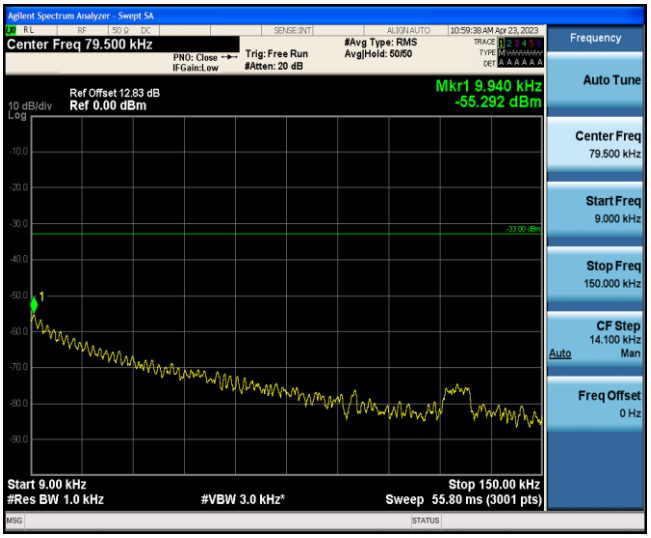
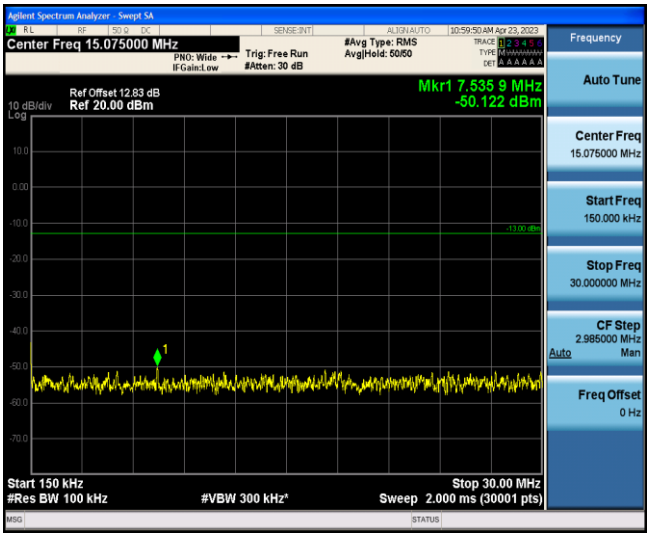
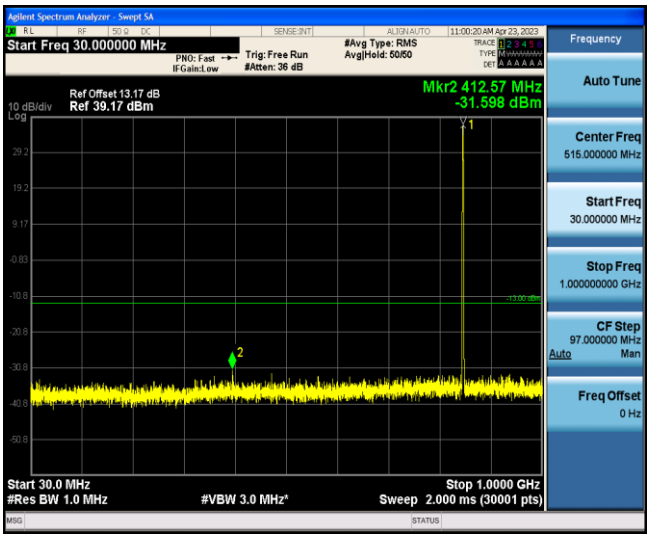


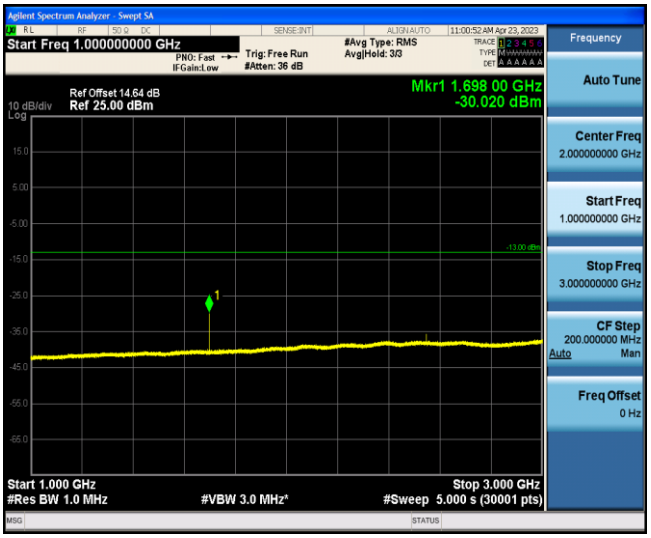
GPRS850-128-3-0.15~30MHz



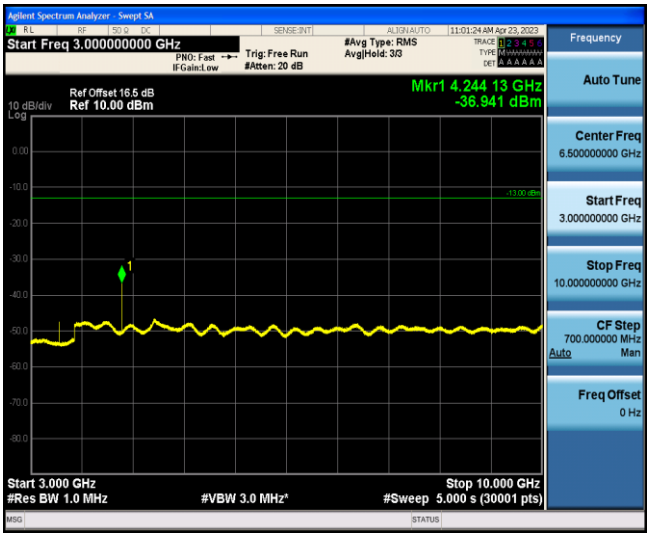
GPRS850-128-3-30~1000MHz



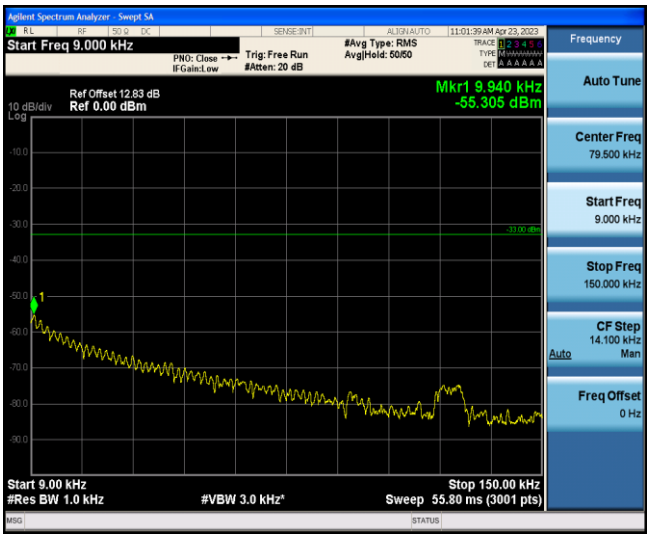
GPRS850-128-3-1000~3000MHz



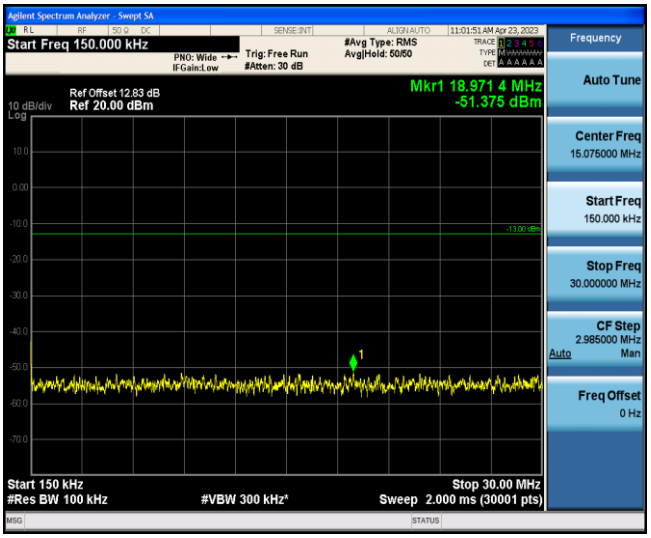
GPRS850-128-3-3000~10000MHz



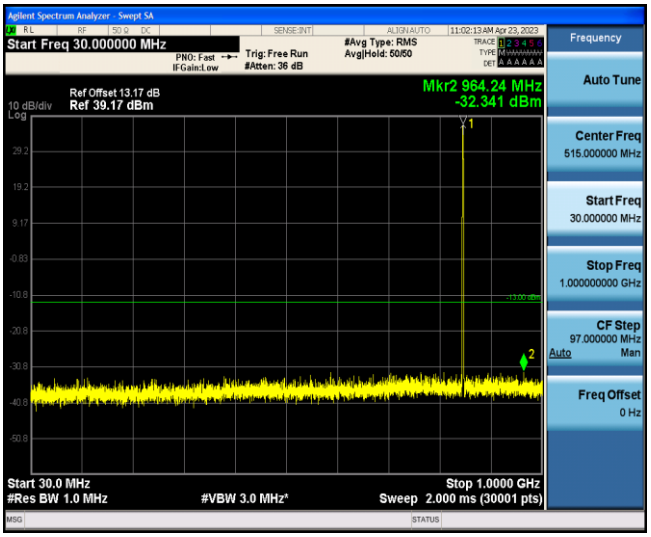
GPRS850-190-3-0.009~0.15MHz



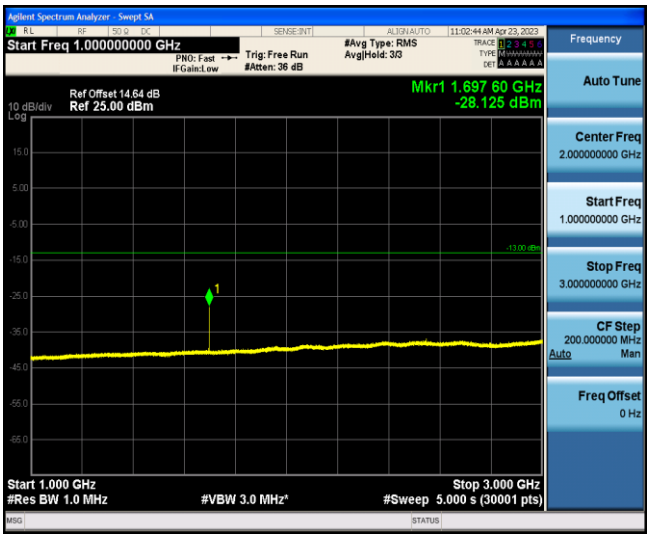
GPRS850-190-3-0.15~30MHz



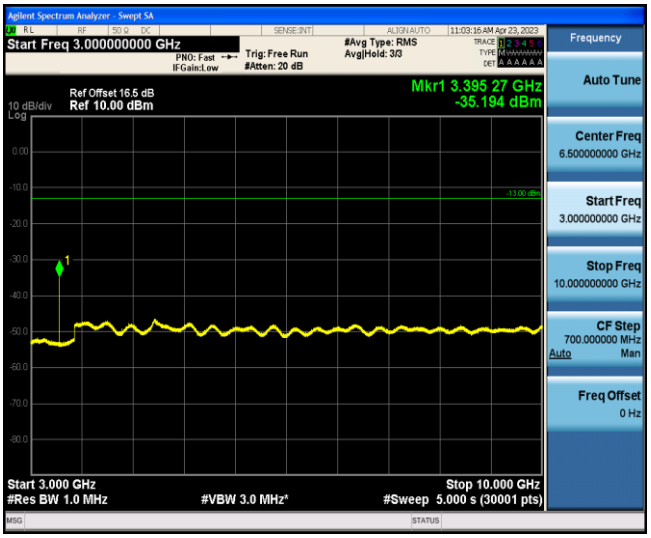
GPRS850-190-3-30~1000MHz



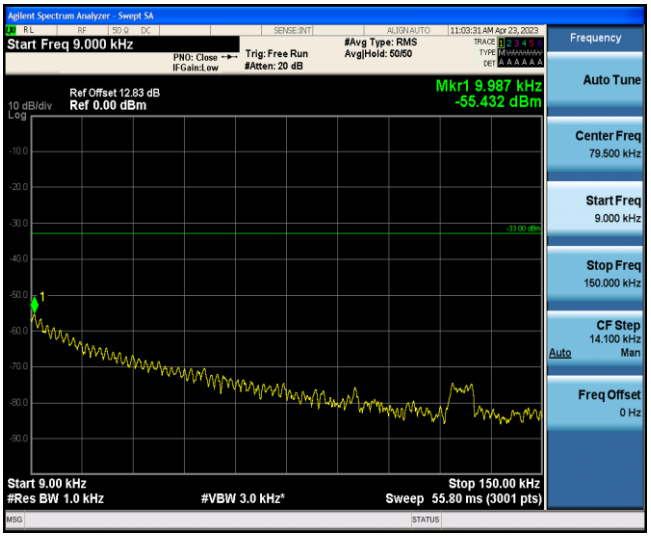
GPRS850-190-3-1000~3000MHz



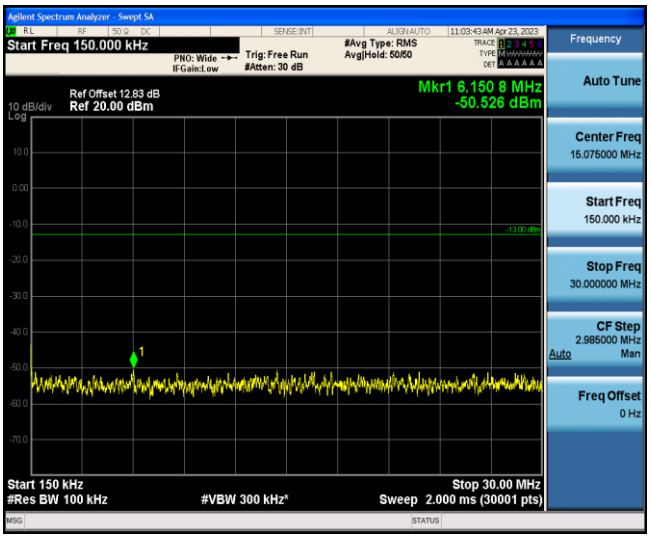
GPRS850-190-3-3000~10000MHz



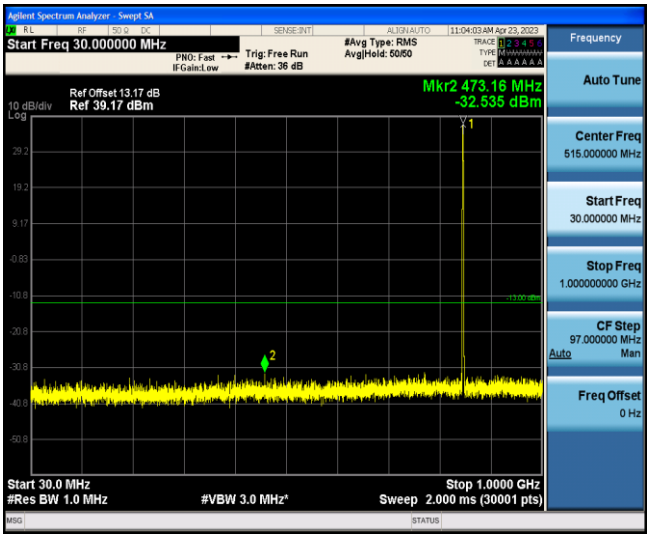
GPRS850-251-3-0.009~0.15MHz



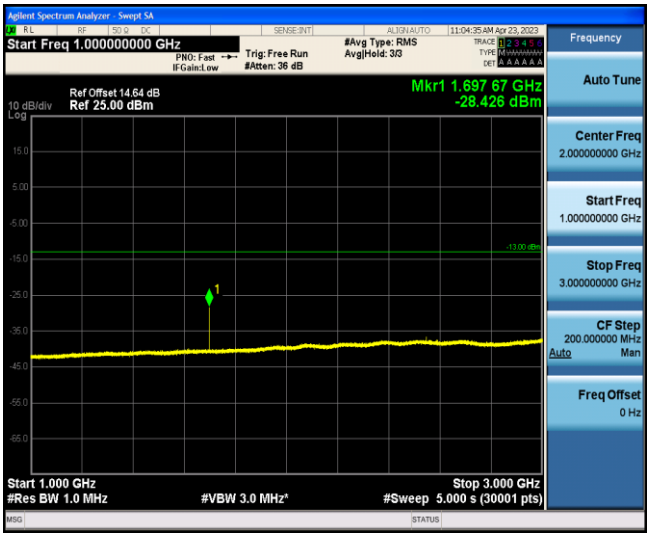
GPRS850-251-3-0.15~30MHz



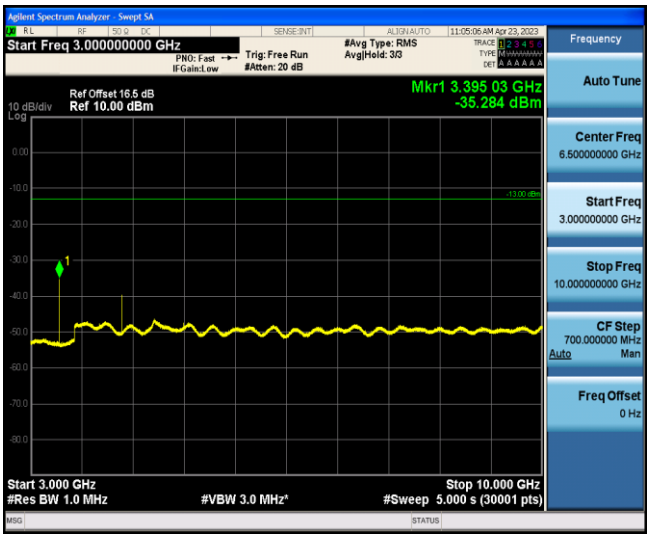
GPRS850-251-3-30~1000MHz



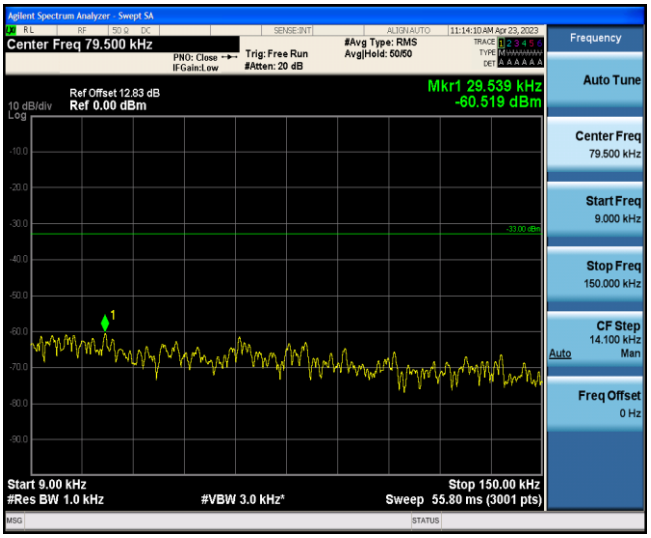
GPRS850-251-3-1000~3000MHz



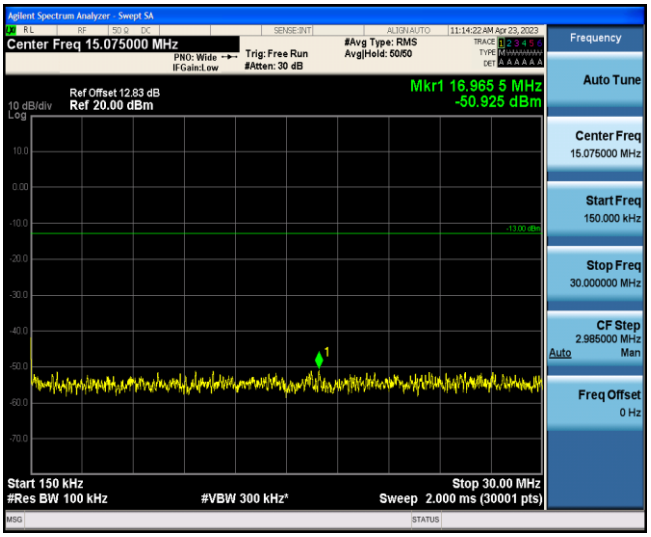
GPRS850-251-3-3000~10000MHz



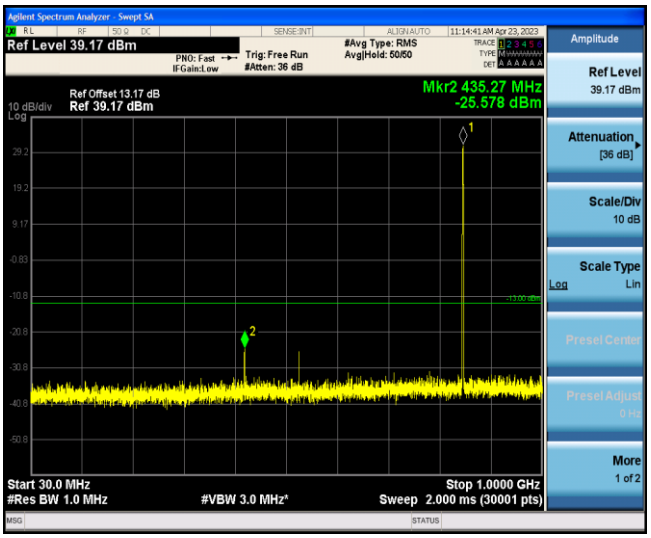
EGPRS850-128-8-0.009~0.15MHz



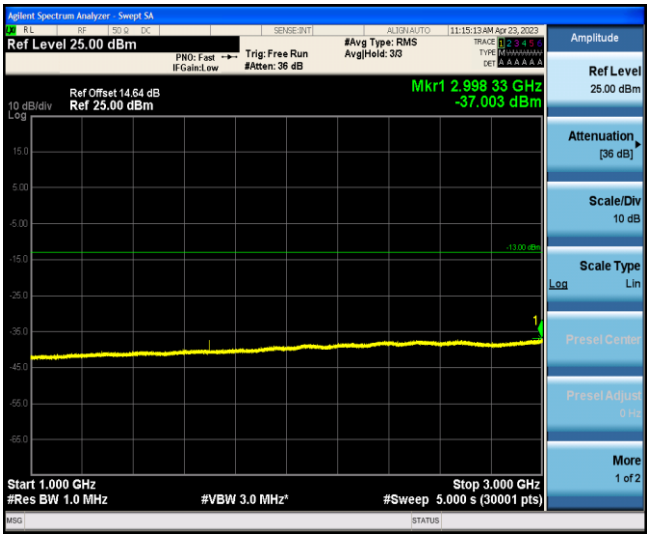
EGPRS850-128-8-0.15~30MHz



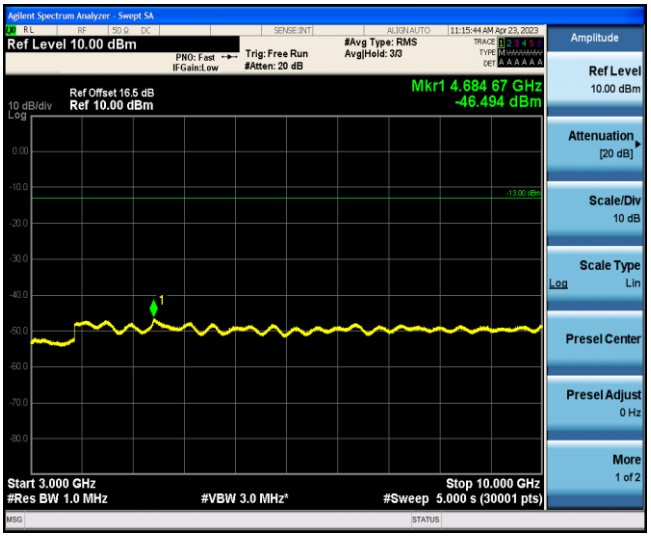
EGPRS850-128-8-30~1000MHz



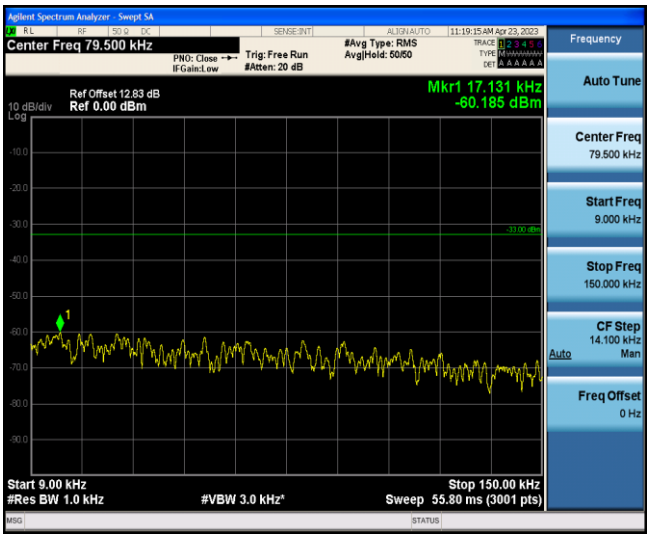
EGPRS850-128-8-1000~3000MHz



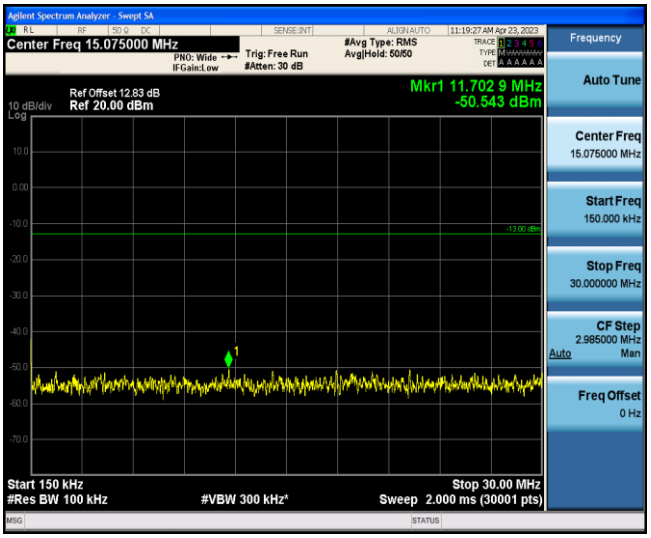
EGPRS850-128-8-3000~10000MHz



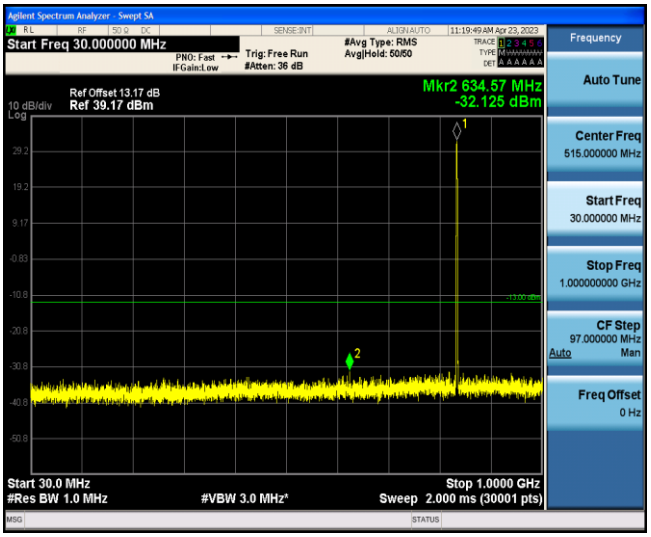
EGPRS850-190-8-0.009~0.15MHz



EGPRS850-190-8-0.15~30MHz

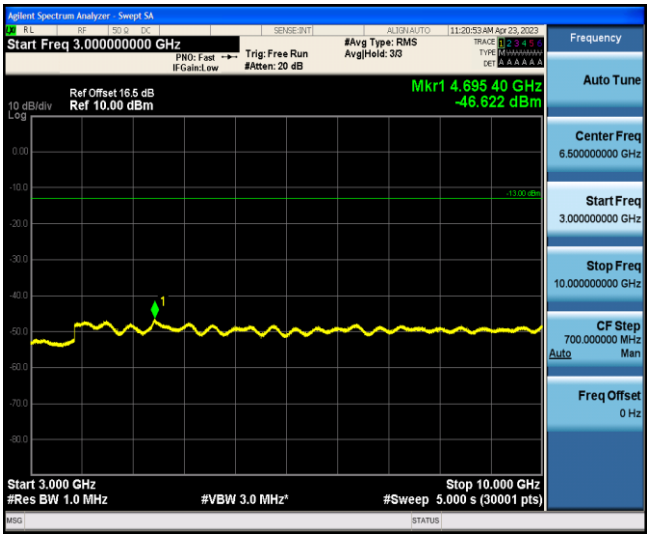


EGPRS850-190-8-30~1000MHz

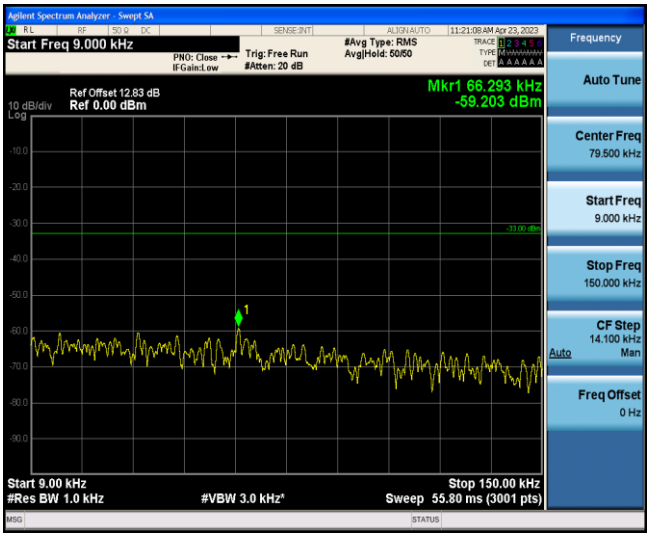


EGPRS850-190-8-1000~3000MHz

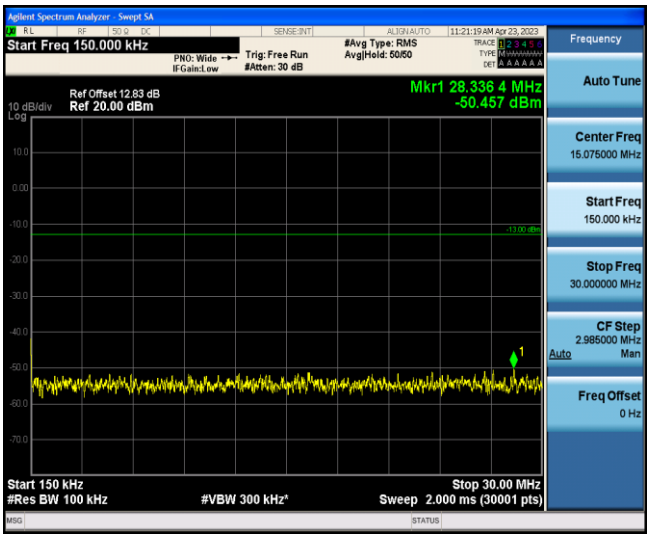
EGPRS850-190-8-3000~10000MHz



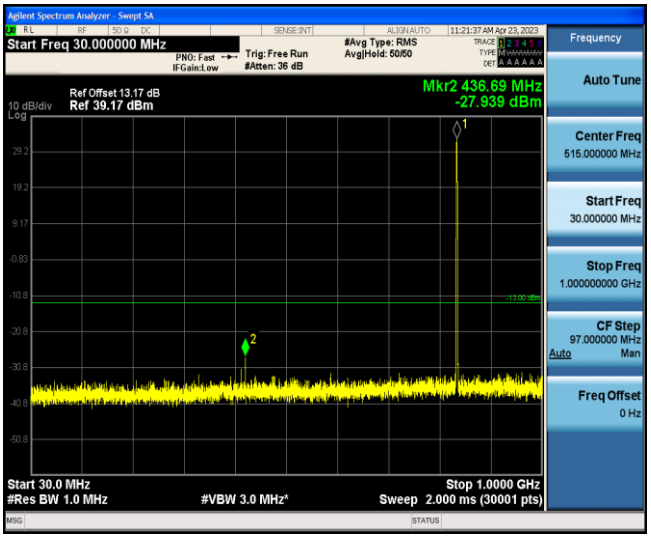
EGPRS850-251-8-0.009~0.15MHz



EGPRS850-251-8-0.15~30MHz

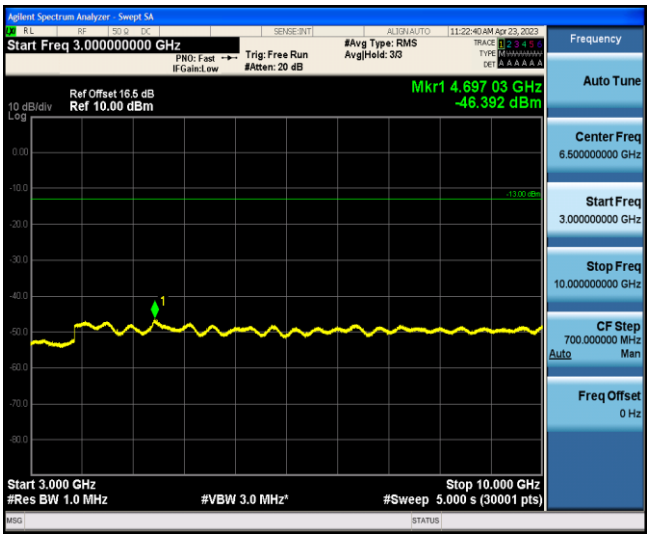


EGPRS850-251-8-30~1000MHz



EGPRS850-251-8-1000~3000MHz

EGPRS850-251-8-3000~10000MHz



Appendix F: Frequency Stability

Test Result

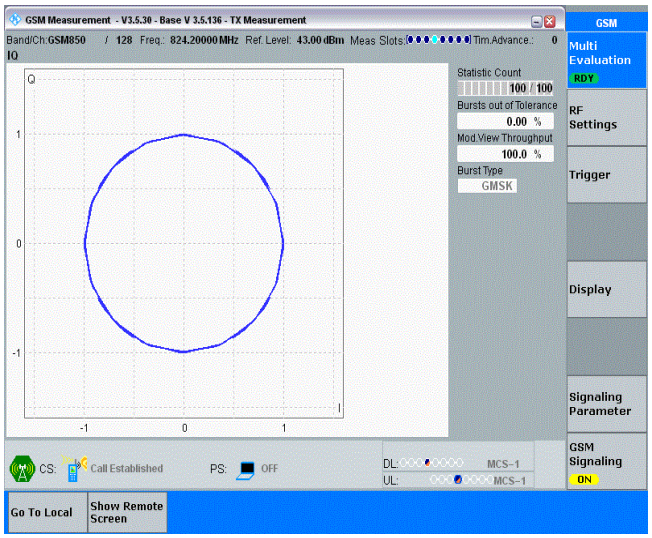
Voltage							
Band	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	VL	NT	0.58	0.000704	±2.5	PASS
GSM850	128	VN	NT	3.03	0.003676	±2.5	PASS
GSM850	128	VH	NT	6.20	0.007522	±2.5	PASS
GSM850	190	VL	NT	13.11	0.015671	±2.5	PASS
GSM850	190	VN	NT	14.43	0.017248	±2.5	PASS
GSM850	190	VH	NT	14.30	0.017093	±2.5	PASS
GSM850	251	VL	NT	5.75	0.006774	±2.5	PASS
GSM850	251	VN	NT	2.65	0.003122	±2.5	PASS
GSM850	251	VH	NT	12.43	0.014644	±2.5	PASS
GPRS850	128	VL	NT	4.52	0.005484	±2.5	PASS
GPRS850	128	VN	NT	7.88	0.009561	±2.5	PASS
GPRS850	128	VH	NT	5.10	0.006188	±2.5	PASS
GPRS850	190	VL	NT	8.56	0.010232	±2.5	PASS
GPRS850	190	VN	NT	18.60	0.022233	±2.5	PASS
GPRS850	190	VH	NT	8.91	0.010650	±2.5	PASS
GPRS850	251	VL	NT	9.62	0.011334	±2.5	PASS
GPRS850	251	VN	NT	17.60	0.020735	±2.5	PASS
GPRS850	251	VH	NT	7.04	0.008294	±2.5	PASS
EGPRS850	128	VL	NT	1.68	0.002038	±2.5	PASS
EGPRS850	128	VN	NT	1.58	0.001917	±2.5	PASS
EGPRS850	128	VH	NT	8.75	0.010616	±2.5	PASS
EGPRS850	190	VL	NT	-3.07	-0.003670	±2.5	PASS
EGPRS850	190	VN	NT	19.37	0.023153	±2.5	PASS
EGPRS850	190	VH	NT	-0.06	-0.000072	±2.5	PASS
EGPRS850	251	VL	NT	12.46	0.014680	±2.5	PASS
EGPRS850	251	VN	NT	14.40	0.016965	±2.5	PASS
EGPRS850	251	VH	NT	15.17	0.017872	±2.5	PASS

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	NV	-30	1.36	0.001650	±2.5	PASS
GSM850	128	NV	-20	3.23	0.003919	±2.5	PASS
GSM850	128	NV	-10	0.90	0.001092	±2.5	PASS
GSM850	128	NV	0	5.13	0.006224	±2.5	PASS
GSM850	128	NV	10	4.94	0.005994	±2.5	PASS
GSM850	128	NV	20	5.20	0.006309	±2.5	PASS
GSM850	128	NV	30	-0.13	-0.000158	±2.5	PASS
GSM850	128	NV	40	8.91	0.010810	±2.5	PASS
GSM850	128	NV	50	4.13	0.005011	±2.5	PASS
GSM850	190	NV	-30	14.69	0.017559	±2.5	PASS
GSM850	190	NV	-20	19.69	0.023536	±2.5	PASS
GSM850	190	NV	-10	7.14	0.008535	±2.5	PASS
GSM850	190	NV	0	18.08	0.021611	±2.5	PASS
GSM850	190	NV	10	10.69	0.012778	±2.5	PASS
GSM850	190	NV	20	15.63	0.018683	±2.5	PASS
GSM850	190	NV	30	8.39	0.010029	±2.5	PASS
GSM850	190	NV	40	8.68	0.010375	±2.5	PASS
GSM850	190	NV	50	11.36	0.013579	±2.5	PASS
GSM850	251	NV	-30	6.65	0.007835	±2.5	PASS
GSM850	251	NV	-20	6.20	0.007304	±2.5	PASS
GSM850	251	NV	-10	2.84	0.003346	±2.5	PASS
GSM850	251	NV	0	3.94	0.004642	±2.5	PASS
GSM850	251	NV	10	4.29	0.005054	±2.5	PASS
GSM850	251	NV	20	6.26	0.007375	±2.5	PASS
GSM850	251	NV	30	3.36	0.003959	±2.5	PASS
GSM850	251	NV	40	4.81	0.005667	±2.5	PASS
GSM850	251	NV	50	5.71	0.006727	±2.5	PASS
GPRS850	128	NV	-30	5.39	0.006540	±2.5	PASS
GPRS850	128	NV	-20	4.81	0.005836	±2.5	PASS
GPRS850	128	NV	-10	9.04	0.010968	±2.5	PASS
GPRS850	128	NV	0	6.91	0.008384	±2.5	PASS
GPRS850	128	NV	10	5.26	0.006382	±2.5	PASS
GPRS850	128	NV	20	5.94	0.007207	±2.5	PASS
GPRS850	128	NV	30	10.43	0.012655	±2.5	PASS
GPRS850	128	NV	40	3.42	0.004149	±2.5	PASS
GPRS850	128	NV	50	9.88	0.011987	±2.5	PASS
GPRS850	190	NV	-30	8.33	0.009957	±2.5	PASS

GPRS850	190	NV	-20	13.33	0.015934	±2.5	PASS
GPRS850	190	NV	-10	13.08	0.015635	±2.5	PASS
GPRS850	190	NV	0	15.50	0.018527	±2.5	PASS
GPRS850	190	NV	10	10.62	0.012694	±2.5	PASS
GPRS850	190	NV	20	13.95	0.016675	±2.5	PASS
GPRS850	190	NV	30	11.95	0.014284	±2.5	PASS
GPRS850	190	NV	40	15.50	0.018527	±2.5	PASS
GPRS850	190	NV	50	8.94	0.010686	±2.5	PASS
GPRS850	251	NV	-30	8.78	0.010344	±2.5	PASS
GPRS850	251	NV	-20	12.27	0.014456	±2.5	PASS
GPRS850	251	NV	-10	12.07	0.014220	±2.5	PASS
GPRS850	251	NV	0	11.46	0.013501	±2.5	PASS
GPRS850	251	NV	10	6.65	0.007835	±2.5	PASS
GPRS850	251	NV	20	4.84	0.005702	±2.5	PASS
GPRS850	251	NV	30	8.33	0.009814	±2.5	PASS
GPRS850	251	NV	40	11.75	0.013843	±2.5	PASS
GPRS850	251	NV	50	10.43	0.012288	±2.5	PASS
EGPRS850	128	NV	-30	-2.58	-0.003130	±2.5	PASS
EGPRS850	128	NV	-20	1.39	0.001686	±2.5	PASS
EGPRS850	128	NV	-10	3.62	0.004392	±2.5	PASS
EGPRS850	128	NV	0	-2.52	-0.003058	±2.5	PASS
EGPRS850	128	NV	10	0.29	0.000352	±2.5	PASS
EGPRS850	128	NV	20	-0.39	-0.000473	±2.5	PASS
EGPRS850	128	NV	30	1.74	0.002111	±2.5	PASS
EGPRS850	128	NV	40	3.39	0.004113	±2.5	PASS
EGPRS850	128	NV	50	3.62	0.004392	±2.5	PASS
EGPRS850	190	NV	-30	14.33	0.017129	±2.5	PASS
EGPRS850	190	NV	-20	-0.55	-0.000657	±2.5	PASS
EGPRS850	190	NV	-10	5.62	0.006718	±2.5	PASS
EGPRS850	190	NV	0	4.42	0.005283	±2.5	PASS
EGPRS850	190	NV	10	10.82	0.012933	±2.5	PASS
EGPRS850	190	NV	20	5.46	0.006526	±2.5	PASS
EGPRS850	190	NV	30	7.23	0.008642	±2.5	PASS
EGPRS850	190	NV	40	2.16	0.002582	±2.5	PASS
EGPRS850	190	NV	50	-4.20	-0.005020	±2.5	PASS
EGPRS850	251	NV	-30	9.46	0.011145	±2.5	PASS
EGPRS850	251	NV	-20	11.24	0.013242	±2.5	PASS

EGPRS850	251	NV	-10	9.98	0.011758	±2.5	PASS
EGPRS850	251	NV	0	14.98	0.017648	±2.5	PASS
EGPRS850	251	NV	10	10.53	0.012406	±2.5	PASS
EGPRS850	251	NV	20	15.14	0.017837	±2.5	PASS
EGPRS850	251	NV	30	16.66	0.019628	±2.5	PASS
EGPRS850	251	NV	40	19.63	0.023127	±2.5	PASS
EGPRS850	251	NV	50	9.91	0.011675	±2.5	PASS

Test Graphs

GSM850-128-3


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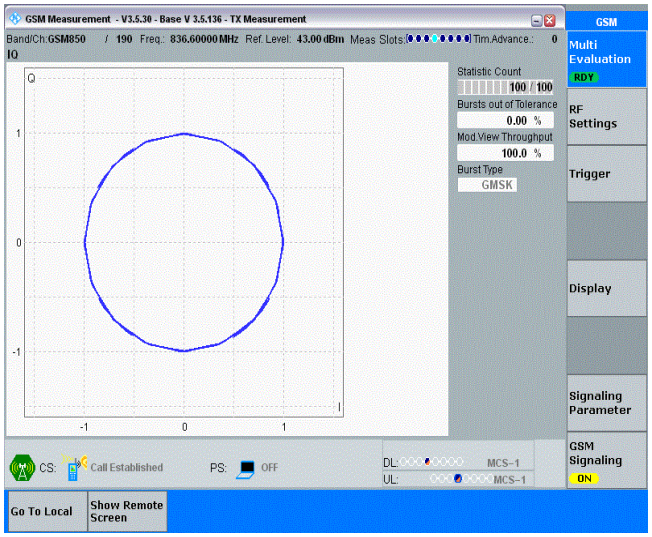

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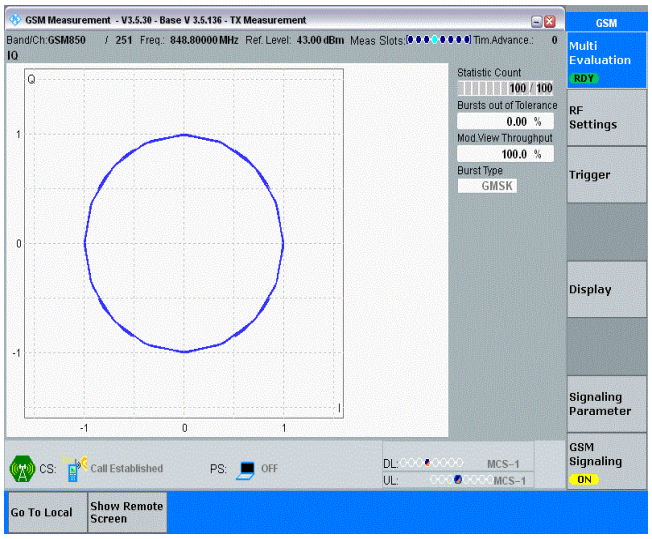
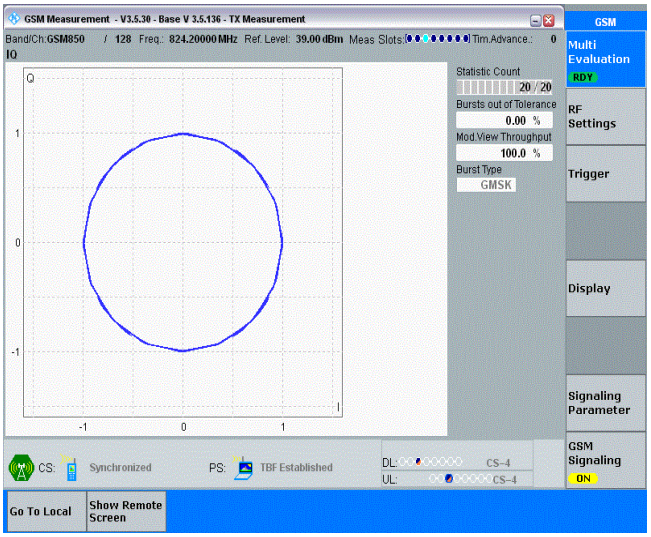


GPRS850-128-3

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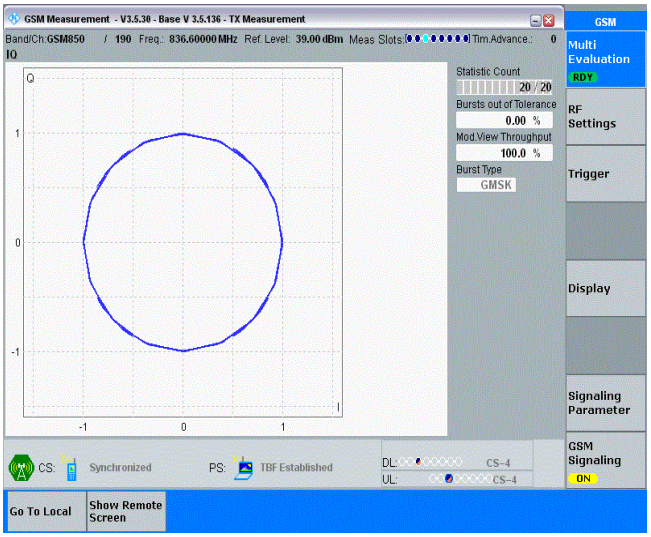
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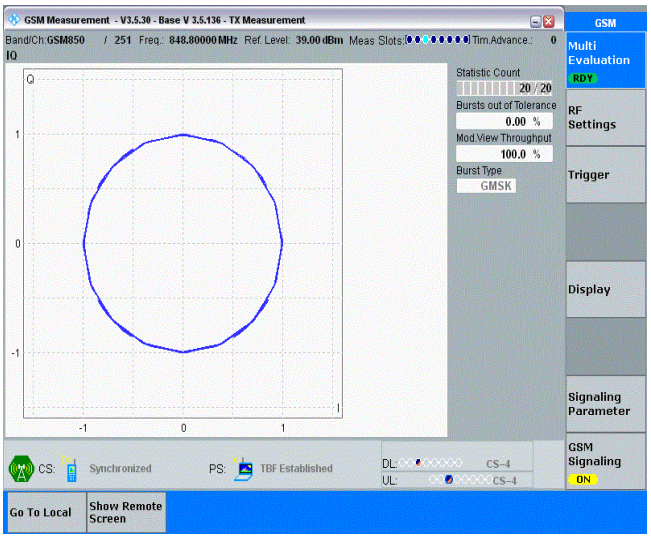
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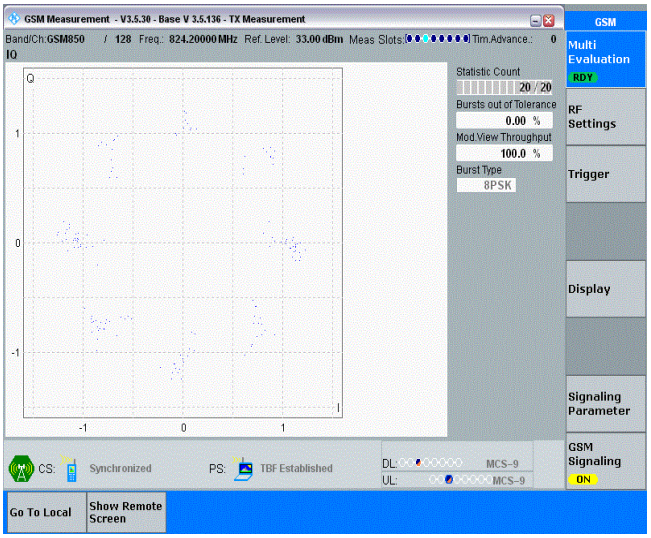

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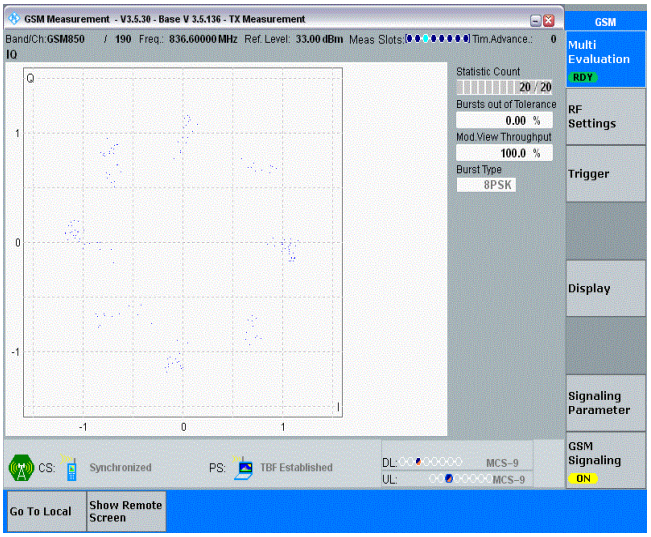
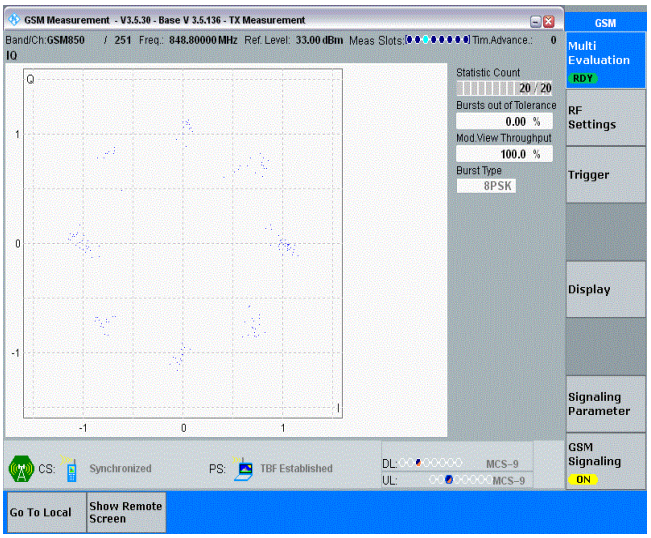
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