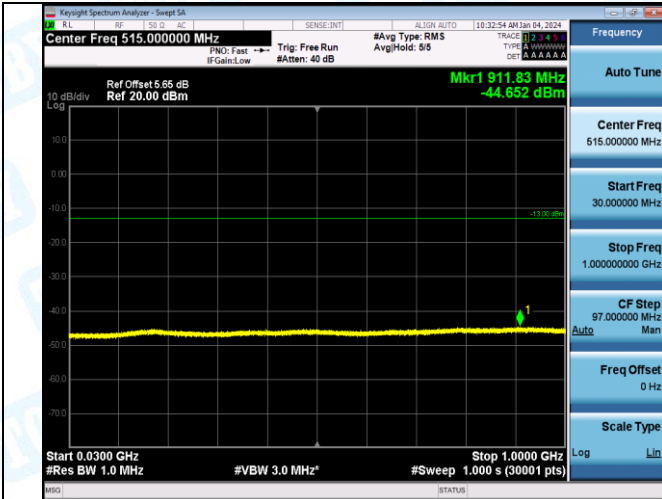
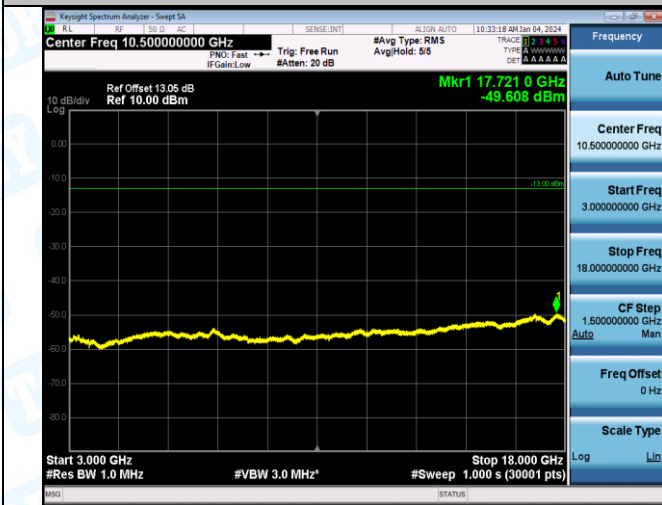




EGPRS1900-810-2-3000-18000MHz-PASS



6. Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	VN	NT	9.46	0.011478	±2.5	PASS
GSM850	128	VL	NT	13.50	0.016380	±2.5	PASS
GSM850	128	VH	NT	11.85	0.014378	±2.5	PASS
GSM850	190	VN	NT	9.78	0.011690	±2.5	PASS
GSM850	190	VL	NT	8.36	0.009993	±2.5	PASS
GSM850	190	VH	NT	9.69	0.011583	±2.5	PASS
GSM850	251	VN	NT	8.36	0.009849	±2.5	PASS
GSM850	251	VL	NT	9.07	0.010686	±2.5	PASS
GSM850	251	VH	NT	8.39	0.009885	±2.5	PASS
GPRS850	128	VN	NT	26.25	0.031849	±2.5	PASS
GPRS850	128	VL	NT	22.24	0.026984	±2.5	PASS
GPRS850	128	VH	NT	11.56	0.014026	±2.5	PASS
GPRS850	190	VN	NT	13.59	0.016244	±2.5	PASS
GPRS850	190	VL	NT	9.56	0.011427	±2.5	PASS
GPRS850	190	VH	NT	8.52	0.010184	±2.5	PASS
GPRS850	251	VN	NT	9.20	0.010839	±2.5	PASS
GPRS850	251	VL	NT	11.17	0.013160	±2.5	PASS
GPRS850	251	VH	NT	10.14	0.011946	±2.5	PASS
EGPRS850	128	VN	NT	3.65	0.004429	±2.5	PASS
EGPRS850	128	VL	NT	3.87	0.004695	±2.5	PASS
EGPRS850	128	VH	NT	13.04	0.015821	±2.5	PASS
EGPRS850	190	VN	NT	6.78	0.008104	±2.5	PASS
EGPRS850	190	VL	NT	6.65	0.007949	±2.5	PASS
EGPRS850	190	VH	NT	5.59	0.006682	±2.5	PASS
EGPRS850	251	VN	NT	0.00	0.000000	±2.5	PASS
EGPRS850	251	VL	NT	-2.68	-0.003157	±2.5	PASS
EGPRS850	251	VH	NT	4.78	0.005631	±2.5	PASS
GSM1900	512	VN	NT	23.50	0.012701	±2.5	PASS
GSM1900	512	VL	NT	17.92	0.009685	±2.5	PASS
GSM1900	512	VH	NT	22.70	0.012269	±2.5	PASS
GSM1900	661	VN	NT	31.03	0.016505	±2.5	PASS
GSM1900	661	VL	NT	25.63	0.013633	±2.5	PASS
GSM1900	661	VH	NT	23.15	0.012314	±2.5	PASS
GSM1900	810	VN	NT	19.11	0.010006	±2.5	PASS
GSM1900	810	VL	NT	19.57	0.010247	±2.5	PASS
GSM1900	810	VH	NT	16.76	0.008776	±2.5	PASS
GPRS1900	512	VN	NT	18.47	0.009983	±2.5	PASS

GPRS1900	512	VL	NT	19.73	0.010664	±2.5	PASS
GPRS1900	512	VH	NT	11.85	0.006405	±2.5	PASS
GPRS1900	661	VN	NT	23.12	0.012298	±2.5	PASS
GPRS1900	661	VL	NT	17.56	0.009340	±2.5	PASS
GPRS1900	661	VH	NT	19.73	0.010495	±2.5	PASS
GPRS1900	810	VN	NT	23.12	0.012106	±2.5	PASS
GPRS1900	810	VL	NT	14.75	0.007723	±2.5	PASS
GPRS1900	810	VH	NT	15.85	0.008299	±2.5	PASS
EGPRS1900	512	VN	NT	18.95	0.010242	±2.5	PASS
EGPRS1900	512	VL	NT	13.85	0.007486	±2.5	PASS
EGPRS1900	512	VH	NT	11.24	0.006075	±2.5	PASS
EGPRS1900	661	VN	NT	15.63	0.008314	±2.5	PASS
EGPRS1900	661	VL	NT	19.63	0.010441	±2.5	PASS
EGPRS1900	661	VH	NT	19.66	0.010457	±2.5	PASS
EGPRS1900	810	VN	NT	14.33	0.007503	±2.5	PASS
EGPRS1900	810	VL	NT	17.08	0.008943	±2.5	PASS
EGPRS1900	810	VH	NT	15.76	0.008252	±2.5	PASS

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	NV	-30	10.62	0.012885	±2.5	PASS
GSM850	128	NV	-20	12.82	0.015554	±2.5	PASS
GSM850	128	NV	-10	12.40	0.015045	±2.5	PASS
GSM850	128	NV	0	11.33	0.013747	±2.5	PASS
GSM850	128	NV	10	8.30	0.010070	±2.5	PASS
GSM850	128	NV	20	8.01	0.009719	±2.5	PASS
GSM850	128	NV	30	11.36	0.013783	±2.5	PASS
GSM850	128	NV	40	12.14	0.014729	±2.5	PASS
GSM850	128	NV	50	8.46	0.010264	±2.5	PASS
GSM850	190	NV	-30	9.52	0.011379	±2.5	PASS
GSM850	190	NV	-20	6.04	0.007220	±2.5	PASS
GSM850	190	NV	-10	9.59	0.011463	±2.5	PASS
GSM850	190	NV	0	6.04	0.007220	±2.5	PASS
GSM850	190	NV	10	6.23	0.007447	±2.5	PASS
GSM850	190	NV	20	5.97	0.007136	±2.5	PASS
GSM850	190	NV	30	7.07	0.008451	±2.5	PASS
GSM850	190	NV	40	5.94	0.007100	±2.5	PASS
GSM850	190	NV	50	7.85	0.009383	±2.5	PASS
GSM850	251	NV	-30	9.30	0.010957	±2.5	PASS
GSM850	251	NV	-20	9.46	0.011145	±2.5	PASS
GSM850	251	NV	-10	7.07	0.008329	±2.5	PASS
GSM850	251	NV	0	7.30	0.008600	±2.5	PASS
GSM850	251	NV	10	5.84	0.006880	±2.5	PASS
GSM850	251	NV	20	7.68	0.009048	±2.5	PASS
GSM850	251	NV	30	6.30	0.007422	±2.5	PASS
GSM850	251	NV	40	10.04	0.011828	±2.5	PASS
GSM850	251	NV	50	9.46	0.011145	±2.5	PASS
GPRS850	128	NV	-30	21.60	0.026207	±2.5	PASS
GPRS850	128	NV	-20	13.88	0.016841	±2.5	PASS
GPRS850	128	NV	-10	11.20	0.013589	±2.5	PASS
GPRS850	128	NV	0	18.53	0.022482	±2.5	PASS
GPRS850	128	NV	10	15.53	0.018843	±2.5	PASS
GPRS850	128	NV	20	13.43	0.016295	±2.5	PASS
GPRS850	128	NV	30	-8.39	-0.010180	±2.5	PASS
GPRS850	128	NV	40	5.26	0.006382	±2.5	PASS
GPRS850	128	NV	50	16.92	0.020529	±2.5	PASS
GPRS850	190	NV	-30	10.49	0.012539	±2.5	PASS
GPRS850	190	NV	-20	12.75	0.015240	±2.5	PASS
GPRS850	190	NV	-10	6.88	0.008224	±2.5	PASS
GPRS850	190	NV	0	12.04	0.014392	±2.5	PASS

GPRS850	190	NV	10	9.30	0.011116	±2.5	PASS
GPRS850	190	NV	20	7.36	0.008798	±2.5	PASS
GPRS850	190	NV	30	9.52	0.011379	±2.5	PASS
GPRS850	190	NV	40	8.17	0.009766	±2.5	PASS
GPRS850	190	NV	50	8.43	0.010077	±2.5	PASS
GPRS850	251	NV	-30	11.24	0.013242	±2.5	PASS
GPRS850	251	NV	-20	9.65	0.011369	±2.5	PASS
GPRS850	251	NV	-10	10.36	0.012205	±2.5	PASS
GPRS850	251	NV	0	8.88	0.010462	±2.5	PASS
GPRS850	251	NV	10	7.85	0.009248	±2.5	PASS
GPRS850	251	NV	20	10.59	0.012476	±2.5	PASS
GPRS850	251	NV	30	11.46	0.013501	±2.5	PASS
GPRS850	251	NV	40	9.17	0.010803	±2.5	PASS
GPRS850	251	NV	50	19.37	0.022820	±2.5	PASS
EGPRS850	128	NV	-30	2.65	0.003215	±2.5	PASS
EGPRS850	128	NV	-20	5.42	0.006576	±2.5	PASS
EGPRS850	128	NV	-10	5.71	0.006928	±2.5	PASS
EGPRS850	128	NV	0	5.26	0.006382	±2.5	PASS
EGPRS850	128	NV	10	5.81	0.007049	±2.5	PASS
EGPRS850	128	NV	20	6.88	0.008347	±2.5	PASS
EGPRS850	128	NV	30	2.00	0.002427	±2.5	PASS
EGPRS850	128	NV	40	-12.56	-0.015239	±2.5	PASS
EGPRS850	128	NV	50	-0.32	-0.000388	±2.5	PASS
EGPRS850	190	NV	-30	4.75	0.005678	±2.5	PASS
EGPRS850	190	NV	-20	8.04	0.009610	±2.5	PASS
EGPRS850	190	NV	-10	4.26	0.005092	±2.5	PASS
EGPRS850	190	NV	0	8.59	0.010268	±2.5	PASS
EGPRS850	190	NV	10	6.72	0.008033	±2.5	PASS
EGPRS850	190	NV	20	5.23	0.006251	±2.5	PASS
EGPRS850	190	NV	30	4.55	0.005439	±2.5	PASS
EGPRS850	190	NV	40	7.33	0.008762	±2.5	PASS
EGPRS850	190	NV	50	7.23	0.008642	±2.5	PASS
EGPRS850	251	NV	-30	6.72	0.007917	±2.5	PASS
EGPRS850	251	NV	-20	7.14	0.008412	±2.5	PASS
EGPRS850	251	NV	-10	3.84	0.004524	±2.5	PASS
EGPRS850	251	NV	0	3.33	0.003923	±2.5	PASS
EGPRS850	251	NV	10	3.13	0.003688	±2.5	PASS
EGPRS850	251	NV	20	2.65	0.003122	±2.5	PASS
EGPRS850	251	NV	30	3.16	0.003723	±2.5	PASS
EGPRS850	251	NV	40	6.26	0.007375	±2.5	PASS
EGPRS850	251	NV	50	6.91	0.008141	±2.5	PASS
GSM1900	512	NV	-30	24.44	0.013209	±2.5	PASS
GSM1900	512	NV	-20	19.18	0.010366	±2.5	PASS

GSM1900	512	NV	-10	20.73	0.011204	±2.5	PASS
GSM1900	512	NV	0	21.63	0.011691	±2.5	PASS
GSM1900	512	NV	10	24.83	0.013420	±2.5	PASS
GSM1900	512	NV	20	14.01	0.007572	±2.5	PASS
GSM1900	512	NV	30	-6.20	-0.003351	±2.5	PASS
GSM1900	512	NV	40	23.18	0.012528	±2.5	PASS
GSM1900	512	NV	50	30.22	0.016333	±2.5	PASS
GSM1900	661	NV	-30	22.18	0.011798	±2.5	PASS
GSM1900	661	NV	-20	25.34	0.013479	±2.5	PASS
GSM1900	661	NV	-10	24.89	0.013239	±2.5	PASS
GSM1900	661	NV	0	24.31	0.012931	±2.5	PASS
GSM1900	661	NV	10	-6.88	-0.003660	±2.5	PASS
GSM1900	661	NV	20	11.78	0.006266	±2.5	PASS
GSM1900	661	NV	30	46.52	0.024745	±2.5	PASS
GSM1900	661	NV	40	36.42	0.019372	±2.5	PASS
GSM1900	661	NV	50	40.00	0.021277	±2.5	PASS
GSM1900	810	NV	-30	17.85	0.009347	±2.5	PASS
GSM1900	810	NV	-20	21.15	0.011074	±2.5	PASS
GSM1900	810	NV	-10	13.59	0.007116	±2.5	PASS
GSM1900	810	NV	0	17.21	0.009011	±2.5	PASS
GSM1900	810	NV	10	38.90	0.020369	±2.5	PASS
GSM1900	810	NV	20	39.68	0.020777	±2.5	PASS
GSM1900	810	NV	30	29.61	0.015504	±2.5	PASS
GSM1900	810	NV	40	30.25	0.015839	±2.5	PASS
GSM1900	810	NV	50	21.44	0.011226	±2.5	PASS
GPRS1900	512	NV	-30	10.82	0.005848	±2.5	PASS
GPRS1900	512	NV	-20	20.47	0.011064	±2.5	PASS
GPRS1900	512	NV	-10	19.66	0.010626	±2.5	PASS
GPRS1900	512	NV	0	20.08	0.010853	±2.5	PASS
GPRS1900	512	NV	10	17.31	0.009356	±2.5	PASS
GPRS1900	512	NV	20	17.27	0.009334	±2.5	PASS
GPRS1900	512	NV	30	14.79	0.007994	±2.5	PASS
GPRS1900	512	NV	40	29.99	0.016209	±2.5	PASS
GPRS1900	512	NV	50	35.93	0.019420	±2.5	PASS
GPRS1900	661	NV	-30	19.11	0.010165	±2.5	PASS
GPRS1900	661	NV	-20	15.17	0.008069	±2.5	PASS
GPRS1900	661	NV	-10	13.69	0.007282	±2.5	PASS
GPRS1900	661	NV	0	9.40	0.005000	±2.5	PASS
GPRS1900	661	NV	10	17.76	0.009447	±2.5	PASS
GPRS1900	661	NV	20	21.89	0.011644	±2.5	PASS
GPRS1900	661	NV	30	17.63	0.009378	±2.5	PASS
GPRS1900	661	NV	40	20.37	0.010835	±2.5	PASS
GPRS1900	661	NV	50	38.97	0.020729	±2.5	PASS

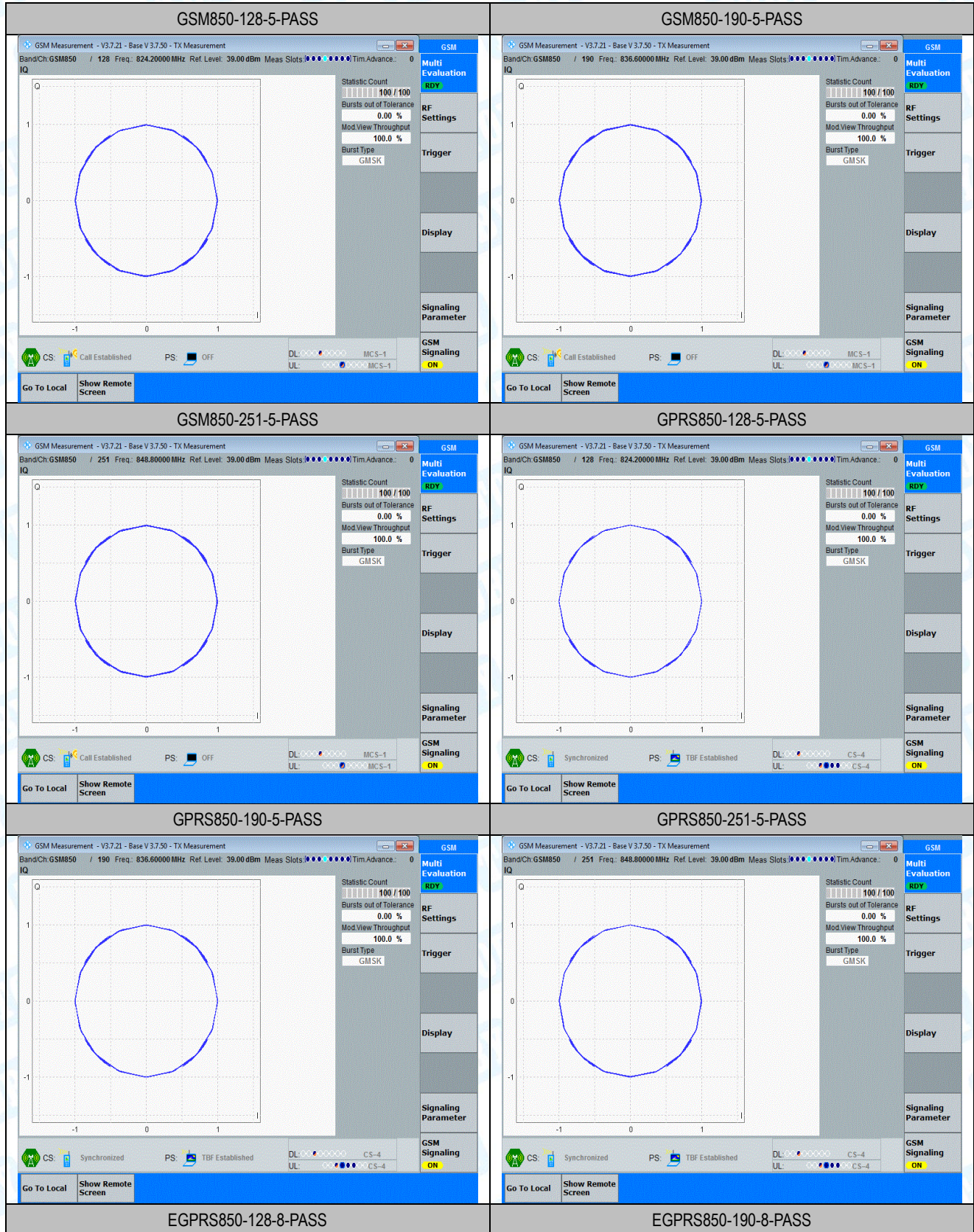
GPRS1900	810	NV	-30	13.20	0.006912	±2.5	PASS
GPRS1900	810	NV	-20	15.11	0.007912	±2.5	PASS
GPRS1900	810	NV	-10	12.40	0.006493	±2.5	PASS
GPRS1900	810	NV	0	16.56	0.008671	±2.5	PASS
GPRS1900	810	NV	10	11.82	0.006189	±2.5	PASS
GPRS1900	810	NV	20	4.65	0.002435	±2.5	PASS
GPRS1900	810	NV	30	12.43	0.006509	±2.5	PASS
GPRS1900	810	NV	40	15.85	0.008299	±2.5	PASS
GPRS1900	810	NV	50	39.16	0.020505	±2.5	PASS
EGPRS1900	512	NV	-30	11.53	0.006232	±2.5	PASS
EGPRS1900	512	NV	-20	17.08	0.009231	±2.5	PASS
EGPRS1900	512	NV	-10	16.82	0.009091	±2.5	PASS
EGPRS1900	512	NV	0	16.63	0.008988	±2.5	PASS
EGPRS1900	512	NV	10	15.43	0.008340	±2.5	PASS
EGPRS1900	512	NV	20	7.30	0.003946	±2.5	PASS
EGPRS1900	512	NV	30	-18.98	-0.010258	±2.5	PASS
EGPRS1900	512	NV	40	-10.11	-0.005464	±2.5	PASS
EGPRS1900	512	NV	50	33.87	0.018306	±2.5	PASS
EGPRS1900	661	NV	-30	18.31	0.009739	±2.5	PASS
EGPRS1900	661	NV	-20	17.76	0.009447	±2.5	PASS
EGPRS1900	661	NV	-10	21.92	0.011660	±2.5	PASS
EGPRS1900	661	NV	0	14.11	0.007505	±2.5	PASS
EGPRS1900	661	NV	10	21.41	0.011388	±2.5	PASS
EGPRS1900	661	NV	20	19.82	0.010543	±2.5	PASS
EGPRS1900	661	NV	30	14.95	0.007952	±2.5	PASS
EGPRS1900	661	NV	40	25.47	0.013548	±2.5	PASS
EGPRS1900	661	NV	50	-15.34	-0.008160	±2.5	PASS
EGPRS1900	810	NV	-30	11.56	0.006053	±2.5	PASS
EGPRS1900	810	NV	-20	12.72	0.006660	±2.5	PASS
EGPRS1900	810	NV	-10	16.14	0.008451	±2.5	PASS
EGPRS1900	810	NV	0	13.59	0.007116	±2.5	PASS
EGPRS1900	810	NV	10	12.88	0.006744	±2.5	PASS
EGPRS1900	810	NV	20	18.31	0.009587	±2.5	PASS
EGPRS1900	810	NV	30	11.07	0.005796	±2.5	PASS
EGPRS1900	810	NV	40	23.47	0.012289	±2.5	PASS
EGPRS1900	810	NV	50	28.70	0.015028	±2.5	PASS

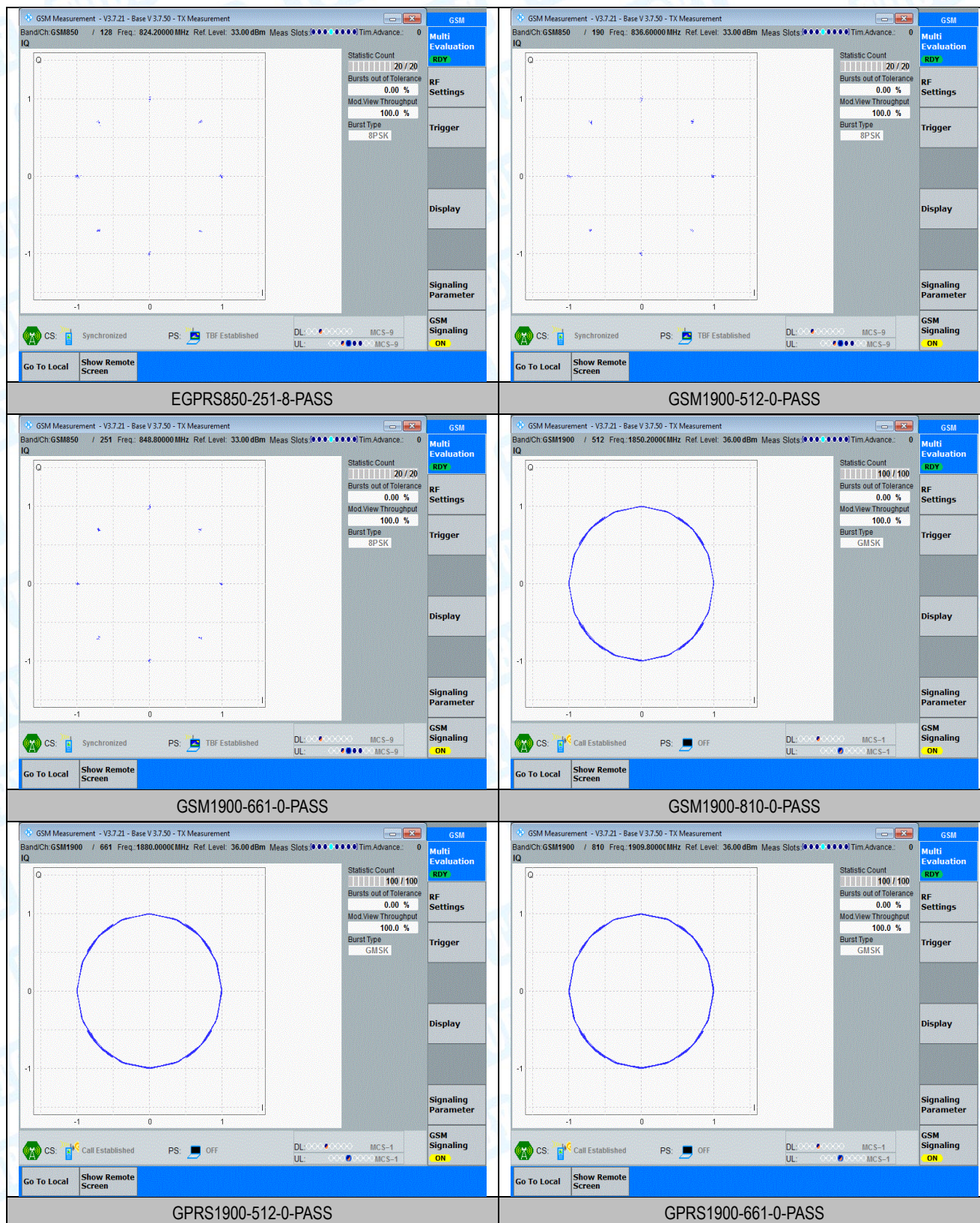
7. Modulation Characteristics

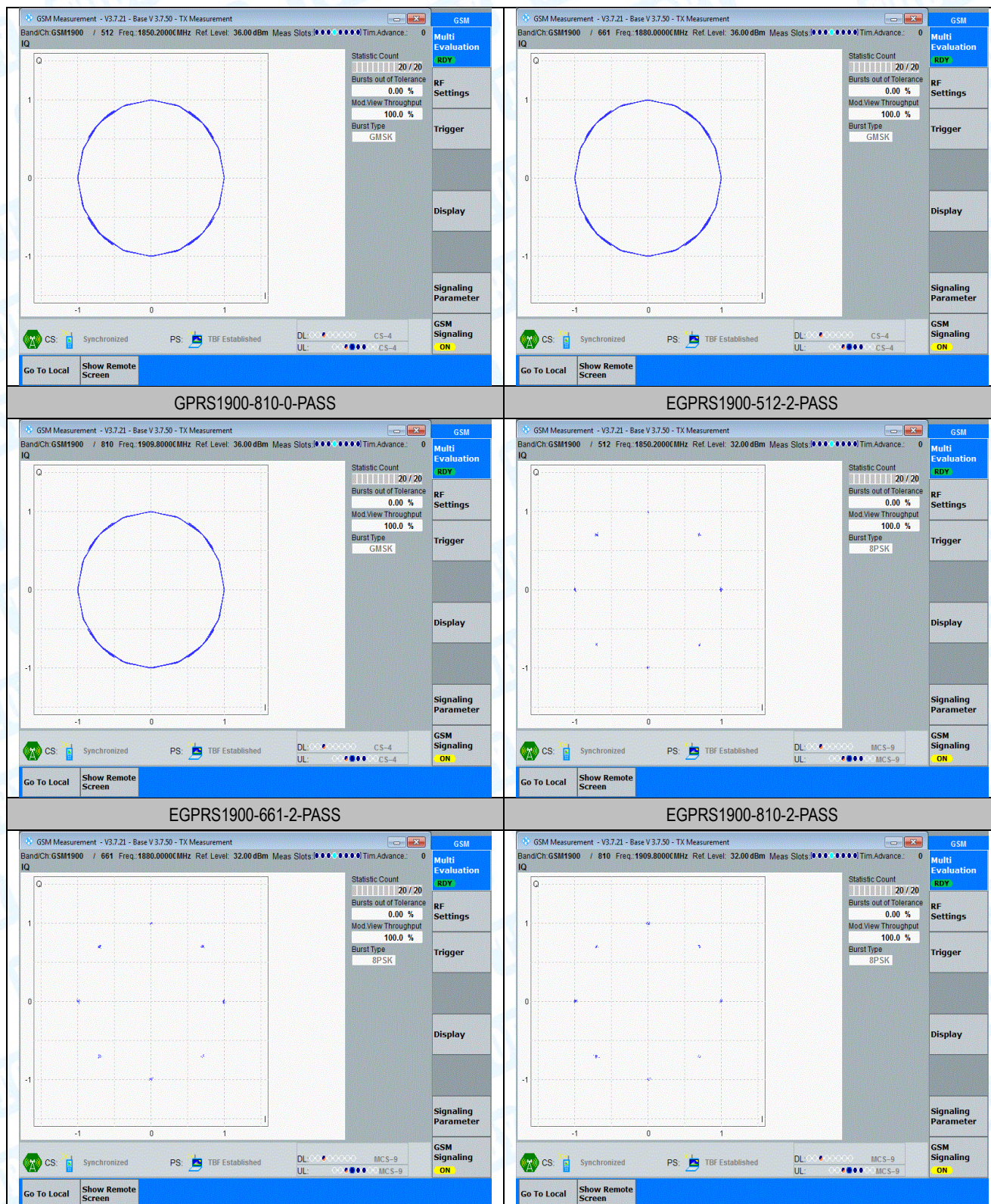
Test Result

Band	Channel	Result	Verdict
GSM850	128	PASS	PASS
GSM850	190	PASS	PASS
GSM850	251	PASS	PASS
GPRS850	128	PASS	PASS
GPRS850	190	PASS	PASS
GPRS850	251	PASS	PASS
EGPRS850	128	PASS	PASS
EGPRS850	190	PASS	PASS
EGPRS850	251	PASS	PASS
GSM1900	512	PASS	PASS
GSM1900	661	PASS	PASS
GSM1900	810	PASS	PASS
GPRS1900	512	PASS	PASS
GPRS1900	661	PASS	PASS
GPRS1900	810	PASS	PASS
EGPRS1900	512	PASS	PASS
EGPRS1900	661	PASS	PASS
EGPRS1900	810	PASS	PASS

Test Graphs







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