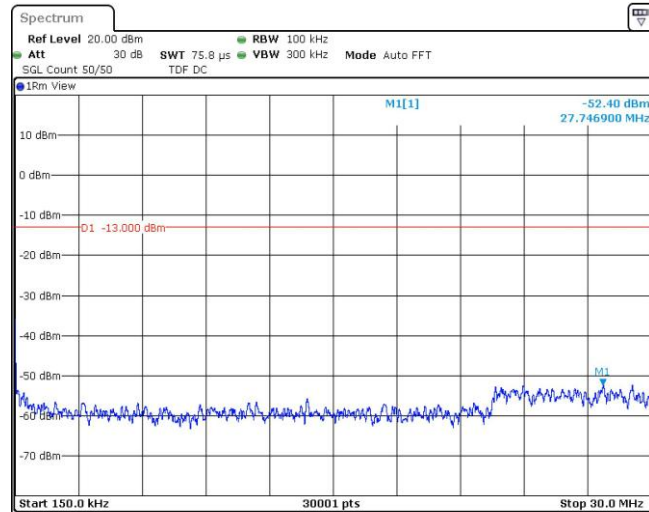
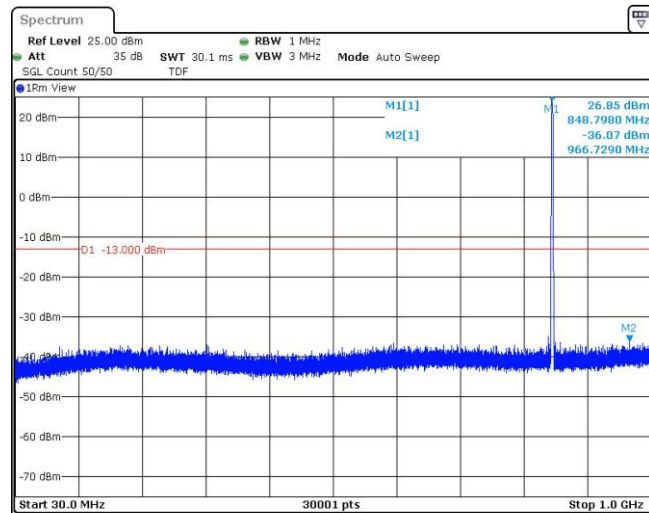
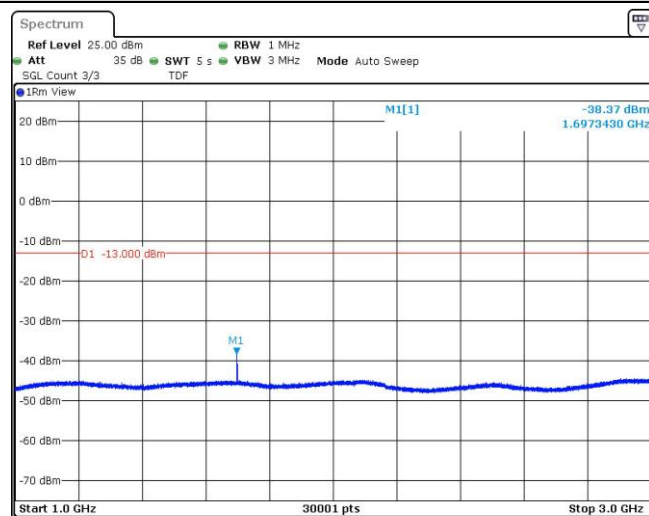




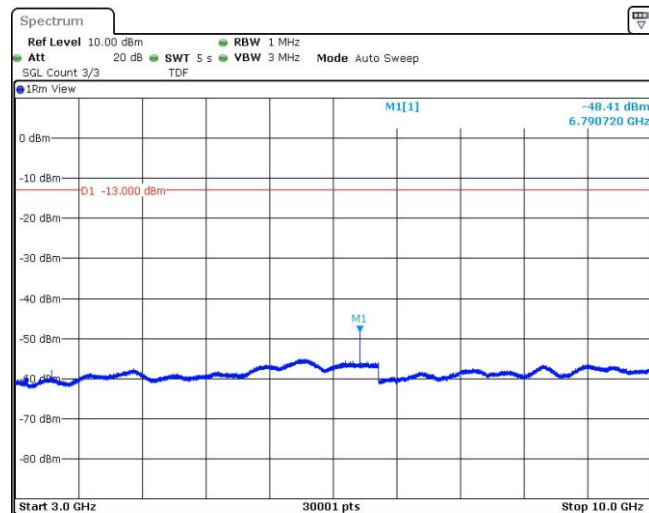
GPRS850-190-3-30~1000MHz



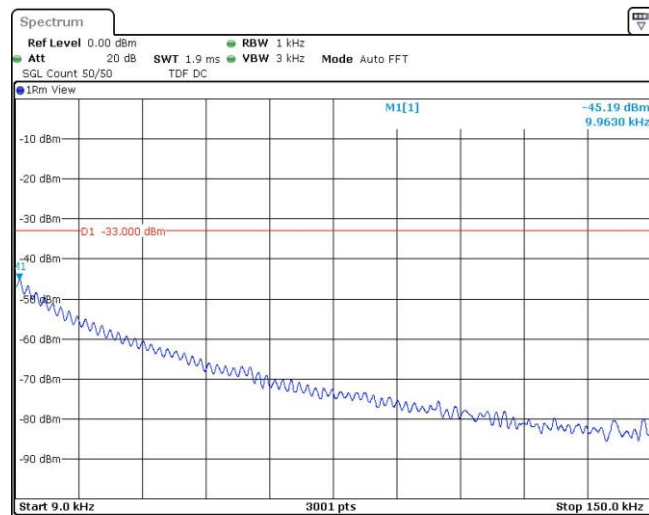
GPRS850-190-3-1000~3000MHz



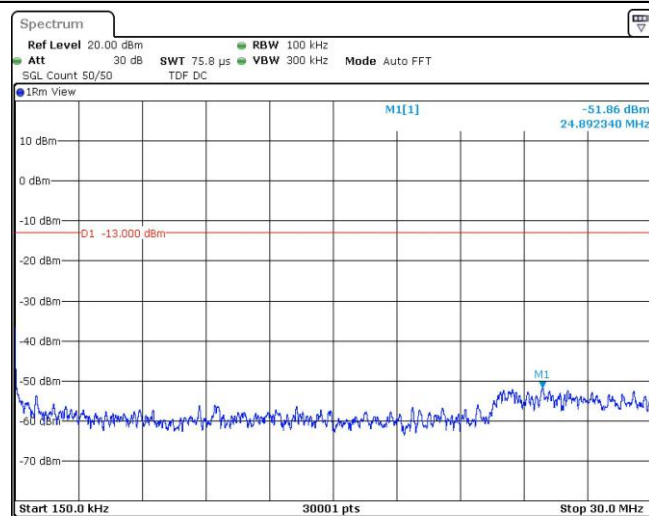
GPRS850-190-3-3000~10000MHz



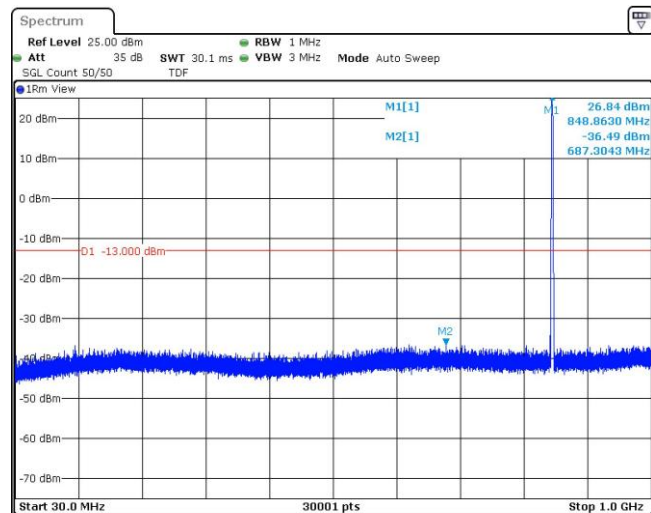
GPRS850-251-3-0.009~0.15MHz



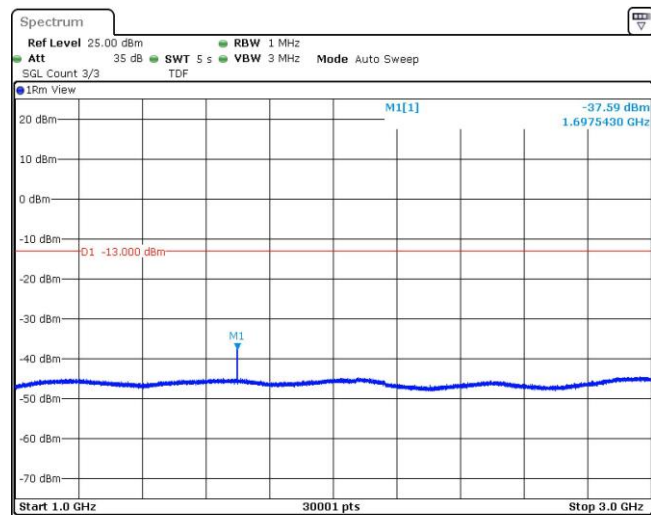
GPRS850-251-3-0.15~30MHz



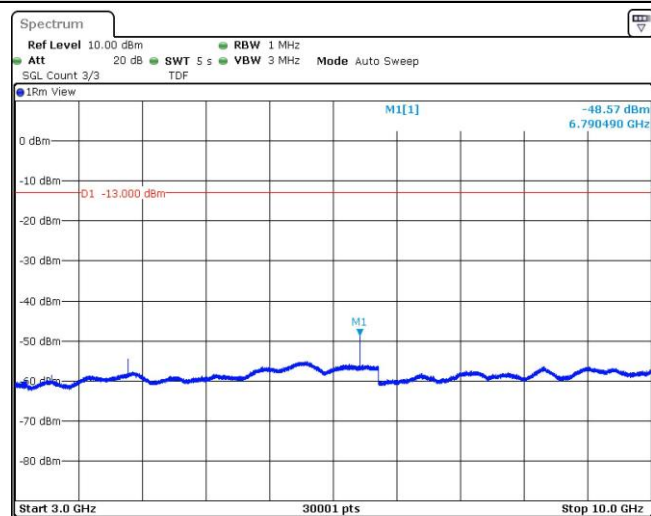
GPRS850-251-3-30~1000MHz



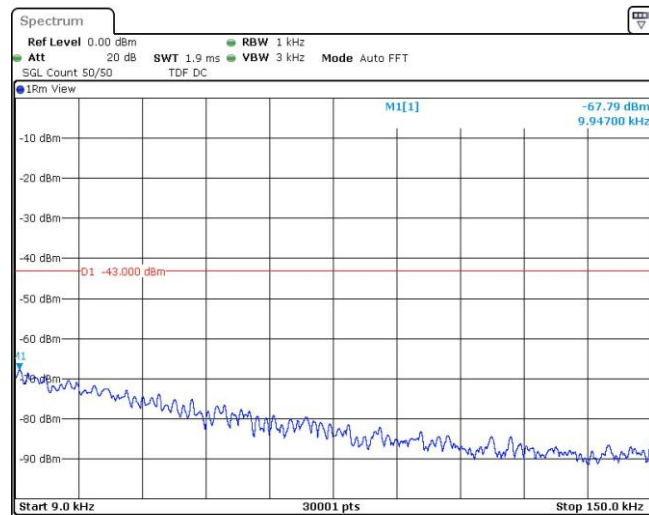
GPRS850-251-3-1000~3000MHz



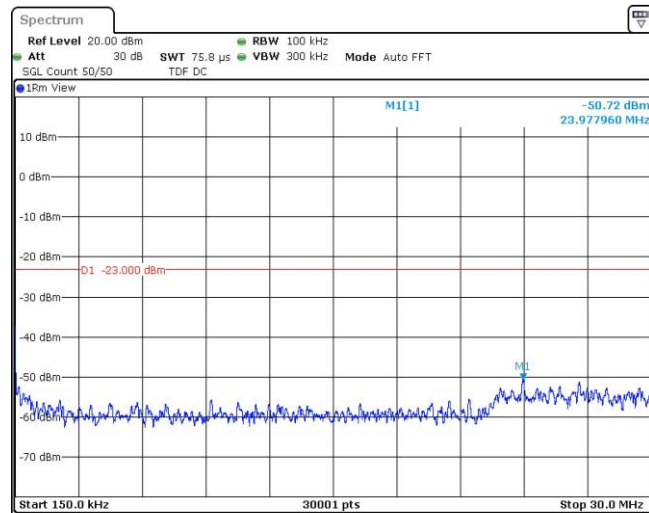
GPRS850-251-3-3000~10000MHz



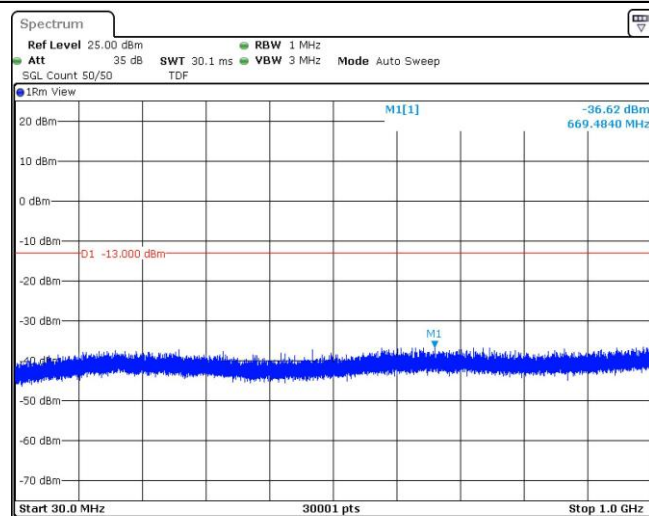
GSM1900-512-0-0.009~0.15MHz



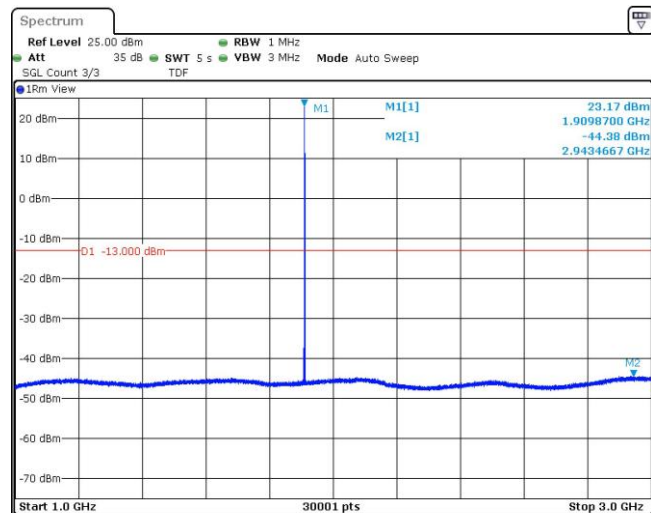
GSM1900-512-0-0.15~30MHz



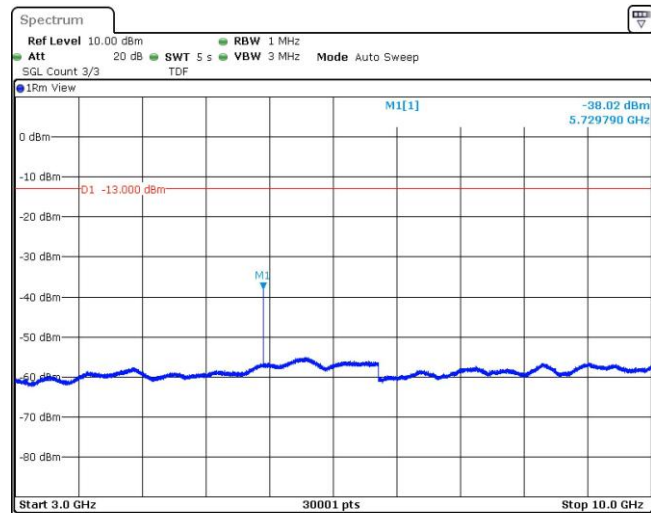
GSM1900-512-0-30~1000MHz



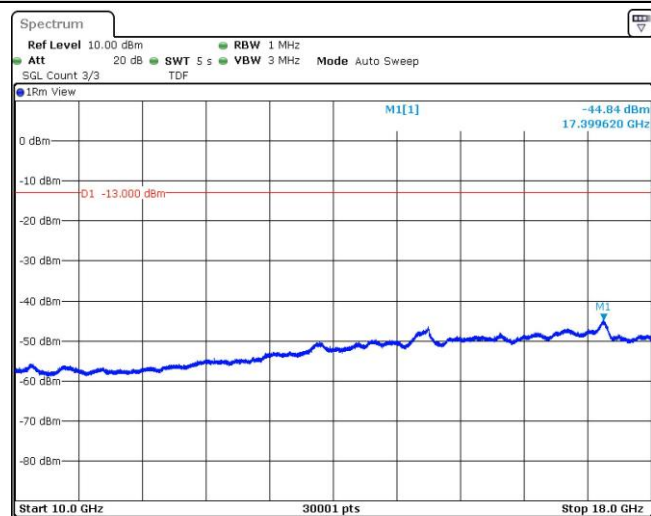
GSM1900-512-0-1000~3000MHz



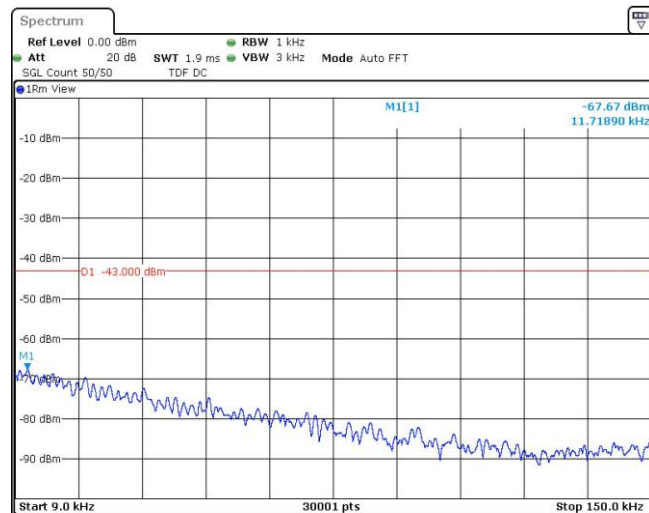
GSM1900-512-0-3000~10000MHz



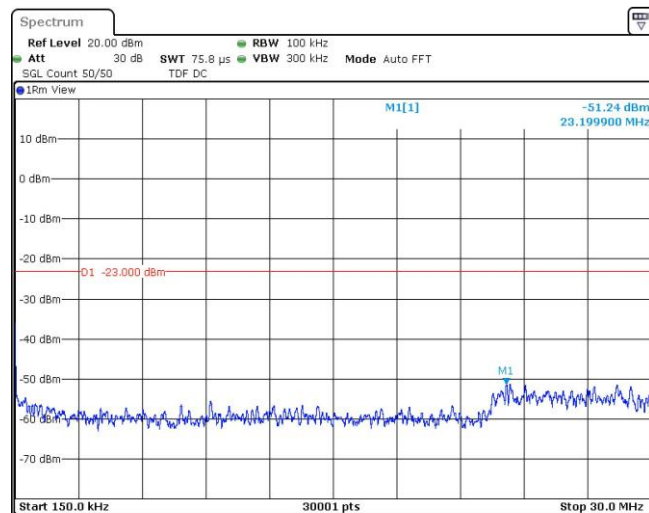
GSM1900-512-0-10000~18000MHz



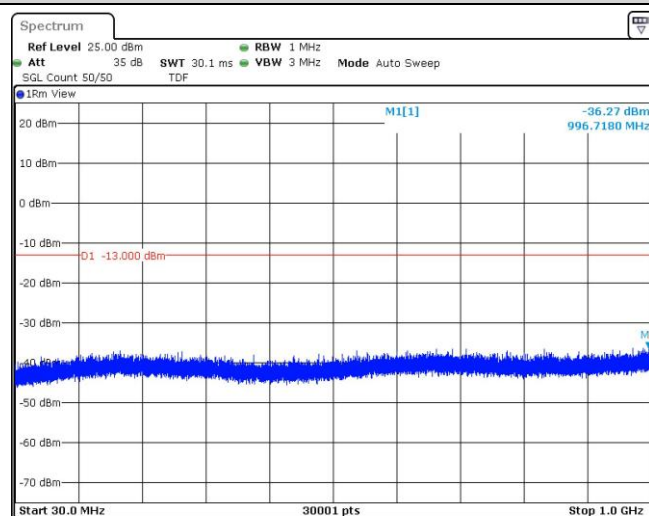
GSM1900-661-0-0.009~0.15MHz



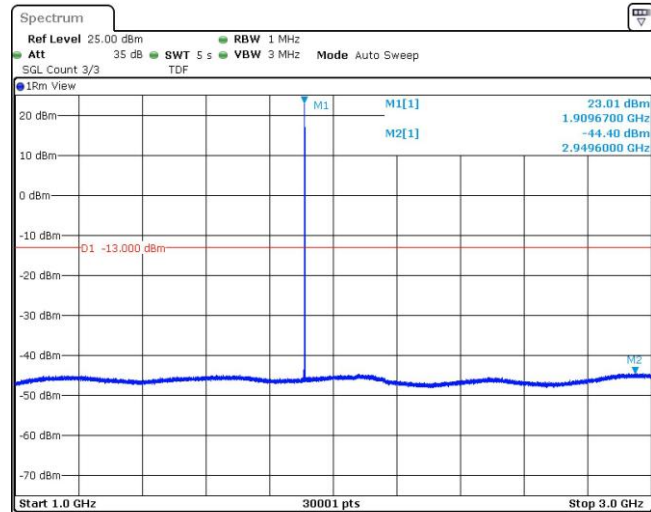
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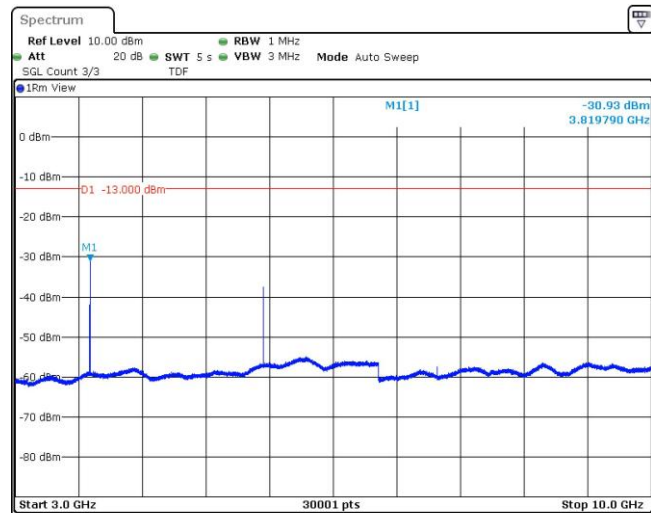
GSM1900-661-0-30~1000MHz



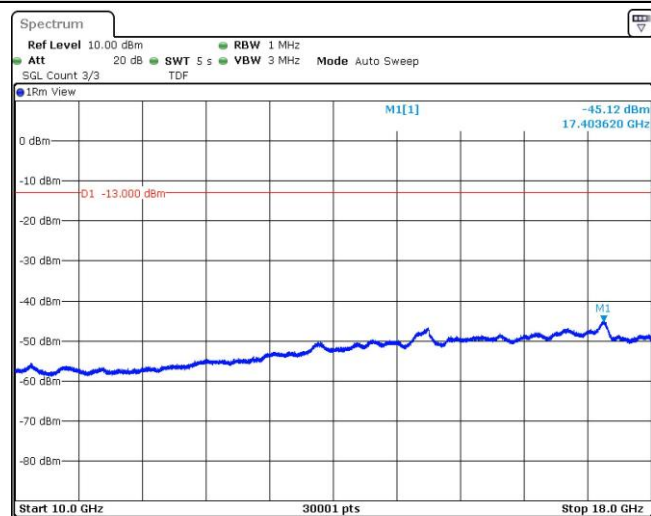
GSM1900-661-0-1000~3000MHz



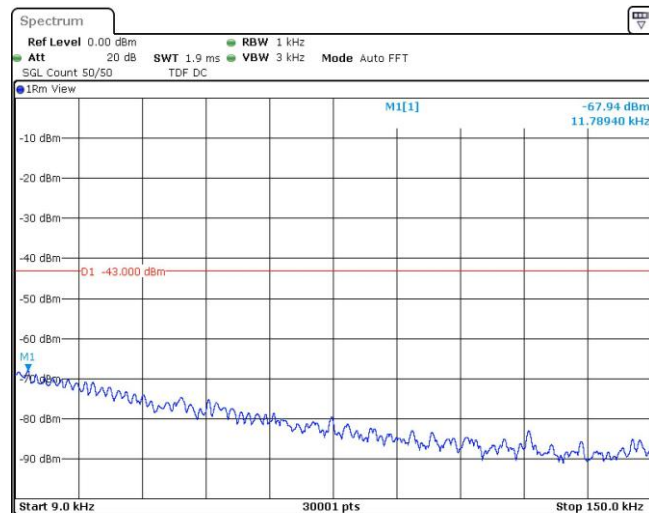
GSM1900-661-0-3000~10000MHz



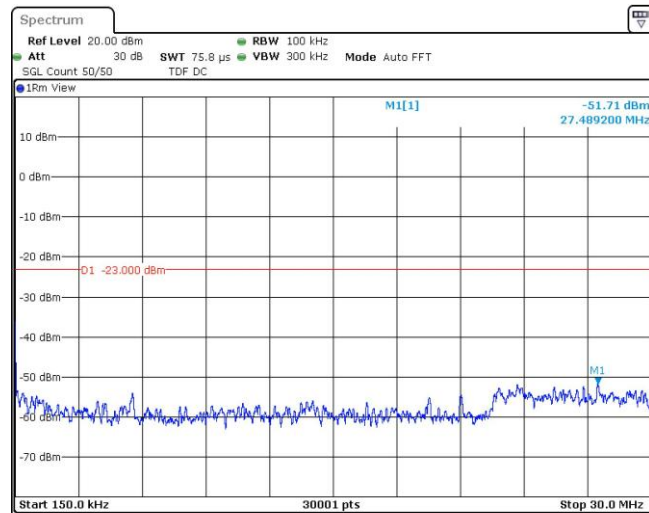
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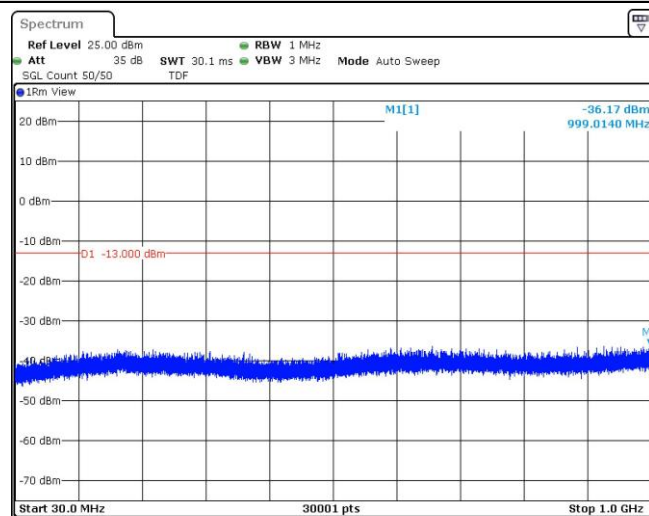
GSM1900-810-0-0.009~0.15MHz



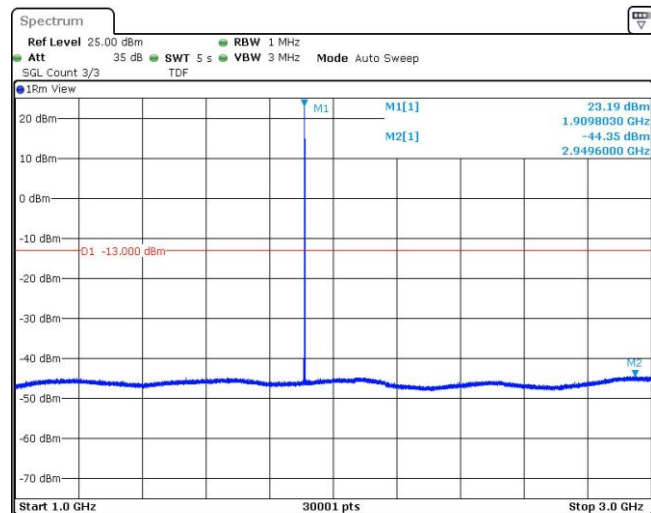
GSM1900-810-0-0.15~30MHz



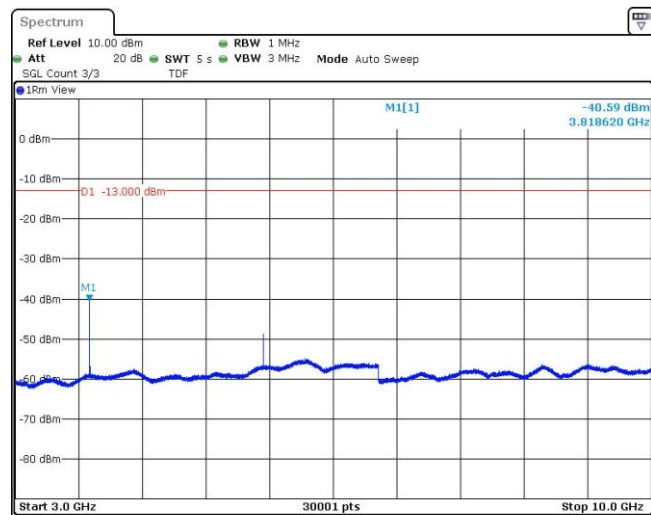
GSM1900-810-0-30~1000MHz



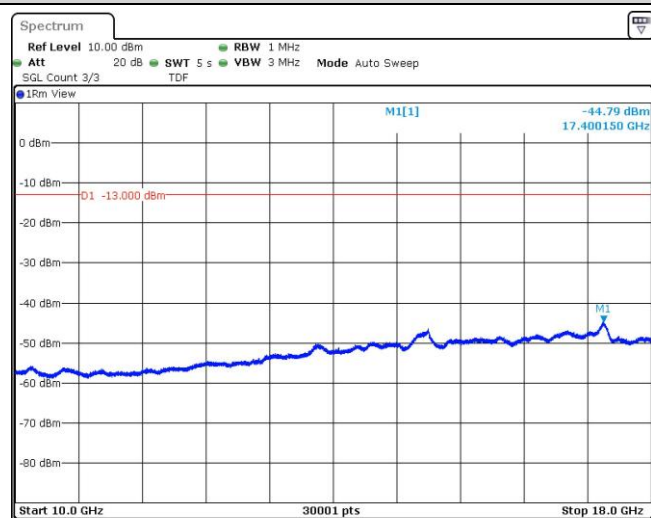
GSM1900-810-0-1000~3000MHz



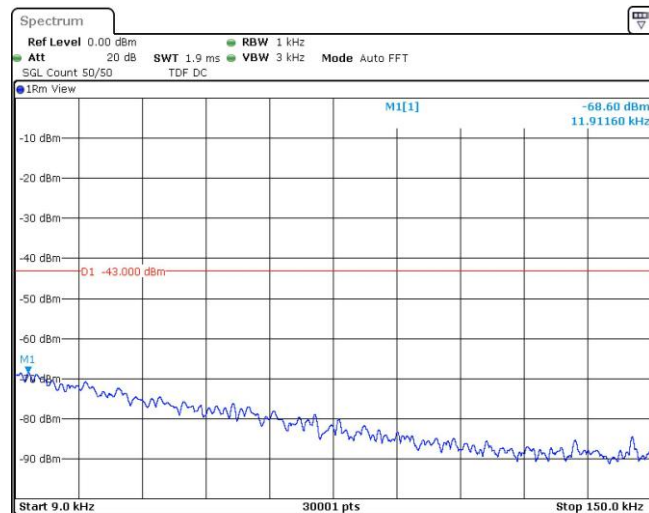
GSM1900-810-0-3000~10000MHz



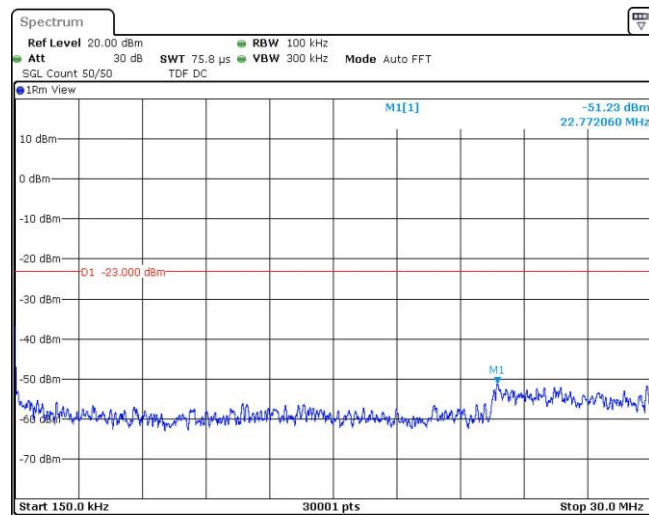
GSM1900-810-0-10000~18000MHz



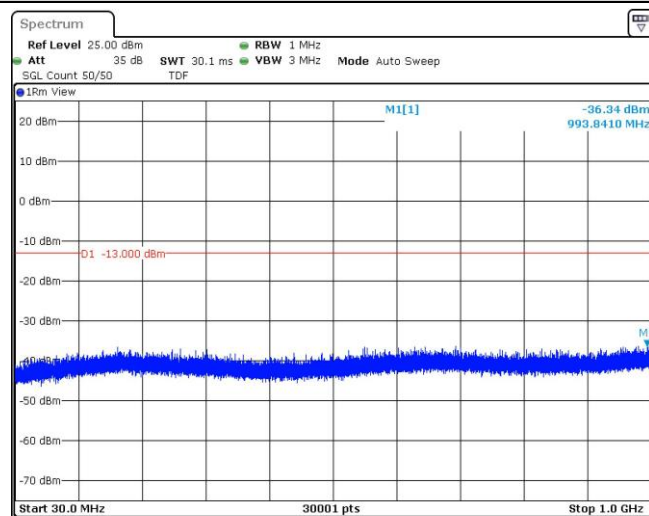
GPRS1900-512-0-0.009~0.15MHz



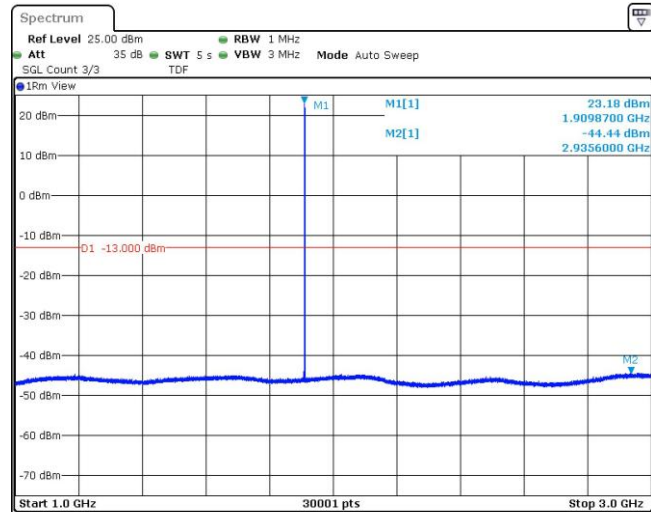
GPRS1900-512-0-0.15~30MHz



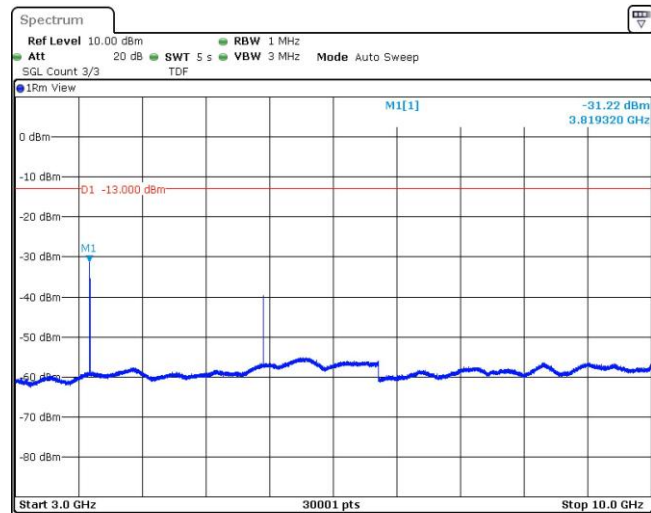
GPRS1900-512-0-30~1000MHz



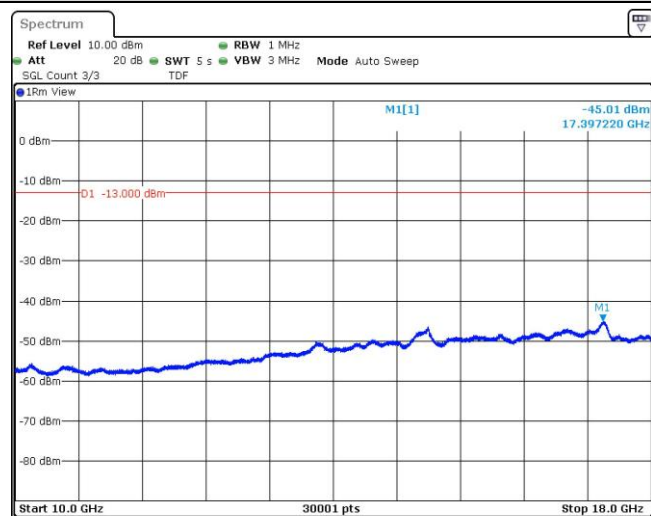
GPRS1900-512-0-1000~3000MHz



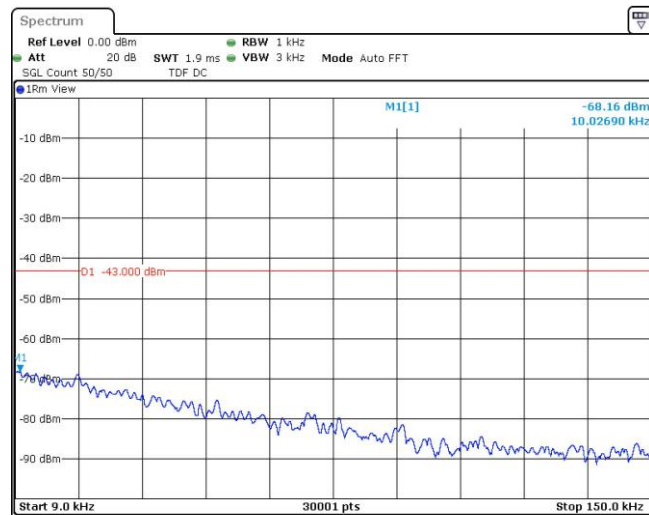
GPRS1900-512-0-3000~10000MHz



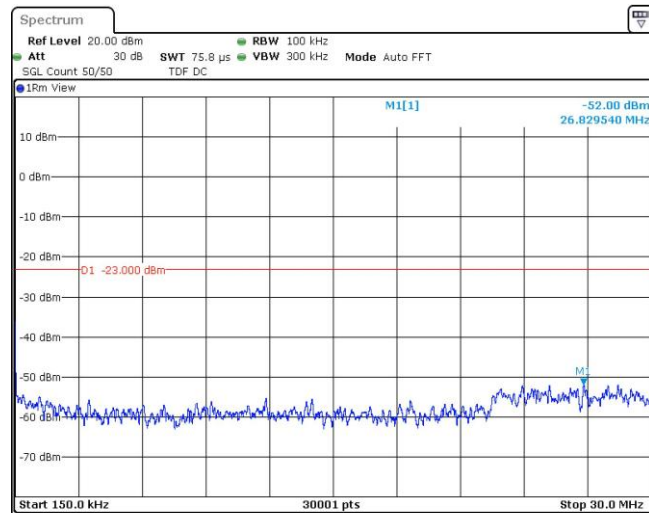
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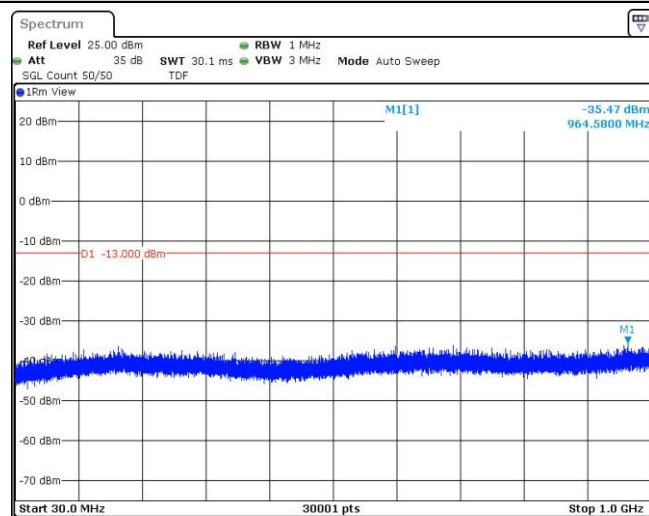
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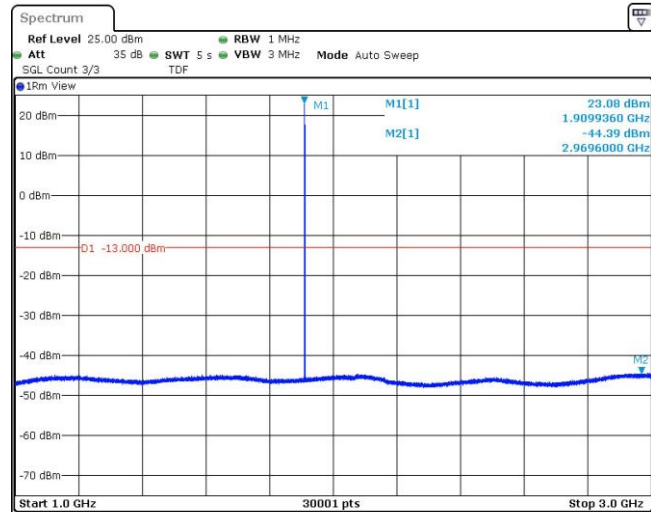
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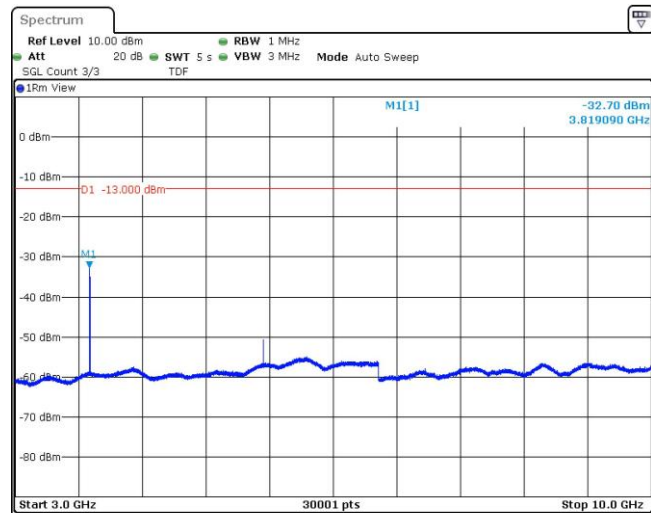
GPRS1900-661-0-30~1000MHz



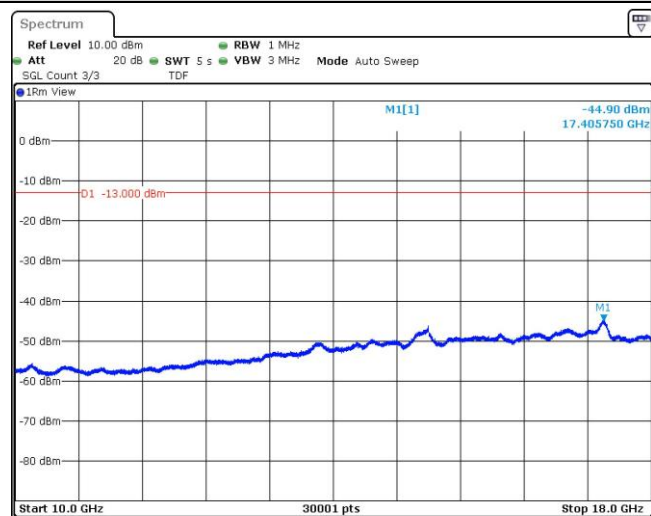
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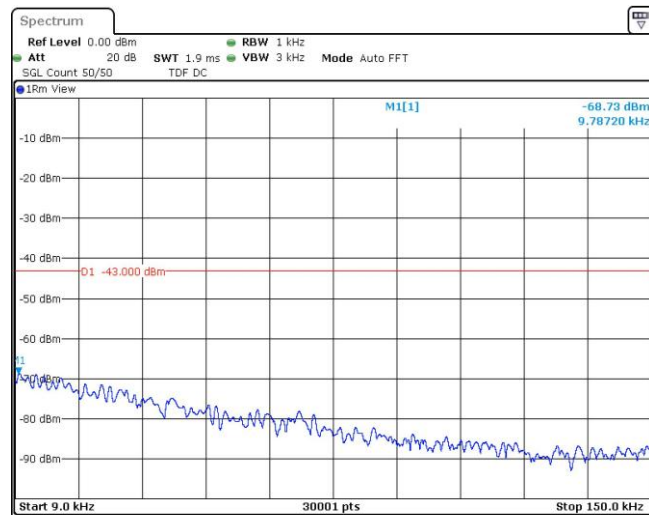
GPRS1900-661-0-3000~10000MHz



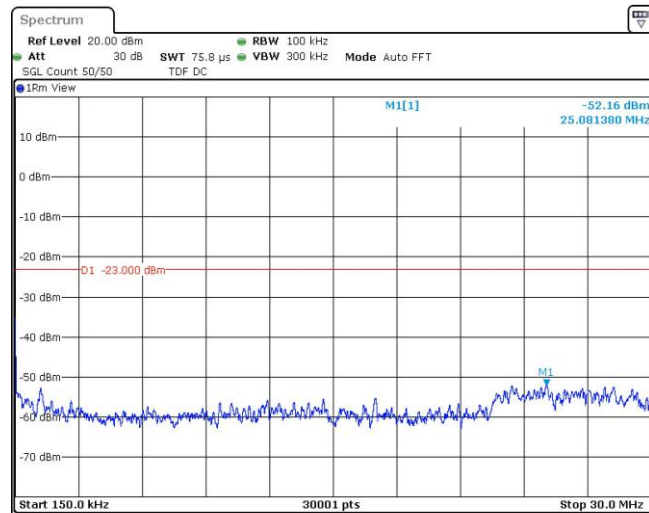
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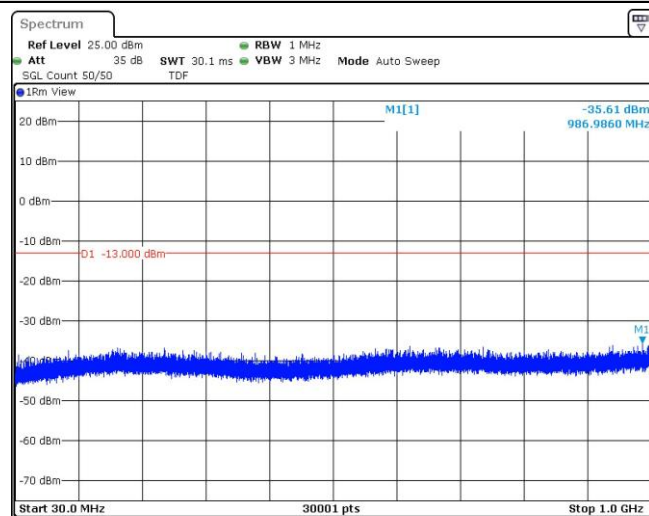
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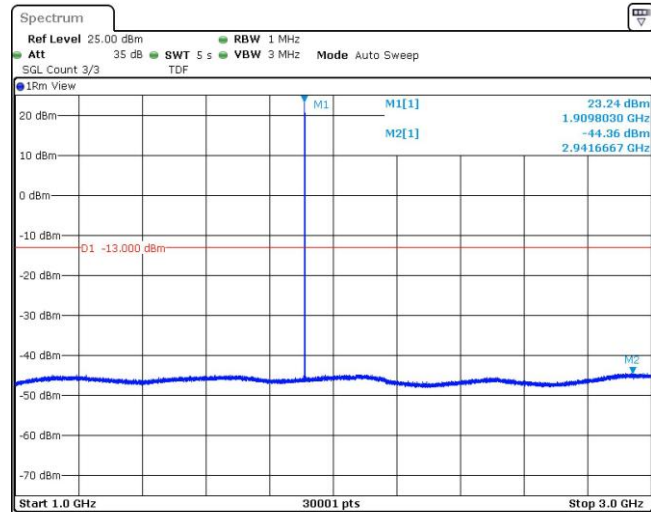
GPRS1900-810-0-0.15~30MHz



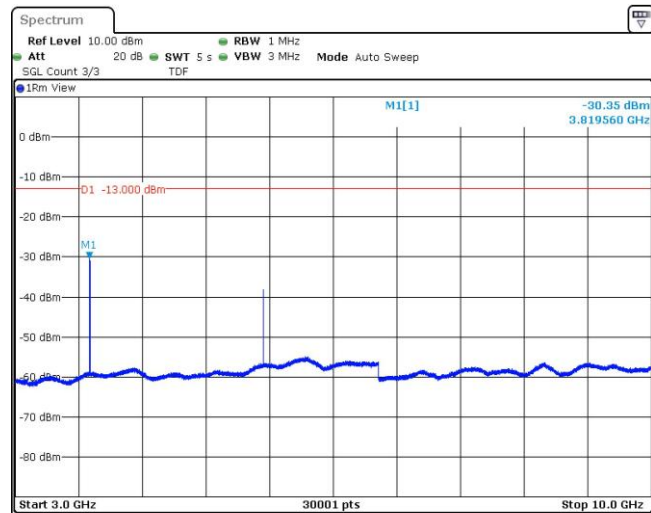
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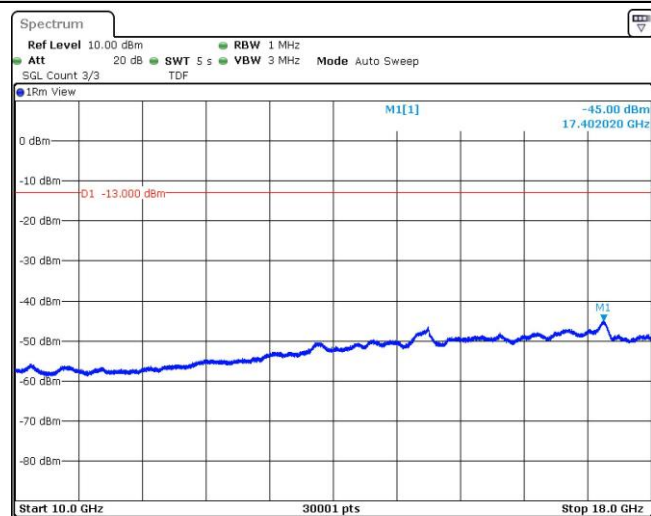
GPRS1900-810-0-1000~3000MHz



GPRS1900-810-0-3000~10000MHz



GPRS1900-810-0-10000~18000MHz



Appendix F: Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	VL	NT	11.93	0.014475	±2.5	PASS
GSM850	128	VN	NT	8.23	0.009985	±2.5	PASS
GSM850	128	VH	NT	10.84	0.013152	±2.5	PASS
GSM850	190	VL	NT	14.43	0.017248	±2.5	PASS
GSM850	190	VN	NT	6.78	0.008104	±2.5	PASS
GSM850	190	VH	NT	10.80	0.012909	±2.5	PASS
GSM850	251	VL	NT	8.42	0.009920	±2.5	PASS
GSM850	251	VN	NT	-1.96	-0.002309	±2.5	PASS
GSM850	251	VH	NT	17.06	0.020099	±2.5	PASS
GPRS850	128	VL	NT	4.07	0.004938	±2.5	PASS
GPRS850	128	VN	NT	10.67	0.012946	±2.5	PASS
GPRS850	128	VH	NT	4.86	0.005897	±2.5	PASS
GPRS850	190	VL	NT	6.51	0.007781	±2.5	PASS
GPRS850	190	VN	NT	8.71	0.010411	±2.5	PASS
GPRS850	190	VH	NT	9.91	0.011846	±2.5	PASS
GPRS850	251	VL	NT	2.65	0.003122	±2.5	PASS
GPRS850	251	VN	NT	7.50	0.008836	±2.5	PASS
GPRS850	251	VH	NT	6.18	0.007281	±2.5	PASS
GSM1900	512	VL	NT	12.35	0.006675	±2.5	PASS
GSM1900	512	VN	NT	24.52	0.013253	±2.5	PASS
GSM1900	512	VH	NT	10.86	0.005870	±2.5	PASS
GSM1900	661	VL	NT	21.41	0.011388	±2.5	PASS
GSM1900	661	VN	NT	26.35	0.014016	±2.5	PASS
GSM1900	661	VH	NT	21.05	0.011197	±2.5	PASS
GSM1900	810	VL	NT	20.83	0.010907	±2.5	PASS
GSM1900	810	VN	NT	29.55	0.015473	±2.5	PASS
GSM1900	810	VH	NT	18.76	0.009823	±2.5	PASS
GPRS1900	512	VL	NT	12.44	0.006724	±2.5	PASS
GPRS1900	512	VN	NT	7.08	0.003827	±2.5	PASS
GPRS1900	512	VH	NT	6.99	0.003778	±2.5	PASS
GPRS1900	661	VL	NT	20.87	0.011101	±2.5	PASS
GPRS1900	661	VN	NT	13.84	0.007362	±2.5	PASS
GPRS1900	661	VH	NT	12.09	0.006431	±2.5	PASS
GPRS1900	810	VL	NT	5.53	0.002896	±2.5	PASS
GPRS1900	810	VN	NT	0.60	0.000314	±2.5	PASS

GPRS1900	810	VH	NT	5.17	0.002707	±2.5	PASS
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Temperature							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	NV	-30	9.32	0.011308	±2.5	PASS
GSM850	128	NV	-20	10.55	0.012800	±2.5	PASS
GSM850	128	NV	-10	9.75	0.011830	±2.5	PASS
GSM850	128	NV	0	2.99	0.003628	±2.5	PASS
GSM850	128	NV	10	8.43	0.010228	±2.5	PASS
GSM850	128	NV	20	7.12	0.008639	±2.5	PASS
GSM850	128	NV	30	19.21	0.023307	±2.5	PASS
GSM850	128	NV	40	6.50	0.007886	±2.5	PASS
GSM850	128	NV	50	7.05	0.008554	±2.5	PASS
GSM850	190	NV	-30	7.70	0.009204	±2.5	PASS
GSM850	190	NV	-20	8.21	0.009814	±2.5	PASS
GSM850	190	NV	-10	20.17	0.024109	±2.5	PASS
GSM850	190	NV	0	19.51	0.023321	±2.5	PASS
GSM850	190	NV	10	12.96	0.015491	±2.5	PASS
GSM850	190	NV	20	13.28	0.015874	±2.5	PASS
GSM850	190	NV	30	17.36	0.020751	±2.5	PASS
GSM850	190	NV	40	10.42	0.012455	±2.5	PASS
GSM850	190	NV	50	10.00	0.011953	±2.5	PASS
GSM850	251	NV	-30	9.76	0.011499	±2.5	PASS
GSM850	251	NV	-20	14.01	0.016506	±2.5	PASS
GSM850	251	NV	-10	6.82	0.008035	±2.5	PASS
GSM850	251	NV	0	15.86	0.018685	±2.5	PASS
GSM850	251	NV	10	10.29	0.012123	±2.5	PASS
GSM850	251	NV	20	10.64	0.012535	±2.5	PASS
GSM850	251	NV	30	12.84	0.015127	±2.5	PASS
GSM850	251	NV	40	7.17	0.008447	±2.5	PASS
GSM850	251	NV	50	11.25	0.013254	±2.5	PASS
GPRS850	128	NV	-30	5.18	0.006285	±2.5	PASS
GPRS850	128	NV	-20	4.97	0.006030	±2.5	PASS
GPRS850	128	NV	-10	3.19	0.003870	±2.5	PASS
GPRS850	128	NV	0	7.12	0.008639	±2.5	PASS
GPRS850	128	NV	10	9.38	0.011381	±2.5	PASS
GPRS850	128	NV	20	5.74	0.006964	±2.5	PASS
GPRS850	128	NV	30	6.87	0.008335	±2.5	PASS
GPRS850	128	NV	40	4.23	0.005132	±2.5	PASS
GPRS850	128	NV	50	5.68	0.006892	±2.5	PASS

GPRS850	190	NV	-30	5.39	0.006443	±2.5	PASS
GPRS850	190	NV	-20	5.12	0.006120	±2.5	PASS
GPRS850	190	NV	-10	4.64	0.005546	±2.5	PASS
GPRS850	190	NV	0	7.60	0.009084	±2.5	PASS
GPRS850	190	NV	10	4.18	0.004996	±2.5	PASS
GPRS850	190	NV	20	8.46	0.010112	±2.5	PASS
GPRS850	190	NV	30	10.83	0.012945	±2.5	PASS
GPRS850	190	NV	40	8.12	0.009706	±2.5	PASS
GPRS850	190	NV	50	6.90	0.008248	±2.5	PASS
GPRS850	251	NV	-30	4.78	0.005631	±2.5	PASS
GPRS850	251	NV	-20	4.16	0.004901	±2.5	PASS
GPRS850	251	NV	-10	3.46	0.004076	±2.5	PASS
GPRS850	251	NV	0	3.28	0.003864	±2.5	PASS
GPRS850	251	NV	10	6.23	0.007340	±2.5	PASS
GPRS850	251	NV	20	7.20	0.008483	±2.5	PASS
GPRS850	251	NV	30	3.00	0.003534	±2.5	PASS
GPRS850	251	NV	40	8.03	0.009460	±2.5	PASS
GPRS850	251	NV	50	2.91	0.003428	±2.5	PASS
GSM1900	512	NV	-30	10.83	0.005853	±2.5	PASS
GSM1900	512	NV	-20	17.41	0.009410	±2.5	PASS
GSM1900	512	NV	-10	13.34	0.007210	±2.5	PASS
GSM1900	512	NV	0	23.59	0.012750	±2.5	PASS
GSM1900	512	NV	10	11.01	0.005951	±2.5	PASS
GSM1900	512	NV	20	21.71	0.011734	±2.5	PASS
GSM1900	512	NV	30	24.10	0.013026	±2.5	PASS
GSM1900	512	NV	40	19.62	0.010604	±2.5	PASS
GSM1900	512	NV	50	31.54	0.017047	±2.5	PASS
GSM1900	661	NV	-30	20.06	0.010670	±2.5	PASS
GSM1900	661	NV	-20	16.89	0.008984	±2.5	PASS
GSM1900	661	NV	-10	22.14	0.011777	±2.5	PASS
GSM1900	661	NV	0	21.68	0.011532	±2.5	PASS
GSM1900	661	NV	10	33.63	0.017888	±2.5	PASS
GSM1900	661	NV	20	13.35	0.007101	±2.5	PASS
GSM1900	661	NV	30	18.50	0.009840	±2.5	PASS
GSM1900	661	NV	40	17.55	0.009335	±2.5	PASS
GSM1900	661	NV	50	13.40	0.007128	±2.5	PASS
GSM1900	810	NV	-30	18.68	0.009781	±2.5	PASS
GSM1900	810	NV	-20	24.19	0.012666	±2.5	PASS
GSM1900	810	NV	-10	20.56	0.010766	±2.5	PASS
GSM1900	810	NV	0	20.18	0.010567	±2.5	PASS
GSM1900	810	NV	10	24.14	0.012640	±2.5	PASS

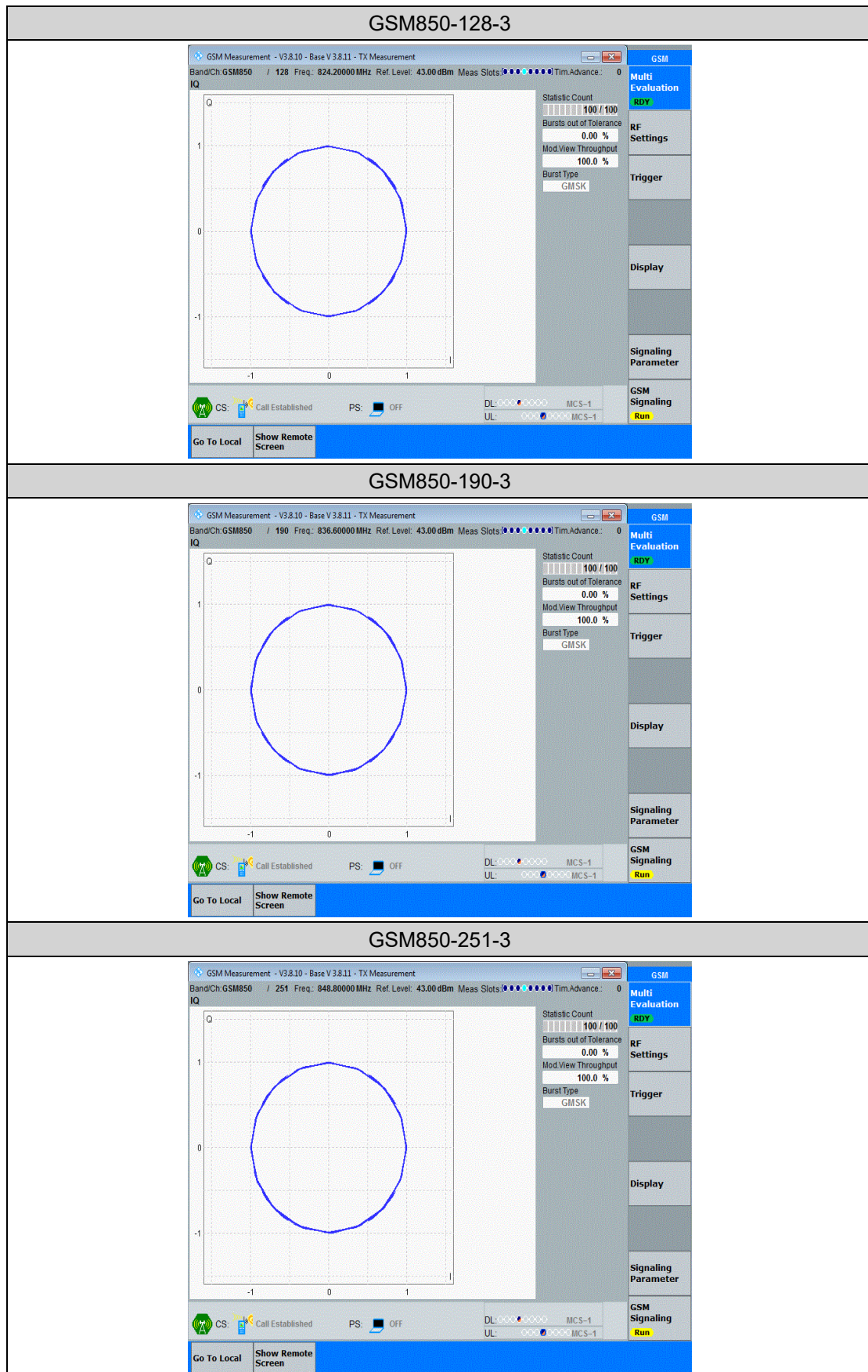
GSM1900	810	NV	20	10.06	0.005268	±2.5	PASS
GSM1900	810	NV	30	20.84	0.010912	±2.5	PASS
GSM1900	810	NV	40	22.32	0.011687	±2.5	PASS
GSM1900	810	NV	50	33.59	0.017588	±2.5	PASS
GPRS1900	512	NV	-30	9.93	0.005367	±2.5	PASS
GPRS1900	512	NV	-20	18.03	0.009745	±2.5	PASS
GPRS1900	512	NV	-10	11.99	0.006480	±2.5	PASS
GPRS1900	512	NV	0	21.42	0.011577	±2.5	PASS
GPRS1900	512	NV	10	29.78	0.016096	±2.5	PASS
GPRS1900	512	NV	20	24.68	0.013339	±2.5	PASS
GPRS1900	512	NV	30	22.29	0.012047	±2.5	PASS
GPRS1900	512	NV	40	5.10	0.002756	±2.5	PASS
GPRS1900	512	NV	50	10.95	0.005918	±2.5	PASS
GPRS1900	661	NV	-30	17.07	0.009080	±2.5	PASS
GPRS1900	661	NV	-20	21.58	0.011479	±2.5	PASS
GPRS1900	661	NV	-10	15.73	0.008367	±2.5	PASS
GPRS1900	661	NV	0	1.67	0.000888	±2.5	PASS
GPRS1900	661	NV	10	3.28	0.001745	±2.5	PASS
GPRS1900	661	NV	20	4.11	0.002186	±2.5	PASS
GPRS1900	661	NV	30	-1.45	-0.000771	±2.5	PASS
GPRS1900	661	NV	40	16.88	0.008979	±2.5	PASS
GPRS1900	661	NV	50	6.61	0.003516	±2.5	PASS
GPRS1900	810	NV	-30	13.52	0.007079	±2.5	PASS
GPRS1900	810	NV	-20	11.58	0.006063	±2.5	PASS
GPRS1900	810	NV	-10	17.98	0.009415	±2.5	PASS
GPRS1900	810	NV	0	12.34	0.006461	±2.5	PASS
GPRS1900	810	NV	10	22.75	0.011912	±2.5	PASS
GPRS1900	810	NV	20	16.01	0.008383	±2.5	PASS
GPRS1900	810	NV	30	17.99	0.009420	±2.5	PASS
GPRS1900	810	NV	40	17.36	0.009090	±2.5	PASS
GPRS1900	810	NV	50	15.04	0.007875	±2.5	PASS

Appendix G: Modulation Characteristics

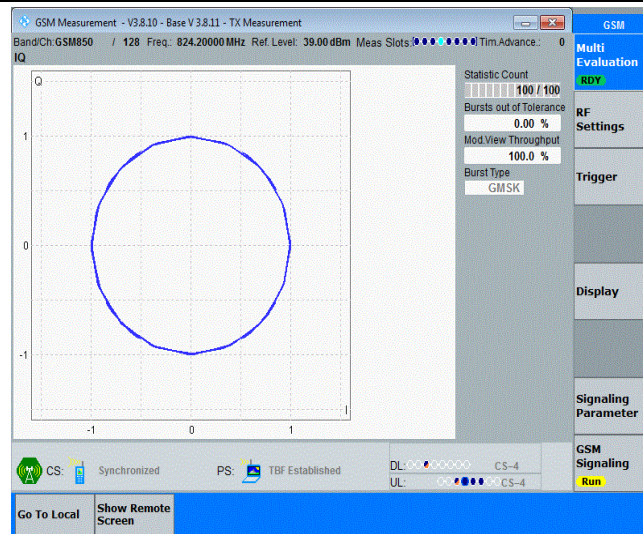
Test Result

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
GSM1900	512	PASS	PASS
GSM1900	661	PASS	PASS
GSM1900	810	PASS	PASS
GPRS1900	512	PASS	PASS
GPRS1900	661	PASS	PASS
GPRS1900	810	PASS	PASS

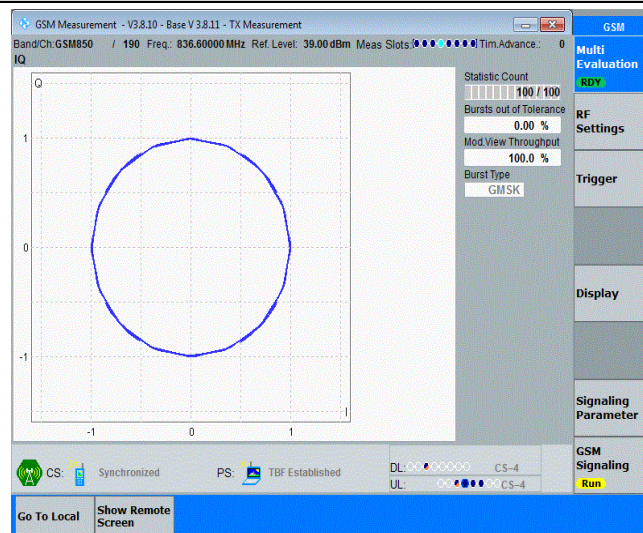
Test Graphs



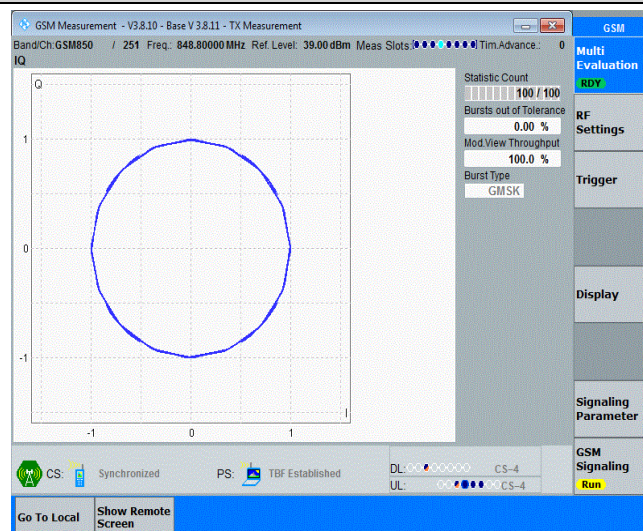
GPRS850-128-3



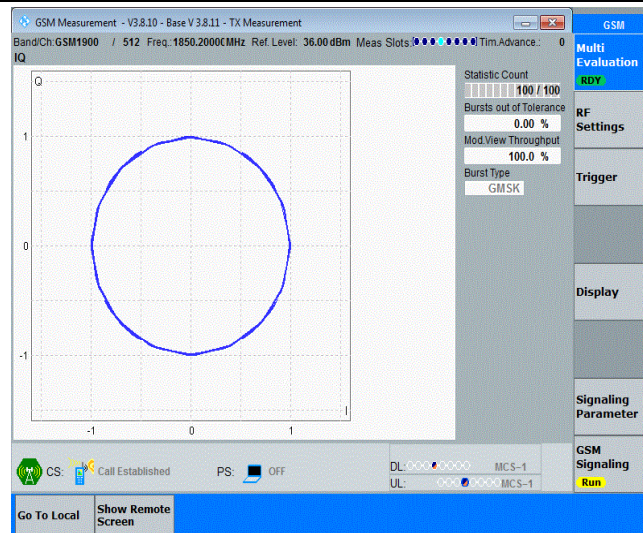
GPRS850-190-3



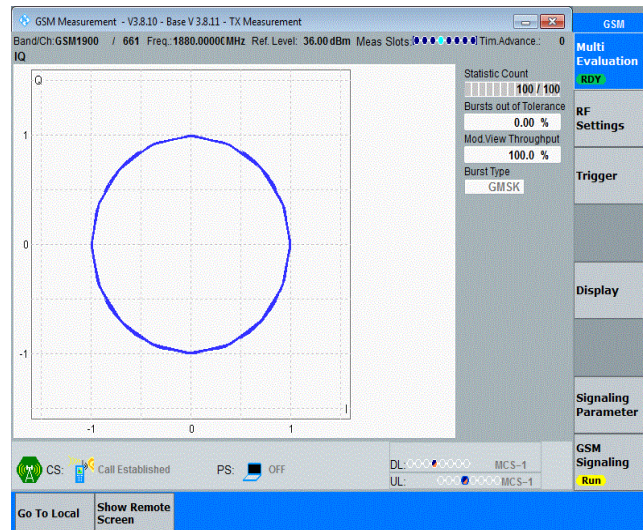
GPRS850-251-3



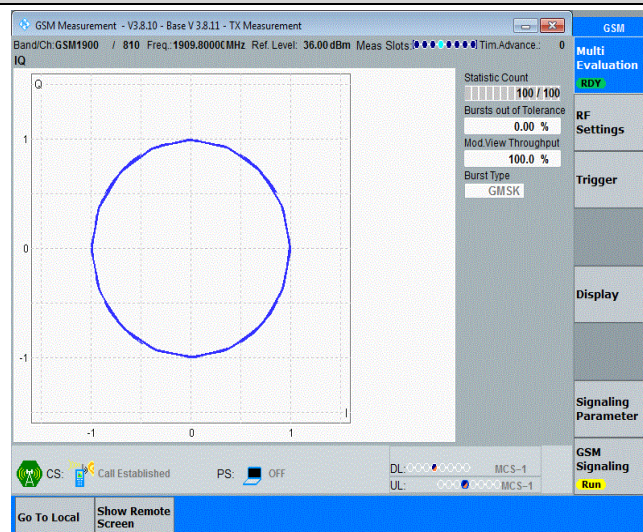
GSM1900-512-0



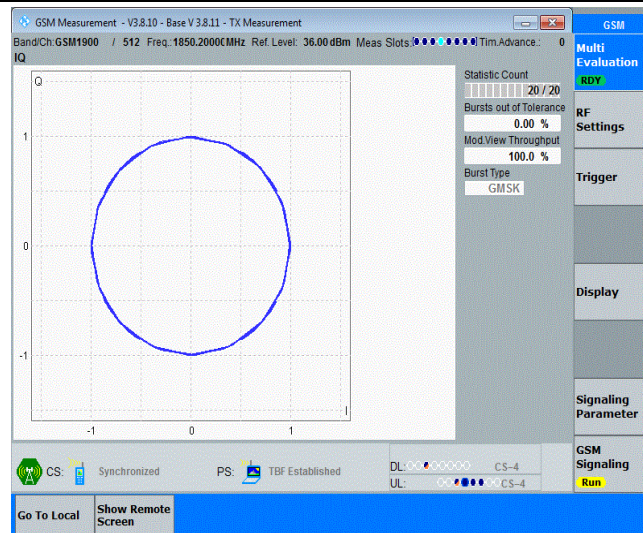
GSM1900-661-0



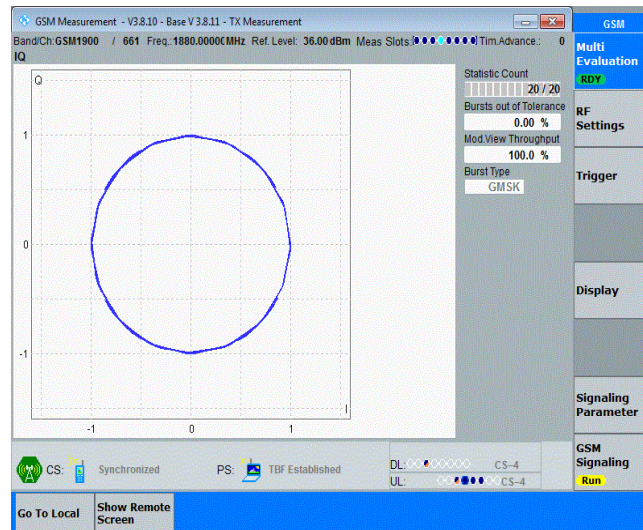
GSM1900-810-0



GPRS1900-512-0



GPRS1900-661-0



GPRS1900-810-0

