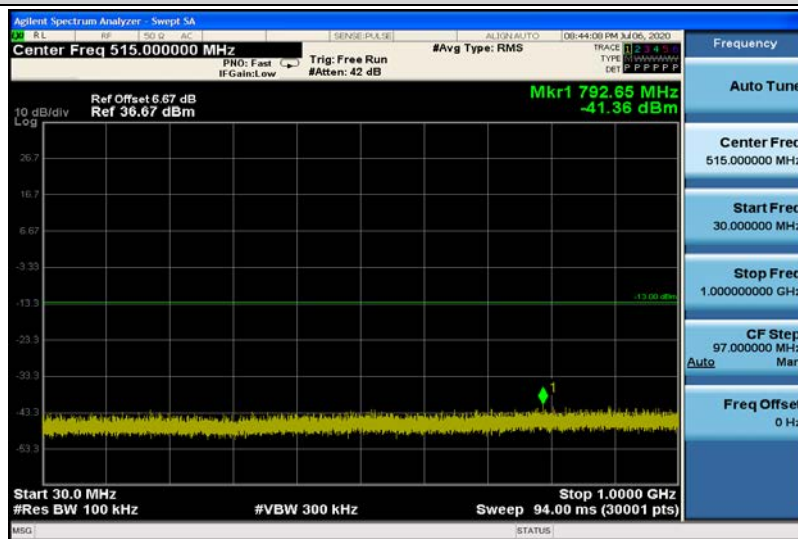


GPRS1900-512-30~1000



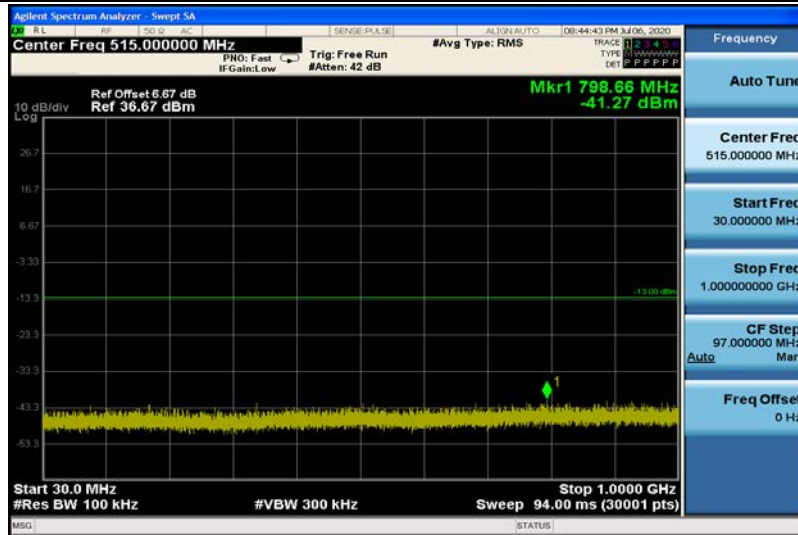
GPRS1900-512-1000~20000



GPRS1900-661-30~1000



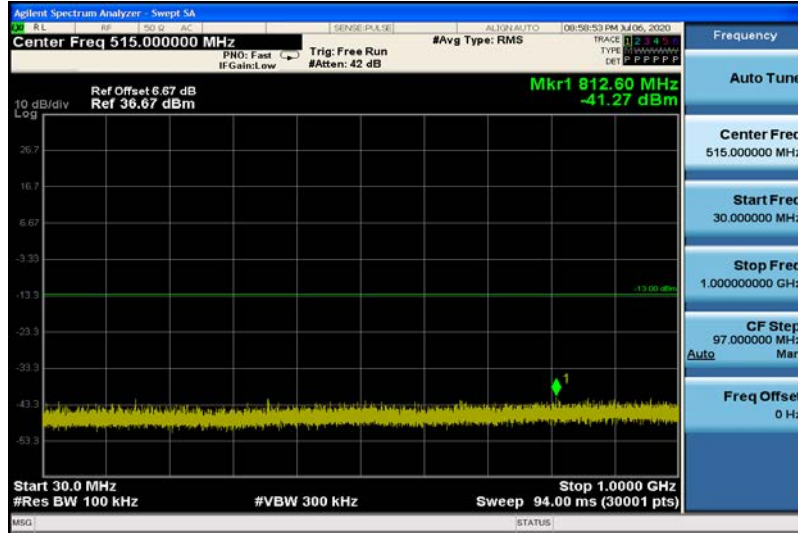
GPRS1900-661-1000~20000



GPRS1900-810-30~1000



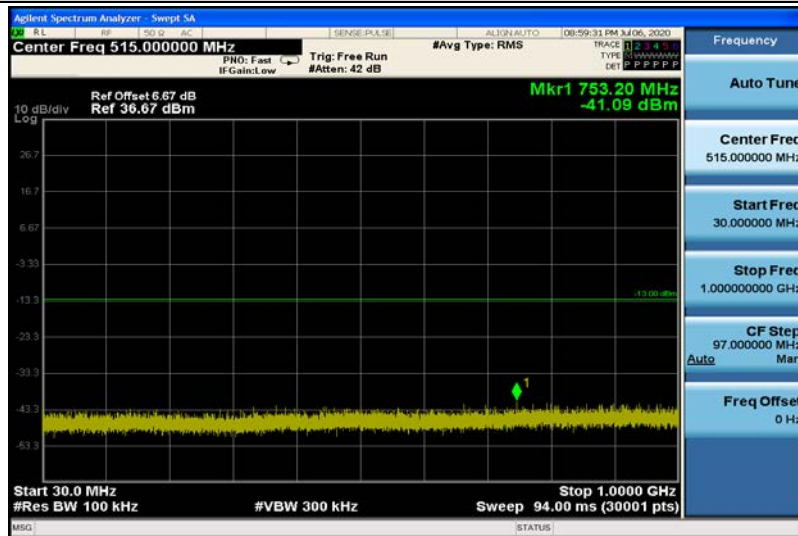
GPRS1900-810-1000~20000



EGPRS1900-512-30~1000



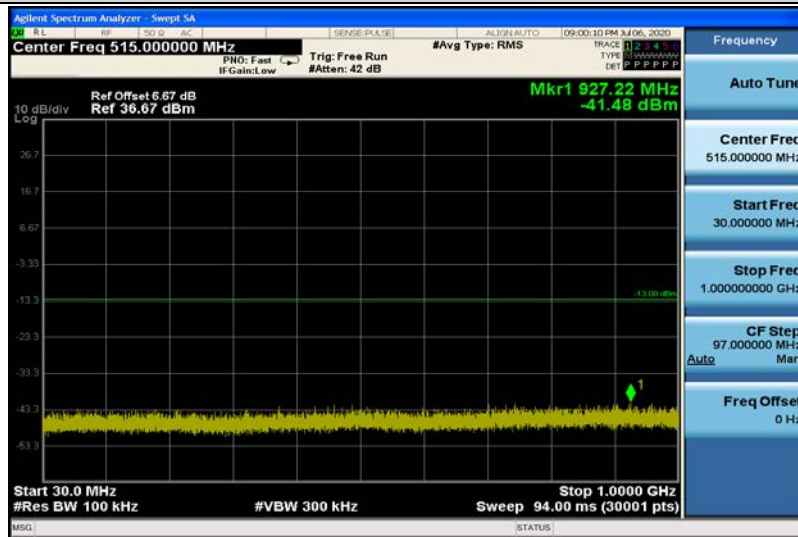
EGPRS1900-512-1000~20000



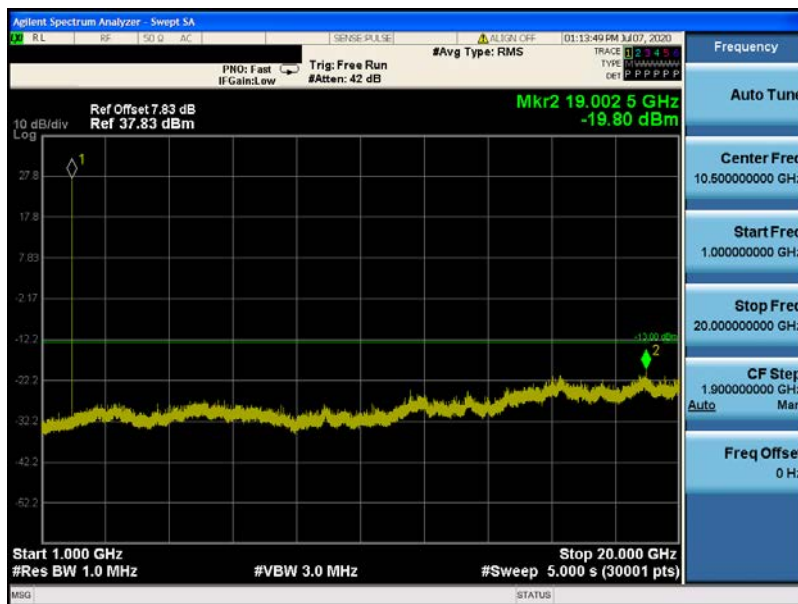
EGPRS1900-661-30~1000



EGPRS1900-661-1000~20000



EGPRS1900-810-30~1000



EGPRS1900-810-1000~20000

8.6 Appendix F: Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GPRS850	128	VL	TN	17.40	0.021114	2.5	PASS
GPRS850	128	VN	TN	-1.13	-0.001371	2.5	PASS
GPRS850	128	VH	TN	2.07	0.002507	2.5	PASS
GPRS850	190	VL	TN	15.05	0.017984	2.5	PASS
GPRS850	190	VN	TN	5.49	0.006561	2.5	PASS
GPRS850	190	VH	TN	9.85	0.011770	2.5	PASS
GPRS850	251	VL	TN	12.85	0.015139	2.5	PASS
GPRS850	251	VN	TN	8.88	0.010460	2.5	PASS
GPRS850	251	VH	TN	9.98	0.011753	2.5	PASS
EGPRS850	128	VL	TN	-2.42	-0.002938	2.5	PASS
EGPRS850	128	VN	TN	-2.52	-0.003055	2.5	PASS
EGPRS850	128	VH	TN	-14.11	-0.017118	2.5	PASS
EGPRS850	190	VL	TN	-1.19	-0.001428	2.5	PASS
EGPRS850	190	VN	TN	5.81	0.006947	2.5	PASS
EGPRS850	190	VH	TN	3.45	0.004129	2.5	PASS
EGPRS850	251	VL	TN	4.55	0.005363	2.5	PASS
EGPRS850	251	VN	TN	0.39	0.000456	2.5	PASS
EGPRS850	251	VH	TN	-3.49	-0.004108	2.5	PASS
GPRS1900	512	VL	TN	13.20	0.007137	2.5	PASS
GPRS1900	512	VN	TN	17.72	0.009580	2.5	PASS
GPRS1900	512	VH	TN	19.40	0.010487	2.5	PASS
GPRS1900	661	VL	TN	-8.07	-0.004293	2.5	PASS
GPRS1900	661	VN	TN	10.72	0.005702	2.5	PASS
GPRS1900	661	VH	TN	1.97	0.001048	2.5	PASS
GPRS1900	810	VL	TN	1.32	0.000693	2.5	PASS
GPRS1900	810	VN	TN	1.39	0.000727	2.5	PASS
GPRS1900	810	VH	TN	4.23	0.002215	2.5	PASS
EGPRS1900	512	VL	TN	-5.04	-0.002722	2.5	PASS
EGPRS1900	512	VN	TN	18.47	0.009981	2.5	PASS
EGPRS1900	512	VH	TN	3.84	0.002077	2.5	PASS
EGPRS1900	661	VL	TN	9.56	0.005083	2.5	PASS
EGPRS1900	661	VN	TN	5.55	0.002954	2.5	PASS
EGPRS1900	661	VH	TN	1.94	0.001030	2.5	PASS
EGPRS1900	810	VL	TN	1.97	0.001031	2.5	PASS
EGPRS1900	810	VN	TN	6.04	0.003161	2.5	PASS

EGPRS1900	810	VH	TN	-13.01	-0.006813	2.5	PASS
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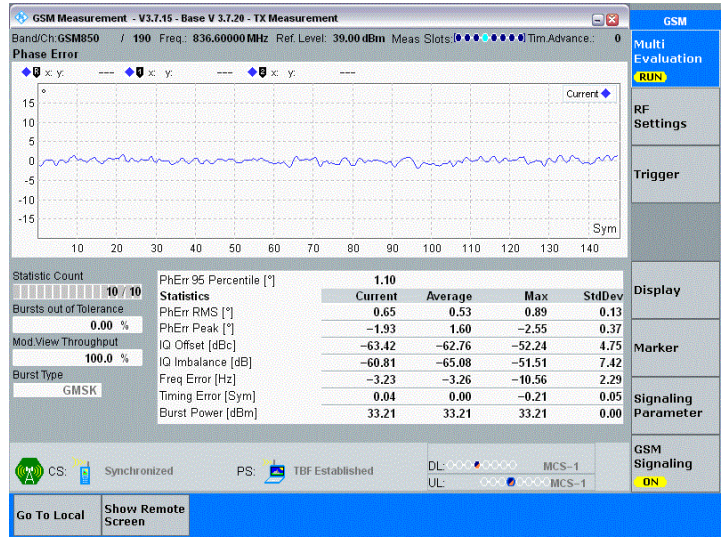
Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GPRS850	128	VN	-30	8.14	0.009871	2.5	PASS
GPRS850	128	VN	-20	9.78	0.011869	2.5	PASS
GPRS850	128	VN	-10	0.94	0.001136	2.5	PASS
GPRS850	128	VN	0	13.04	0.015826	2.5	PASS
GPRS850	128	VN	10	8.10	0.009832	2.5	PASS
GPRS850	128	VN	20	7.10	0.008618	2.5	PASS
GPRS850	128	VN	30	11.27	0.013671	2.5	PASS
GPRS850	128	VN	40	10.85	0.013162	2.5	PASS
GPRS850	128	VN	50	7.72	0.009362	2.5	PASS
GPRS850	190	VN	-30	7.39	0.008838	2.5	PASS
GPRS850	190	VN	-20	6.07	0.007255	2.5	PASS
GPRS850	190	VN	-10	0.36	0.000425	2.5	PASS
GPRS850	190	VN	0	10.01	0.011963	2.5	PASS
GPRS850	190	VN	10	8.65	0.010343	2.5	PASS
GPRS850	190	VN	20	10.01	0.011963	2.5	PASS
GPRS850	190	VN	30	12.49	0.014935	2.5	PASS
GPRS850	190	VN	40	9.30	0.011114	2.5	PASS
GPRS850	190	VN	50	10.27	0.012272	2.5	PASS
GPRS850	251	VN	-30	3.13	0.003690	2.5	PASS
GPRS850	251	VN	-20	4.65	0.005477	2.5	PASS
GPRS850	251	VN	-10	5.20	0.006124	2.5	PASS
GPRS850	251	VN	0	10.88	0.012818	2.5	PASS
GPRS850	251	VN	10	8.33	0.009814	2.5	PASS
GPRS850	251	VN	20	6.94	0.008178	2.5	PASS
GPRS850	251	VN	30	6.13	0.007227	2.5	PASS
GPRS850	251	VN	40	4.91	0.005782	2.5	PASS
GPRS850	251	VN	50	4.26	0.005021	2.5	PASS
EGPRS850	128	VN	-30	-0.71	-0.000862	2.5	PASS
EGPRS850	128	VN	-20	-2.62	-0.003173	2.5	PASS
EGPRS850	128	VN	-10	0.52	0.000627	2.5	PASS
EGPRS850	128	VN	0	-4.26	-0.005171	2.5	PASS
EGPRS850	128	VN	10	-4.10	-0.004975	2.5	PASS
EGPRS850	128	VN	20	2.58	0.003134	2.5	PASS
EGPRS850	128	VN	30	2.16	0.002625	2.5	PASS
EGPRS850	128	VN	40	4.71	0.005719	2.5	PASS
EGPRS850	128	VN	50	-7.85	-0.009519	2.5	PASS
EGPRS850	190	VN	-30	-8.20	-0.009802	2.5	PASS
EGPRS850	190	VN	-20	-3.07	-0.003666	2.5	PASS

EGPRS850	190	VN	-10	2.00	0.002393	2.5	PASS
EGPRS850	190	VN	0	4.00	0.004785	2.5	PASS
EGPRS850	190	VN	10	1.32	0.001582	2.5	PASS
EGPRS850	190	VN	20	-1.36	-0.001621	2.5	PASS
EGPRS850	190	VN	30	1.32	0.001582	2.5	PASS
EGPRS850	190	VN	40	1.68	0.002007	2.5	PASS
EGPRS850	190	VN	50	0.26	0.000309	2.5	PASS
EGPRS850	251	VN	-30	-5.36	-0.006314	2.5	PASS
EGPRS850	251	VN	-20	2.84	0.003347	2.5	PASS
EGPRS850	251	VN	-10	-2.45	-0.002891	2.5	PASS
EGPRS850	251	VN	0	-1.87	-0.002206	2.5	PASS
EGPRS850	251	VN	10	-2.16	-0.002548	2.5	PASS
EGPRS850	251	VN	20	0.23	0.000266	2.5	PASS
EGPRS850	251	VN	30	3.55	0.004184	2.5	PASS
EGPRS850	251	VN	40	-0.52	-0.000609	2.5	PASS
EGPRS850	251	VN	50	-2.23	-0.002625	2.5	PASS
GPRS1900	512	VN	-30	13.43	0.007259	2.5	PASS
GPRS1900	512	VN	-20	17.66	0.009545	2.5	PASS
GPRS1900	512	VN	-10	8.17	0.004415	2.5	PASS
GPRS1900	512	VN	0	4.68	0.002530	2.5	PASS
GPRS1900	512	VN	10	14.24	0.007695	2.5	PASS
GPRS1900	512	VN	20	-7.62	-0.004118	2.5	PASS
GPRS1900	512	VN	30	5.49	0.002966	2.5	PASS
GPRS1900	512	VN	40	12.82	0.006928	2.5	PASS
GPRS1900	512	VN	50	10.82	0.005846	2.5	PASS
GPRS1900	661	VN	-30	-1.32	-0.000704	2.5	PASS
GPRS1900	661	VN	-20	-3.62	-0.001923	2.5	PASS
GPRS1900	661	VN	-10	-3.45	-0.001838	2.5	PASS
GPRS1900	661	VN	0	6.94	0.003692	2.5	PASS
GPRS1900	661	VN	10	-1.10	-0.000584	2.5	PASS
GPRS1900	661	VN	20	15.56	0.008278	2.5	PASS
GPRS1900	661	VN	30	5.71	0.003040	2.5	PASS
GPRS1900	661	VN	40	-6.42	-0.003417	2.5	PASS
GPRS1900	661	VN	50	-2.74	-0.001460	2.5	PASS
GPRS1900	810	VN	-30	5.46	0.002857	2.5	PASS
GPRS1900	810	VN	-20	4.78	0.002502	2.5	PASS
GPRS1900	810	VN	-10	2.91	0.001521	2.5	PASS
GPRS1900	810	VN	0	5.49	0.002874	2.5	PASS
GPRS1900	810	VN	10	5.65	0.002958	2.5	PASS
GPRS1900	810	VN	20	6.68	0.003499	2.5	PASS
GPRS1900	810	VN	30	4.58	0.002401	2.5	PASS
GPRS1900	810	VN	40	1.61	0.000845	2.5	PASS

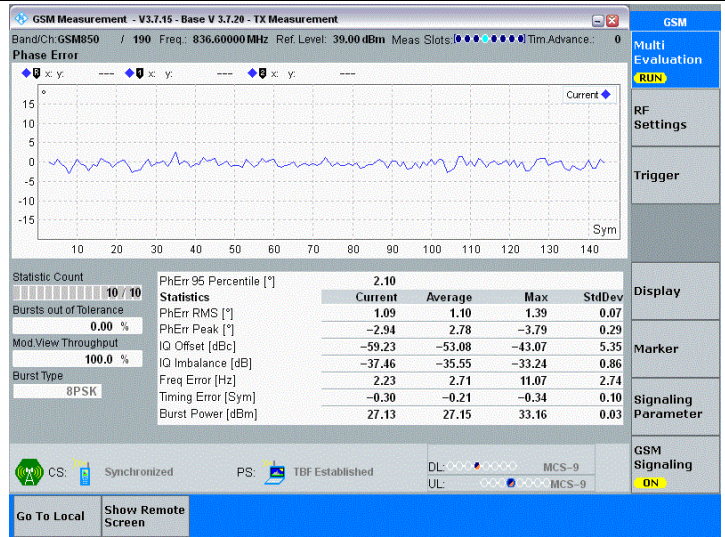
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EGPRS1900	512	VN	-30	0.68	0.000366	2.5	PASS
EGPRS1900	512	VN	-20	1.16	0.000628	2.5	PASS
EGPRS1900	512	VN	-10	16.24	0.008777	2.5	PASS
EGPRS1900	512	VN	0	5.26	0.002844	2.5	PASS
EGPRS1900	512	VN	10	8.23	0.004450	2.5	PASS
EGPRS1900	512	VN	20	-9.56	-0.005165	2.5	PASS
EGPRS1900	512	VN	30	7.33	0.003961	2.5	PASS
EGPRS1900	512	VN	40	6.49	0.003507	2.5	PASS
EGPRS1900	512	VN	50	-2.94	-0.001588	2.5	PASS
EGPRS1900	661	VN	-30	-5.00	-0.002662	2.5	PASS
EGPRS1900	661	VN	-20	-0.16	-0.000086	2.5	PASS
EGPRS1900	661	VN	-10	3.33	0.001769	2.5	PASS
EGPRS1900	661	VN	0	1.84	0.000979	2.5	PASS
EGPRS1900	661	VN	10	-2.74	-0.001460	2.5	PASS
EGPRS1900	661	VN	20	-8.04	-0.004276	2.5	PASS
EGPRS1900	661	VN	30	7.20	0.003830	2.5	PASS
EGPRS1900	661	VN	40	0.87	0.000464	2.5	PASS
EGPRS1900	661	VN	50	2.26	0.001202	2.5	PASS
EGPRS1900	810	VN	-30	-6.84	-0.003584	2.5	PASS
EGPRS1900	810	VN	-20	-3.16	-0.001657	2.5	PASS
EGPRS1900	810	VN	-10	-0.13	-0.000068	2.5	PASS
EGPRS1900	810	VN	0	0.87	0.000456	2.5	PASS
EGPRS1900	810	VN	10	2.65	0.001386	2.5	PASS
EGPRS1900	810	VN	20	7.01	0.003668	2.5	PASS
EGPRS1900	810	VN	30	-0.29	-0.000152	2.5	PASS
EGPRS1900	810	VN	40	3.49	0.001826	2.5	PASS
EGPRS1900	810	VN	50	-2.49	-0.001302	2.5	PASS

8.7 Appendix G: Modulation characteristics

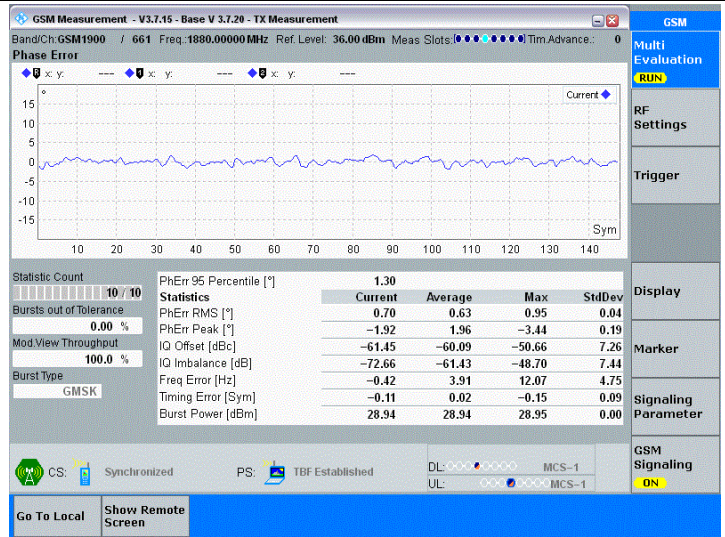
Test Result



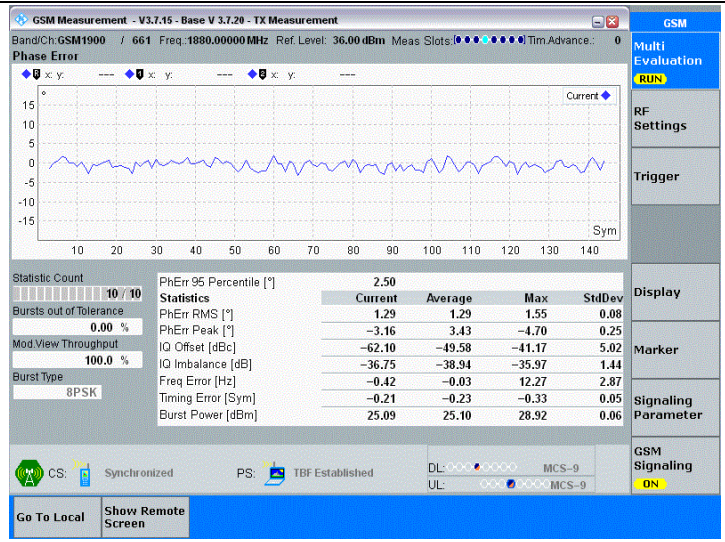
GPRS850-PE



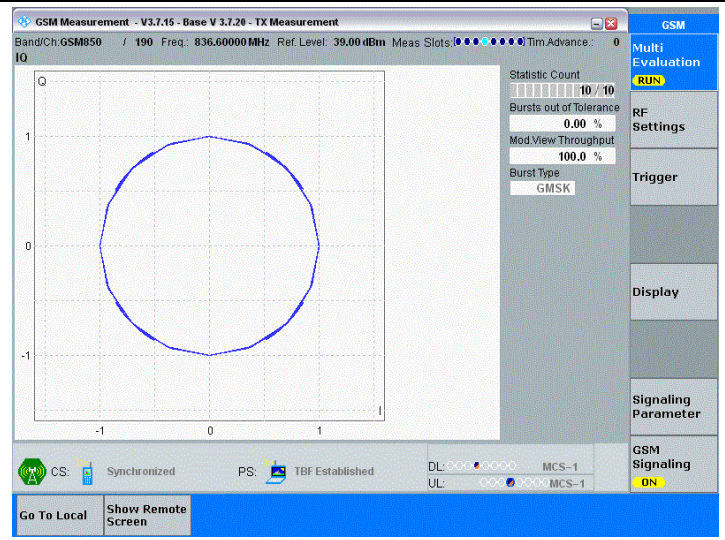
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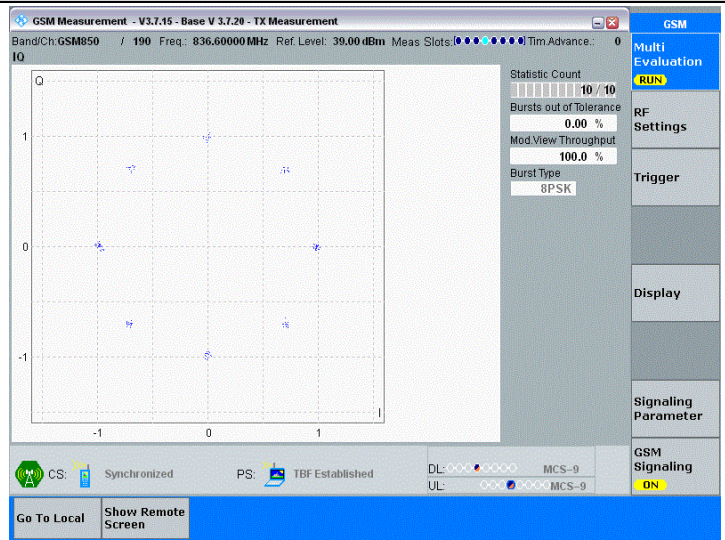
GPRS190-PE



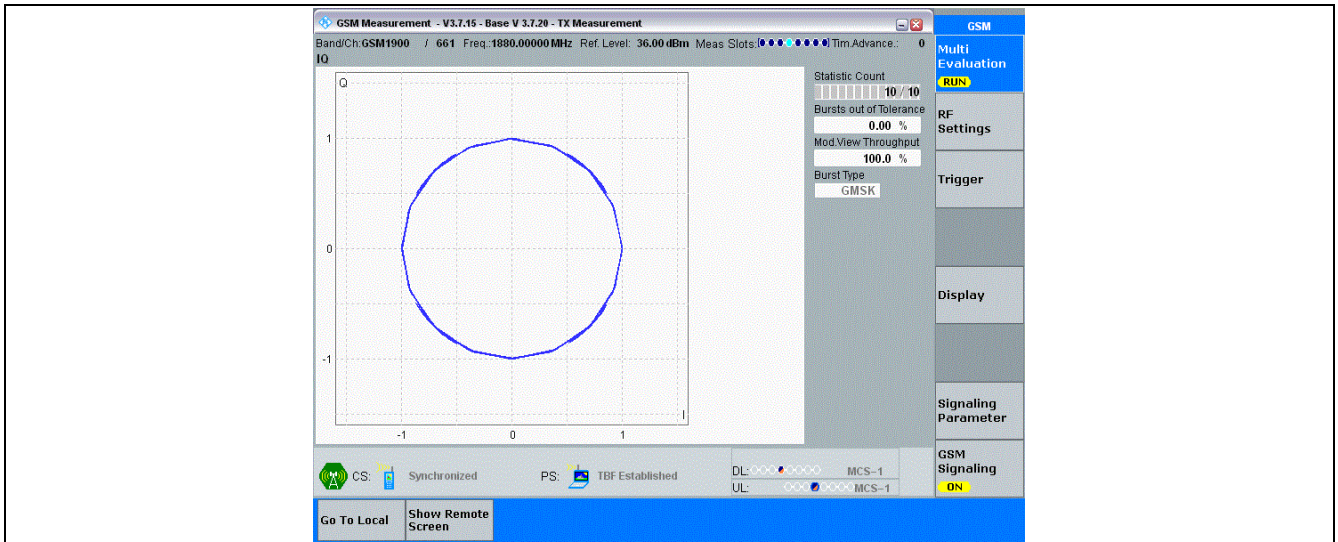
EGPRS190-PE



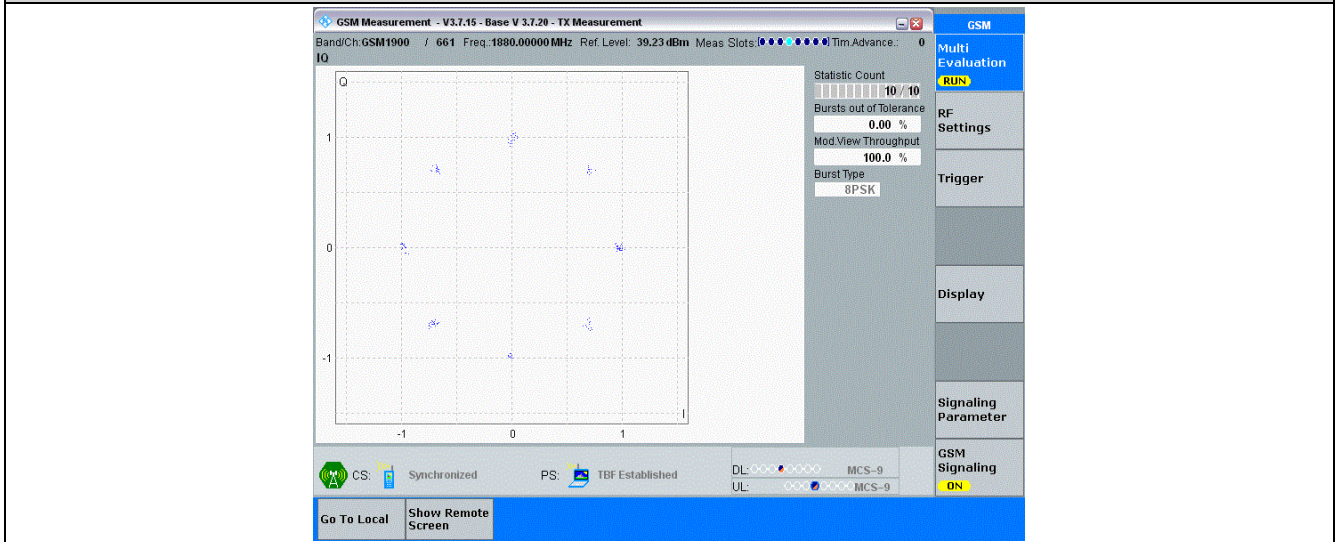
GPRS850-IQ



EGPRS850-IQ



GPRS1900-IQ



-----End of the Report -----