRS850	251	NV	10	19.42	0.022879	±2.5	PASS
EGPRS850	251	NV	20	19.21	0.022632	±2.5	PASS
EGPRS850	251	NV	30	19.84	0.023374	±2.5	PASS
EGPRS850	251	NV	40	20.05	0.023622	±2.5	PASS
EGPRS850	251	NV	50	18.60	0.021913	±2.5	PASS

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