

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Channel	Up Slot Num	Power(dBm)	Gain(dBi)	ERP/EIRP (dBm)	Limit(dBm)	Verdict
GPRS850	128	1	32.98	2.13	32.96	38.45	PASS
GPRS850	190	1	33	2.13	32.98	38.45	PASS
GPRS850	251	1	33.14	2.13	33.12	38.45	PASS
GPRS850	128	2	32.1	2.13	32.08	38.45	PASS
GPRS850	190	2	32.13	2.13	32.11	38.45	PASS
GPRS850	251	2	32.25	2.13	32.23	38.45	PASS
GPRS850	128	3	29.58	2.13	29.56	38.45	PASS
GPRS850	190	3	29.67	2.13	29.65	38.45	PASS
GPRS850	251	3	29.76	2.13	29.74	38.45	PASS
GPRS850	128	4	28.39	2.13	28.37	38.45	PASS
GPRS850	190	4	28.47	2.13	28.45	38.45	PASS
GPRS850	251	4	28.53	2.13	28.51	38.45	PASS

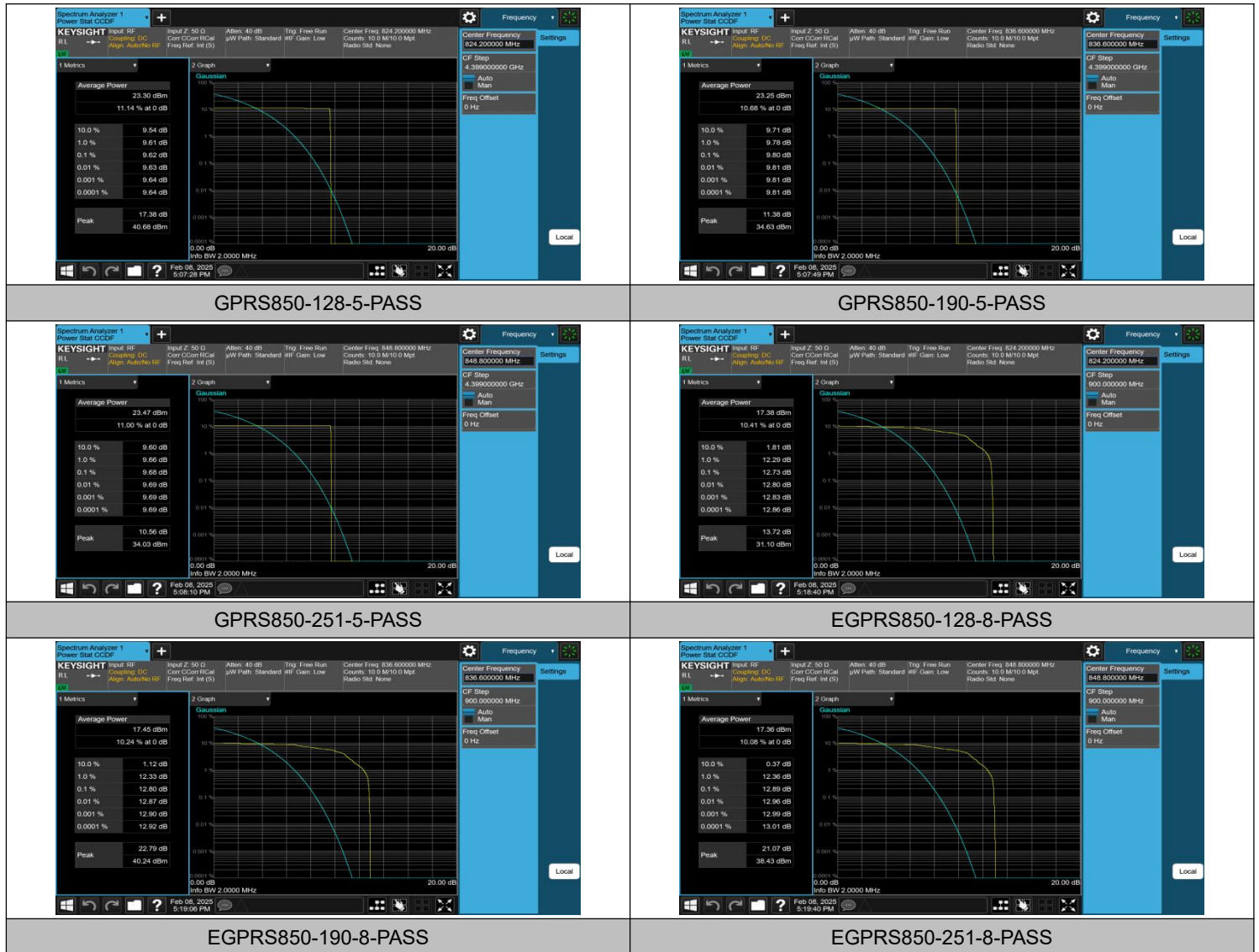
Band	Channel	Up Slot Num	Power(dBm)	Gain(dBi)	ERP/EIRP (dBm)	Limit(dBm)	Verdict
EGPRS850	128	1	27.18	2.13	27.16	38.45	PASS
EGPRS850	190	1	27.16	2.13	27.14	38.45	PASS
EGPRS850	251	1	27.15	2.13	27.13	38.45	PASS
EGPRS850	128	2	26.23	2.13	26.21	38.45	PASS
EGPRS850	190	2	26.33	2.13	26.31	38.45	PASS
EGPRS850	251	2	26.3	2.13	26.28	38.45	PASS
EGPRS850	128	3	23.93	2.13	23.91	38.45	PASS
EGPRS850	190	3	24.02	2.13	24	38.45	PASS
EGPRS850	251	3	23.98	2.13	23.96	38.45	PASS
EGPRS850	128	4	22.7	2.13	22.68	38.45	PASS
EGPRS850	190	4	22.76	2.13	22.74	38.45	PASS
EGPRS850	251	4	22.77	2.13	22.75	38.45	PASS

Peak-to-Average Ratio(CCDF)

Test Result

Band	Channel	Result(dB)	Limit(dB)	Verdict
GPRS850	128	9.62	13	PASS
GPRS850	190	9.80	13	PASS
GPRS850	251	9.68	13	PASS
EGPRS850	128	12.73	13	PASS
EGPRS850	190	12.80	13	PASS
EGPRS850	251	12.89	13	PASS

Test Graphs



26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
GPRS850	128	0.24442	0.3189	PASS
GPRS850	190	0.24377	0.3049	PASS
GPRS850	251	0.24753	0.3163	PASS
EGPRS850	128	0.24339	0.3098	PASS
EGPRS850	190	0.24250	0.3009	PASS
EGPRS850	251	0.24457	0.3020	PASS

Test Graphs



GPRS850-128-5-PASS



GPRS850-190-5-PASS



GPRS850-251-5-PASS



EGPRS850-128-8-PASS



EGPRS850-190-8-PASS



EGPRS850-251-8-PASS

Band Edge

Test Graphs



GPRS850-128-5-PASS



GPRS850-251-5-PASS



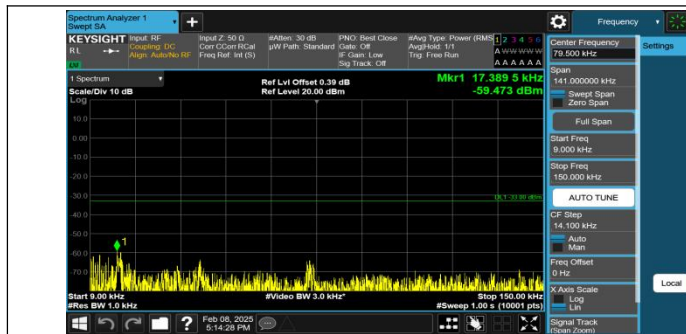
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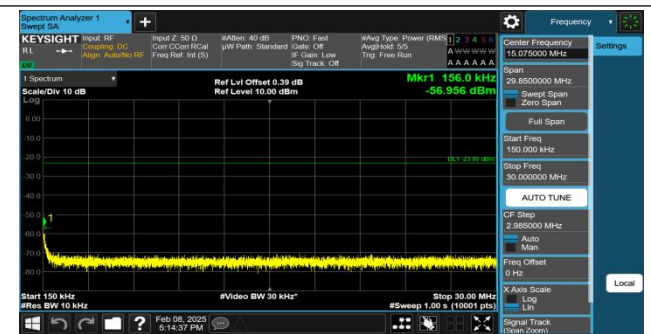
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Conducted Spurious Emission

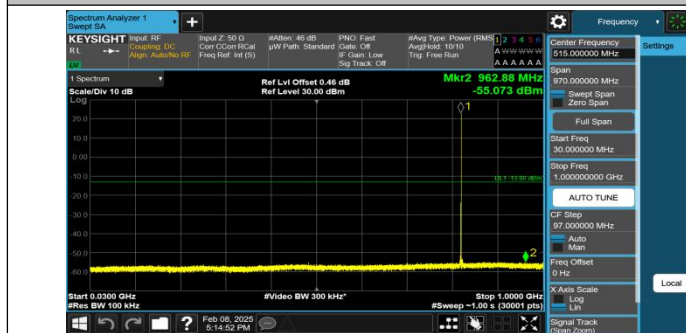
Test Graphs



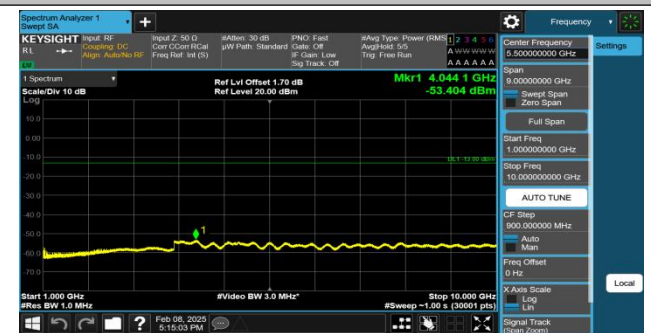
GPRS850-128-5-0.009~0.15MHz-PASS



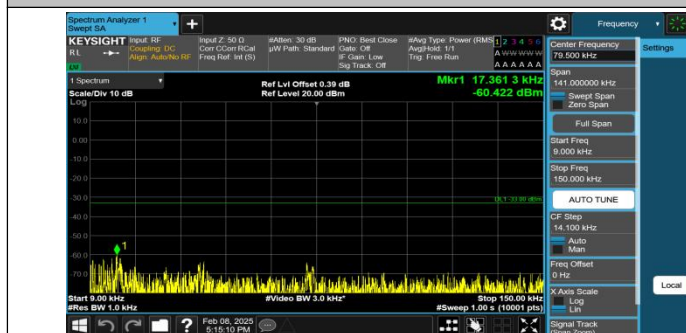
GPRS850-128-5-0.15~30MHz-PASS



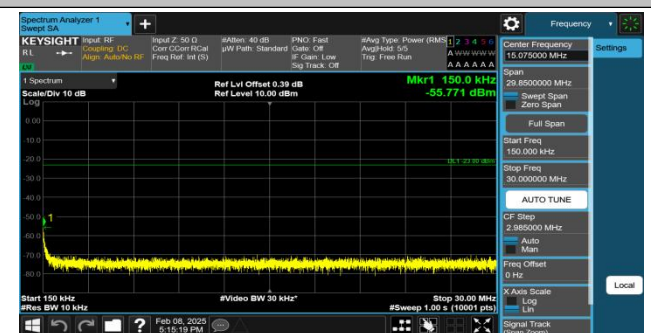
GPRS850-128-5-30~1000MHz-PASS



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



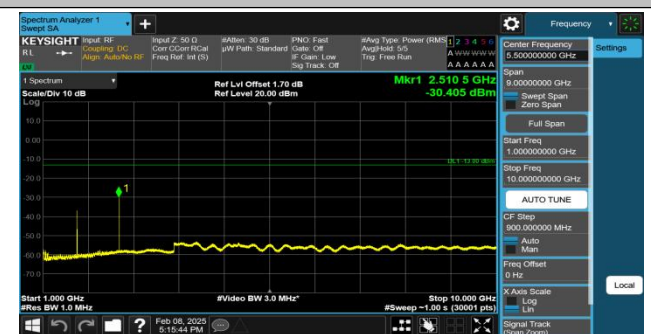
GPRS850-190-5-0.009~0.15MHz-PASS



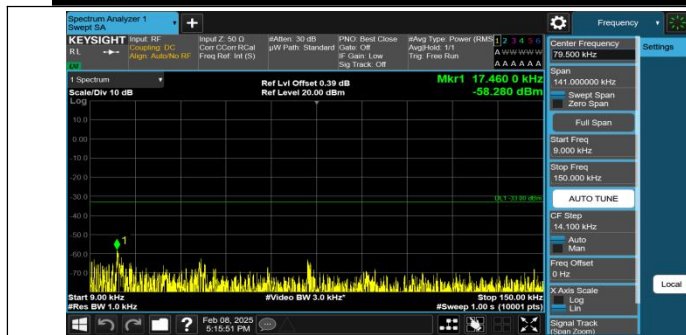
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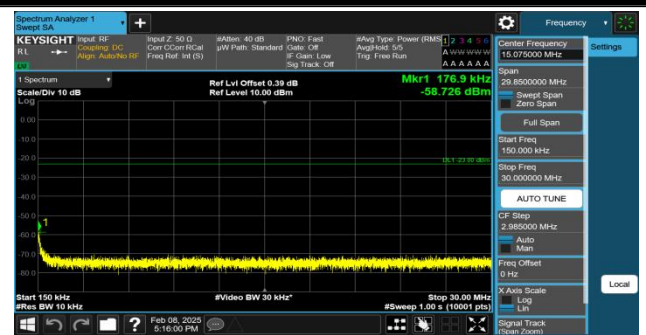
GPRS850-190-5-30~1000MHz-PASS



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



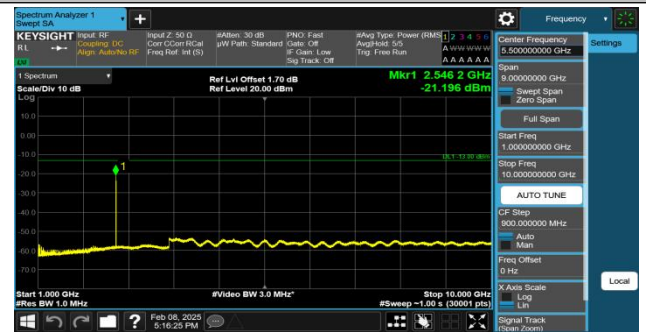
GPRS850-251-5-0.009~0.15MHz-PASS



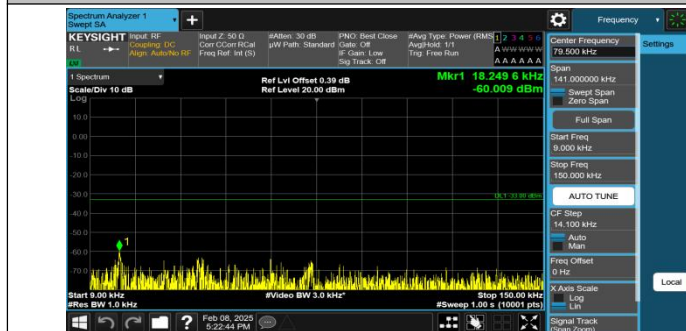
GPRS850-251-5-0.15~30MHz-PASS



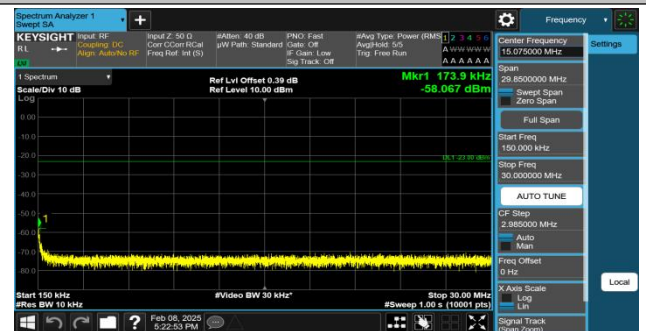
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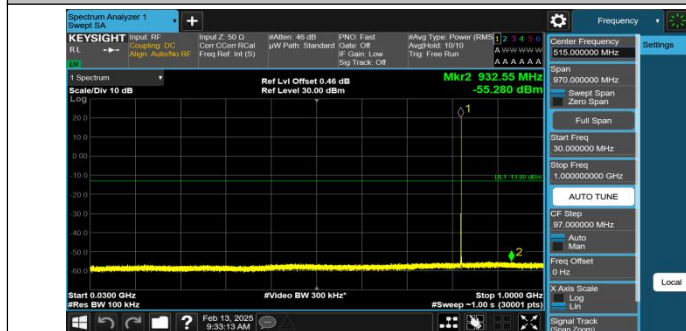
GPRS850-251-5-1000~10000MHz-PASS



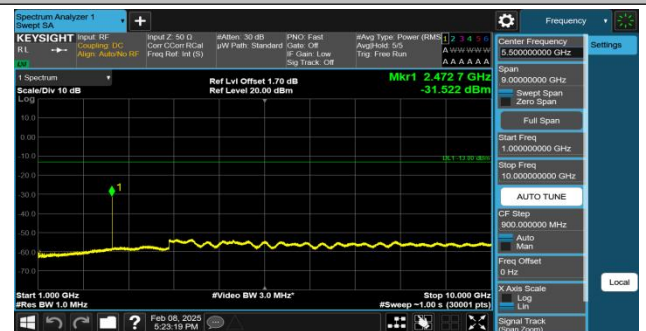
EGPRS850-128-8-0.009~0.15MHz-PASS



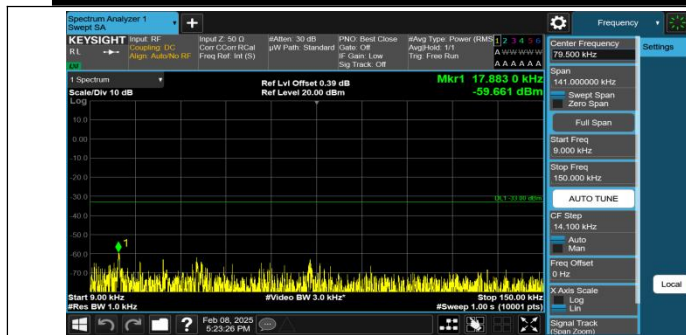
EGPRS850-128-8-0.15~30MHz-PASS



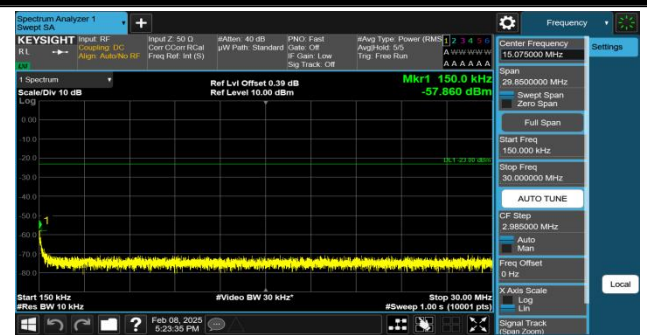
EGPRS850-128-8-30~1000MHz-PASS



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



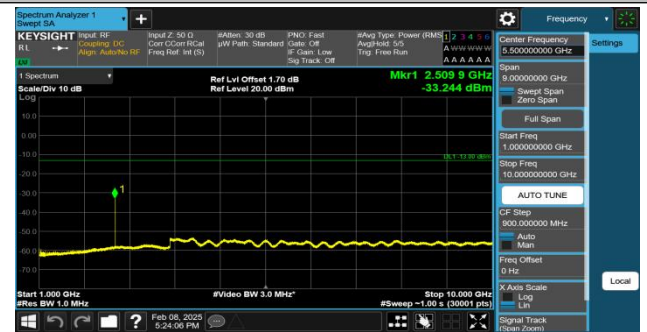
EGPRS850-190-8-0.009~0.15MHz-PASS



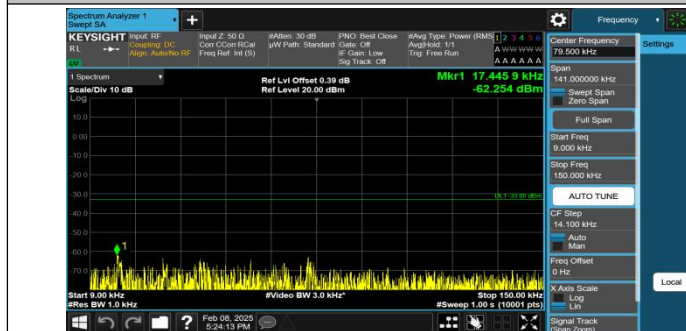
EGPRS850-190-8-0.15~30MHz-PASS



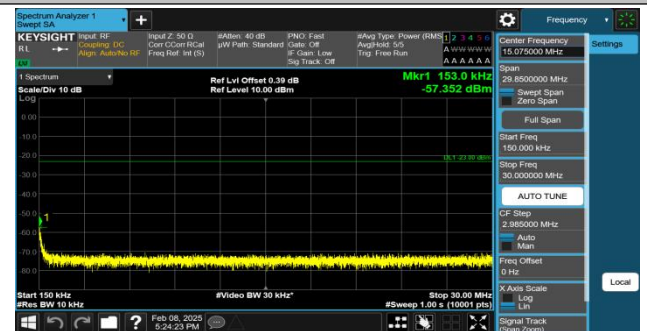
EGPRS850-190-8-30~1000MHz-PASS



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



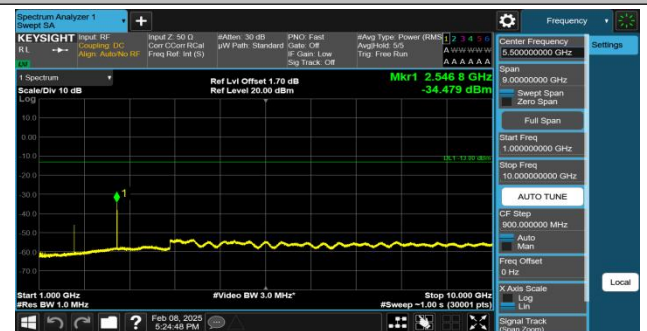
EGPRS850-251-8-0.009~0.15MHz-PASS



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
GPRS850	128	VN	NT	27.71	0.033620	±2.5	PASS
GPRS850	128	VL	NT	27.96	0.033924	±2.5	PASS
GPRS850	128	VH	NT	25.37	0.030781	±2.5	PASS
GPRS850	190	VN	NT	23.86	0.028520	±2.5	PASS
GPRS850	190	VL	NT	24.55	0.029345	±2.5	PASS
GPRS850	190	VH	NT	24.88	0.029739	±2.5	PASS
GPRS850	251	VN	NT	24.90	0.029336	±2.5	PASS
GPRS850	251	VL	NT	27.55	0.032458	±2.5	PASS
GPRS850	251	VH	NT	25.72	0.030302	±2.5	PASS
EGPRS850	128	VN	NT	22.32	0.027081	±2.5	PASS
EGPRS850	128	VL	NT	22.60	0.027421	±2.5	PASS
EGPRS850	128	VH	NT	23.66	0.028707	±2.5	PASS
EGPRS850	190	VN	NT	19.25	0.023010	±2.5	PASS
EGPRS850	190	VL	NT	22.05	0.026357	±2.5	PASS
EGPRS850	190	VH	NT	22.00	0.026297	±2.5	PASS
EGPRS850	251	VN	NT	19.07	0.022467	±2.5	PASS
EGPRS850	251	VL	NT	20.51	0.024164	±2.5	PASS
EGPRS850	251	VH	NT	19.91	0.023457	±2.5	PASS

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GPRS850	128	NV	-30	26.58	0.032249	±2.5	PASS
GPRS850	128	NV	-20	27.19	0.032990	±2.5	PASS
GPRS850	128	NV	-10	26.36	0.031983	±2.5	PASS
GPRS850	128	NV	0	25.28	0.030672	±2.5	PASS
GPRS850	128	NV	10	25.29	0.030684	±2.5	PASS
GPRS850	128	NV	20	25.27	0.030660	±2.5	PASS
GPRS850	128	NV	30	25.47	0.030903	±2.5	PASS
GPRS850	128	NV	40	25.20	0.030575	±2.5	PASS
GPRS850	128	NV	50	24.64	0.029896	±2.5	PASS
GPRS850	190	NV	-30	23.44	0.028018	±2.5	PASS
GPRS850	190	NV	-20	26.06	0.031150	±2.5	PASS
GPRS850	190	NV	-10	25.50	0.030481	±2.5	PASS
GPRS850	190	NV	0	25.50	0.030481	±2.5	PASS
GPRS850	190	NV	10	25.83	0.030875	±2.5	PASS

GPRS850	190	NV	20	25.85	0.030899	±2.5	PASS
GPRS850	190	NV	30	24.96	0.029835	±2.5	PASS
GPRS850	190	NV	40	26.39	0.031544	±2.5	PASS
GPRS850	190	NV	50	24.27	0.029010	±2.5	PASS
GPRS850	251	NV	-30	26.64	0.031385	±2.5	PASS
GPRS850	251	NV	-20	24.80	0.029218	±2.5	PASS
GPRS850	251	NV	-10	24.27	0.028593	±2.5	PASS
GPRS850	251	NV	0	25.25	0.029748	±2.5	PASS
GPRS850	251	NV	10	26.47	0.031185	±2.5	PASS
GPRS850	251	NV	20	24.17	0.028475	±2.5	PASS
GPRS850	251	NV	30	25.13	0.029607	±2.5	PASS
GPRS850	251	NV	40	25.88	0.030490	±2.5	PASS
GPRS850	251	NV	50	24.80	0.029218	±2.5	PASS
EGPRS850	128	NV	-30	22.79	0.027651	±2.5	PASS
EGPRS850	128	NV	-20	23.74	0.028804	±2.5	PASS
EGPRS850	128	NV	-10	20.82	0.025261	±2.5	PASS
EGPRS850	128	NV	0	21.46	0.026037	±2.5	PASS
EGPRS850	128	NV	10	23.41	0.028403	±2.5	PASS
EGPRS850	128	NV	20	21.50	0.026086	±2.5	PASS
EGPRS850	128	NV	30	22.09	0.026802	±2.5	PASS
EGPRS850	128	NV	40	21.41	0.025977	±2.5	PASS
EGPRS850	128	NV	50	22.15	0.026875	±2.5	PASS
EGPRS850	190	NV	-30	21.70	0.025938	±2.5	PASS
EGPRS850	190	NV	-20	21.19	0.025329	±2.5	PASS
EGPRS850	190	NV	-10	19.92	0.023811	±2.5	PASS
EGPRS850	190	NV	0	21.91	0.026189	±2.5	PASS
EGPRS850	190	NV	10	19.89	0.023775	±2.5	PASS
EGPRS850	190	NV	20	20.42	0.024408	±2.5	PASS
EGPRS850	190	NV	30	21.26	0.025412	±2.5	PASS
EGPRS850	190	NV	40	19.76	0.023619	±2.5	PASS
EGPRS850	190	NV	50	22.01	0.026309	±2.5	PASS
EGPRS850	251	NV	-30	20.25	0.023857	±2.5	PASS
EGPRS850	251	NV	-20	18.07	0.021289	±2.5	PASS
EGPRS850	251	NV	-10	18.42	0.021701	±2.5	PASS
EGPRS850	251	NV	0	18.96	0.022337	±2.5	PASS
EGPRS850	251	NV	10	19.10	0.022502	±2.5	PASS
EGPRS850	251	NV	20	17.88	0.021065	±2.5	PASS
EGPRS850	251	NV	30	19.65	0.023150	±2.5	PASS
EGPRS850	251	NV	40	19.45	0.022915	±2.5	PASS
EGPRS850	251	NV	50	16.96	0.019981	±2.5	PASS

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