

Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Channel	Slot	Power(dBm)	EIRP(dBm)	ERP(dBm)	Limit(dBm)	Verdict
GPRS850	128	1	31.96	34.11	31.96	38.5	PASS
GPRS850	128	2	32	34.15	32	38.5	PASS
GPRS850	128	3	31.29	33.44	31.29	38.5	PASS
GPRS850	128	4	30.15	32.3	30.15	38.5	PASS
GPRS850	190	1	31.96	34.11	31.96	38.5	PASS
GPRS850	190	2	31.99	34.14	31.99	38.5	PASS
GPRS850	190	3	31.33	33.48	31.33	38.5	PASS
GPRS850	190	4	30.15	32.3	30.15	38.5	PASS
GPRS850	251	1	31.98	34.13	31.98	38.5	PASS
GPRS850	251	2	32	34.15	32	38.5	PASS
GPRS850	251	3	31.35	33.5	31.35	38.5	PASS
GPRS850	251	4	30.24	32.39	30.24	38.5	PASS
GPRS1900	512	1	28.13	30.28	28.13	33	PASS
GPRS1900	512	2	28.39	30.54	28.39	33	PASS
GPRS1900	512	3	27.64	29.79	27.64	33	PASS
GPRS1900	512	4	26.38	28.53	26.38	33	PASS
GPRS1900	661	1	28.19	30.34	28.19	33	PASS
GPRS1900	661	2	28.46	30.61	28.46	33	PASS
GPRS1900	661	3	27.67	29.82	27.67	33	PASS
GPRS1900	661	4	26.38	28.53	26.38	33	PASS
GPRS1900	810	1	28.25	30.4	28.25	33	PASS
GPRS1900	810	2	28.45	30.6	28.45	33	PASS
GPRS1900	810	3	27.72	29.87	27.72	33	PASS
GPRS1900	810	4	26.35	28.5	26.35	33	PASS
EGPRS850	128	1	26.82	28.97	26.82	38.5	PASS
EGPRS850	128	2	26.89	29.04	26.89	38.5	PASS
EGPRS850	128	3	26.05	28.2	26.05	38.5	PASS
EGPRS850	128	4	24.77	26.92	24.77	38.5	PASS
EGPRS850	190	1	26.84	28.99	26.84	38.5	PASS
EGPRS850	190	2	26.96	29.11	26.96	38.5	PASS
EGPRS850	190	3	26.03	28.18	26.03	38.5	PASS
EGPRS850	190	4	24.79	26.94	24.79	38.5	PASS
EGPRS850	251	1	26.85	29	26.85	38.5	PASS
EGPRS850	251	2	26.94	29.09	26.94	38.5	PASS

Band	Channel	Slot	Power(dBm)	EIRP(dBm)	ERP(dBm)	Limit(dBm)	Verdict
EGPRS850	251	3	26.12	28.27	26.12	38.5	PASS
EGPRS850	251	4	24.84	26.99	24.84	38.5	PASS
EGPRS1900	512	1	24.81	26.96	24.81	33	PASS
EGPRS1900	512	2	24.97	27.12	24.97	33	PASS
EGPRS1900	512	3	24.09	26.24	24.09	33	PASS
EGPRS1900	512	4	22.9	25.05	22.9	33	PASS
EGPRS1900	661	1	24.85	27	24.85	33	PASS
EGPRS1900	661	2	25.03	27.18	25.03	33	PASS
EGPRS1900	661	3	24.11	26.26	24.11	33	PASS
EGPRS1900	661	4	22.91	25.06	22.91	33	PASS
EGPRS1900	810	1	24.89	27.04	24.89	33	PASS
EGPRS1900	810	2	25.08	27.23	25.08	33	PASS
EGPRS1900	810	3	24.18	26.33	24.18	33	PASS
EGPRS1900	810	4	22.92	25.07	22.92	33	PASS

Note 1:

a, For getting the ERP (Efficient Radiated Power) or EIRP (Efficient Isotropic Radiated Power) in substitution method, the following formula should be taken to calculate it,

$$\text{ERP[dBm]} = \text{SGP[dBm]} - \text{Cable Loss[dB]} + \text{Gain[dBd]} - 2.15$$

$$\text{EIRP[dBm]} = \text{SGP[dBm]} - \text{Cable Loss[dB]} + \text{Gain[dBd]}$$

b, SGP=Signal Generator Level

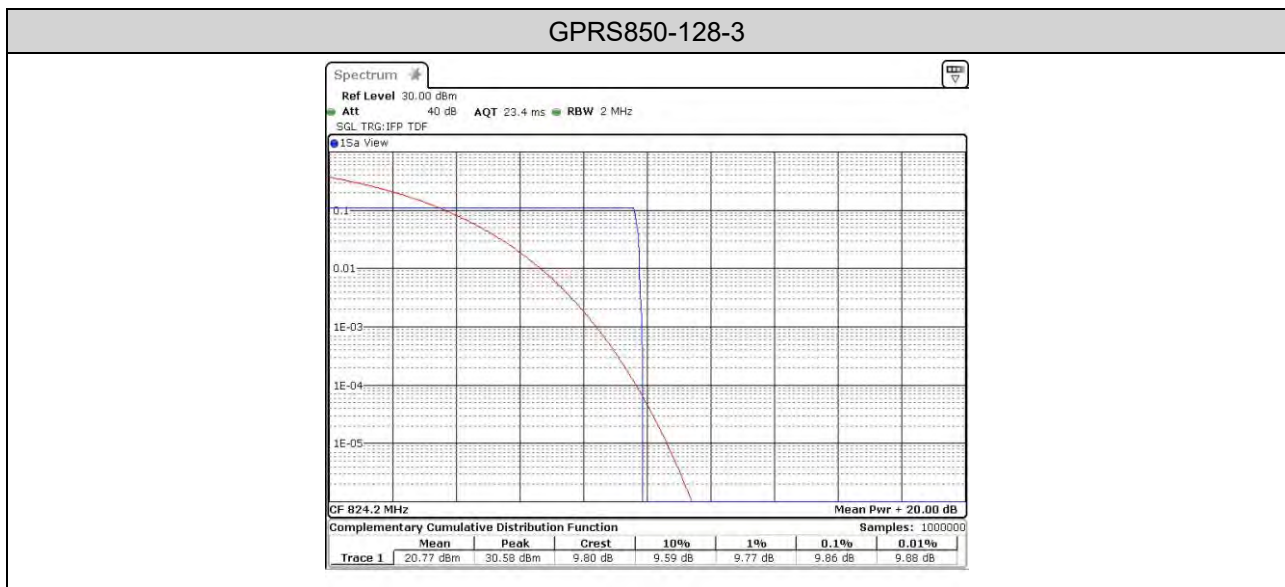
c, Antenna gain of GSM 850 is 2.15dBi; Antenna gain of GSM 1900 is 2.15dBi;

Appendix B: Peak-to-Average Ratio(CCDF)

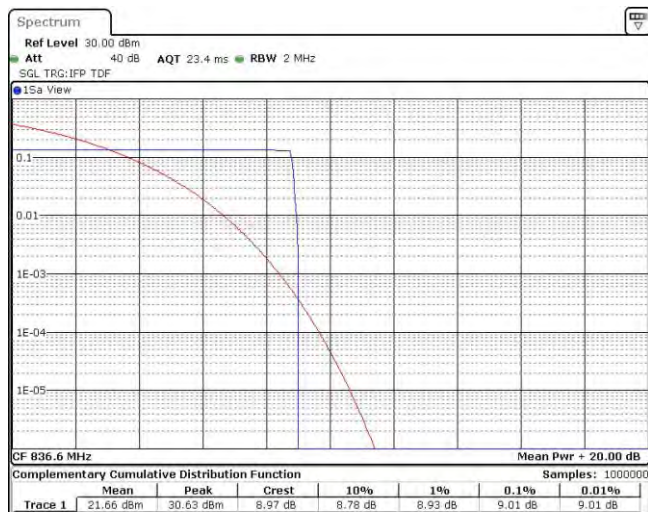
Test Result

Band	Channel	Result(dB)	Limit(dB)	Verdict
GPRS850	128	9.86	13	PASS
GPRS850	190	9.01	13	PASS
GPRS850	251	9.01	13	PASS
EGPRS850	128	11.68	13	PASS
EGPRS850	190	12.49	13	PASS
EGPRS850	251	12.43	13	PASS
GPRS1900	512	10.2	13	PASS
GPRS1900	661	9.33	13	PASS
GPRS1900	810	9.25	13	PASS
EGPRS1900	512	12.41	13	PASS
EGPRS1900	661	12	13	PASS
EGPRS1900	810	12.2	13	PASS

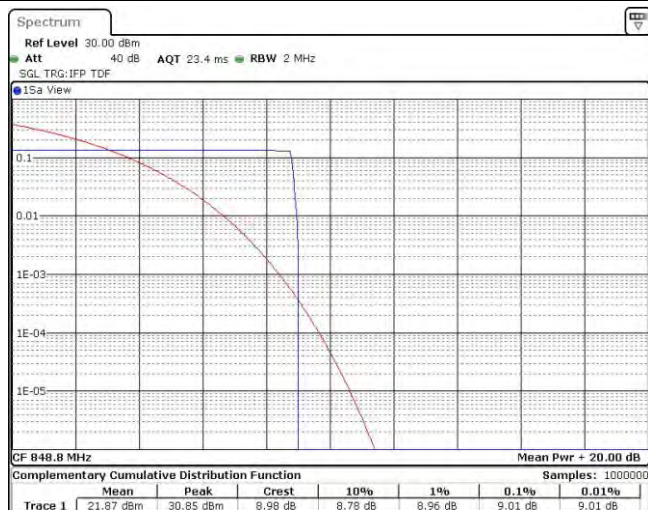
Test Graphs



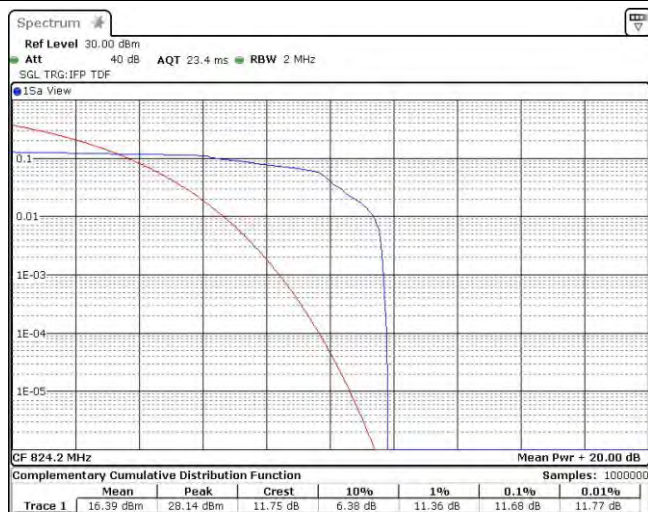
GPRS850-190-3



GPRS850-251-3



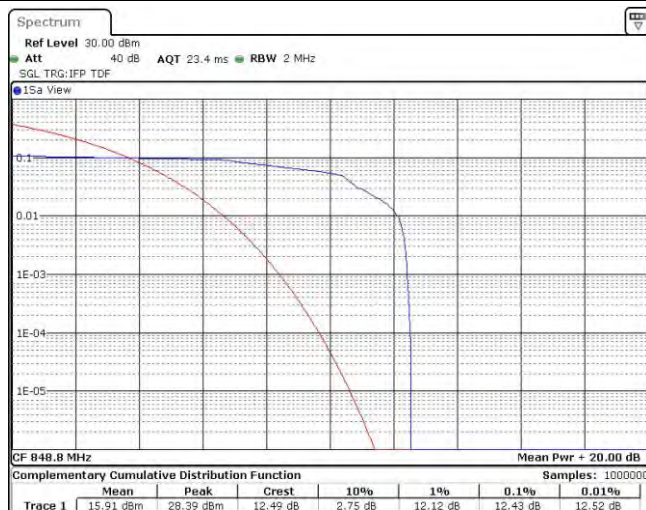
EGPRS850-128-8



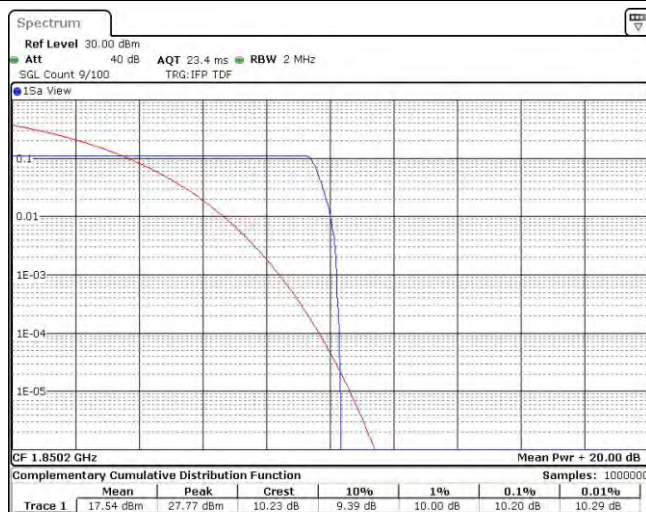
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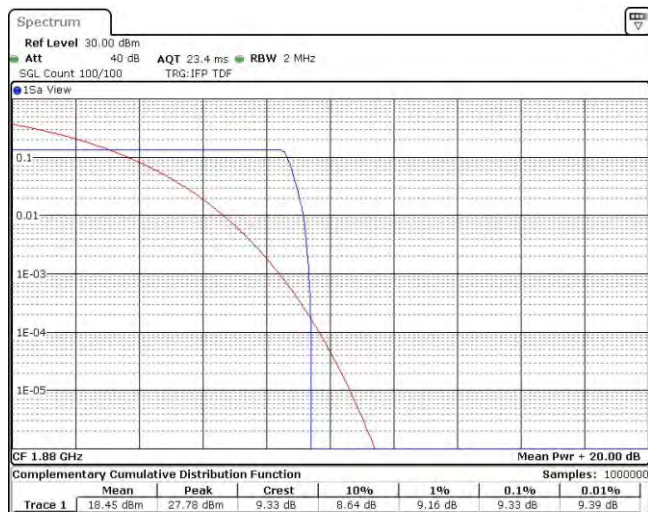
EGPRS850-251-8



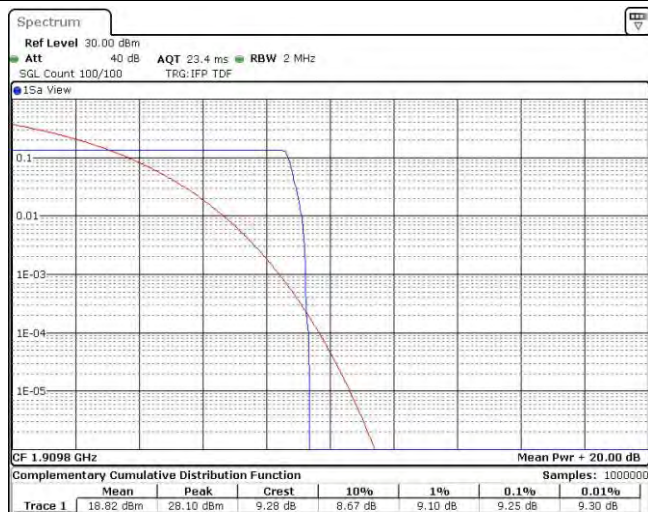
GPRS1900-512-0



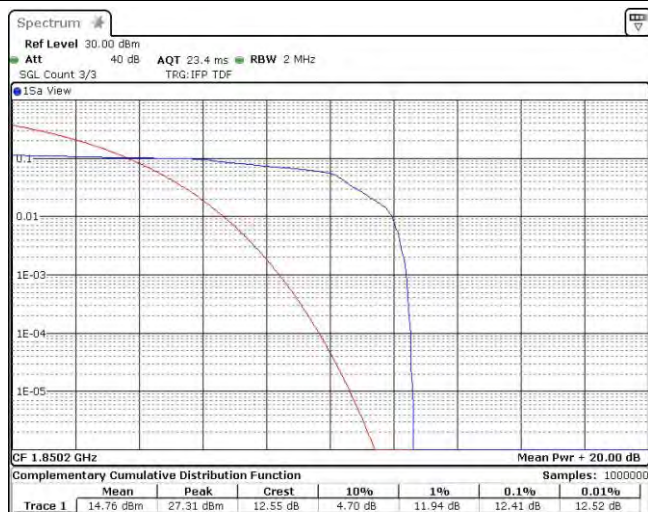
GPRS1900-661-0



GPRS1900-810-0



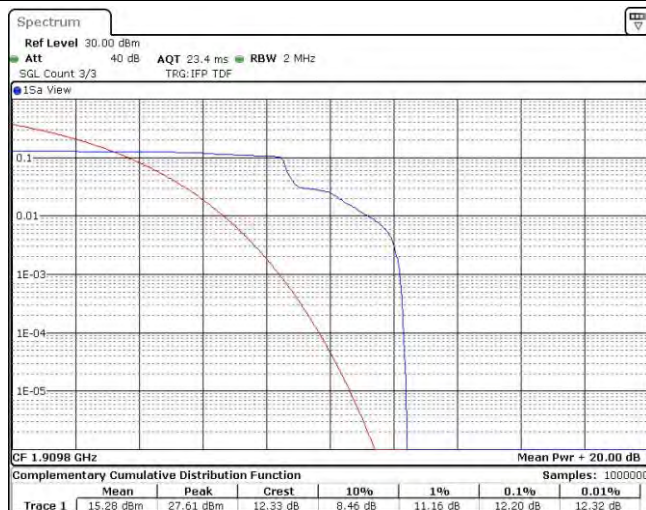
EGPRS1900-512-2



EGPRS1900-661-2



EGPRS1900-810-2

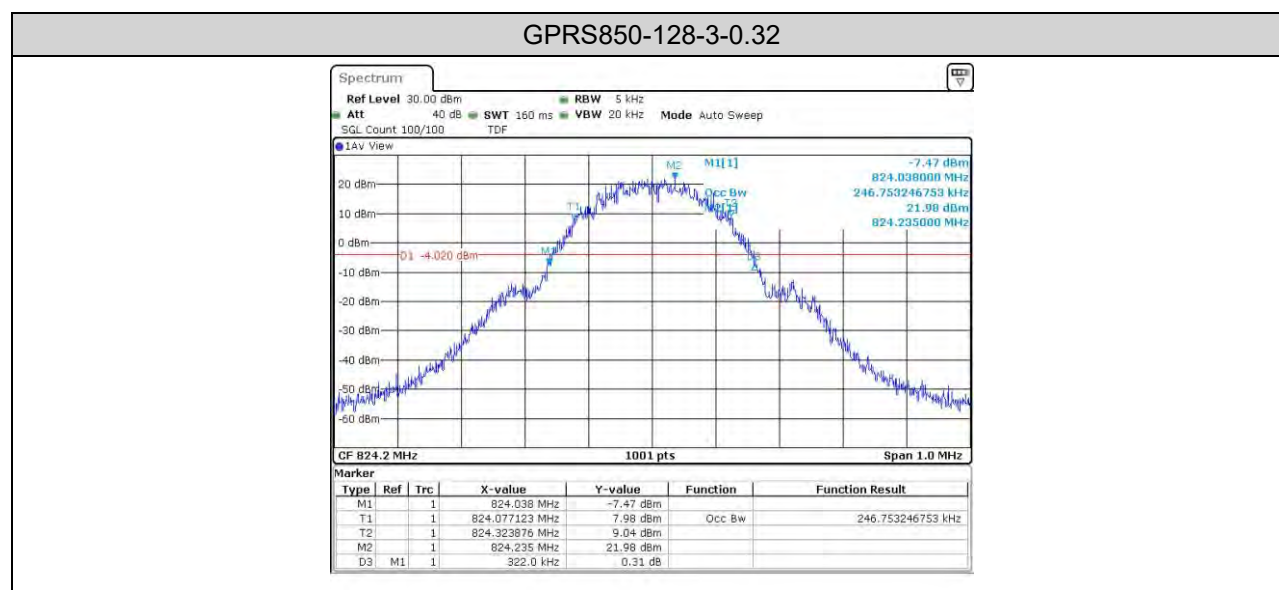


Appendix C: 26dB Bandwidth and Occupied Bandwidth

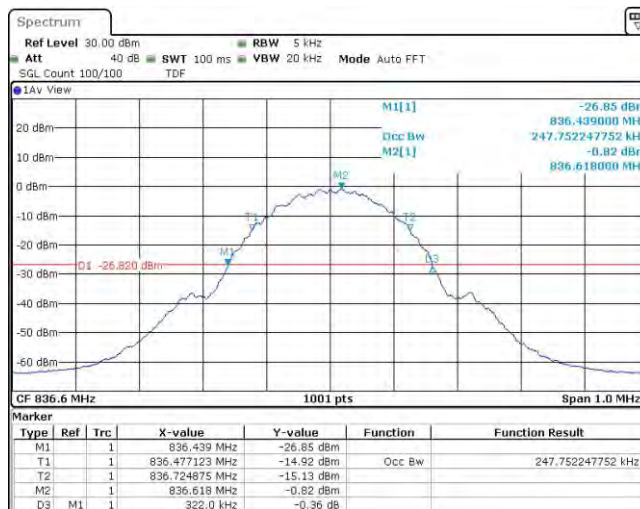
Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GPRS850	128	0.247	0.32	---	PASS
GPRS850	190	0.248	0.32	---	PASS
GPRS850	251	0.248	0.32	---	PASS
EGPRS850	128	0.25	0.31	---	PASS
EGPRS850	190	0.249	0.32	---	PASS
EGPRS850	251	0.249	0.32	---	PASS
GPRS1900	512	0.248	0.32	---	PASS
GPRS1900	661	0.247	0.32	---	PASS
GPRS1900	810	0.247	0.32	---	PASS
EGPRS1900	512	0.247	0.32	---	PASS
EGPRS1900	661	0.245	0.31	---	PASS
EGPRS1900	810	0.243	0.31	---	PASS

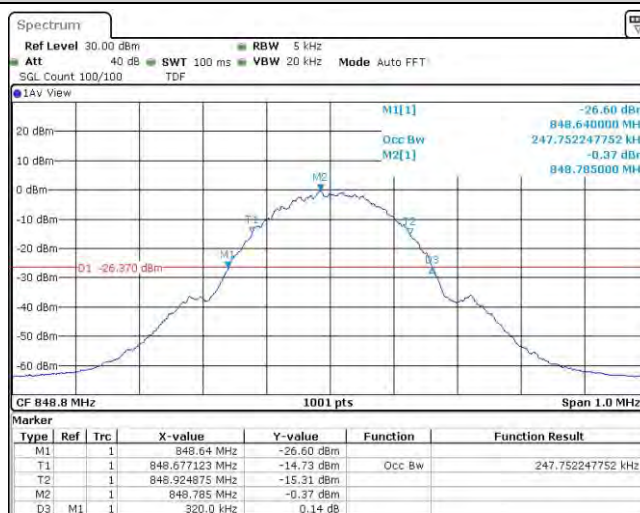
Test Graphs



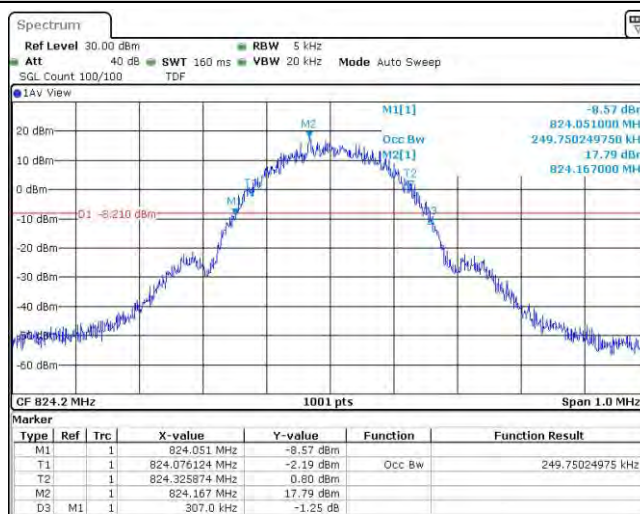
GPRS850-190-3-0.32



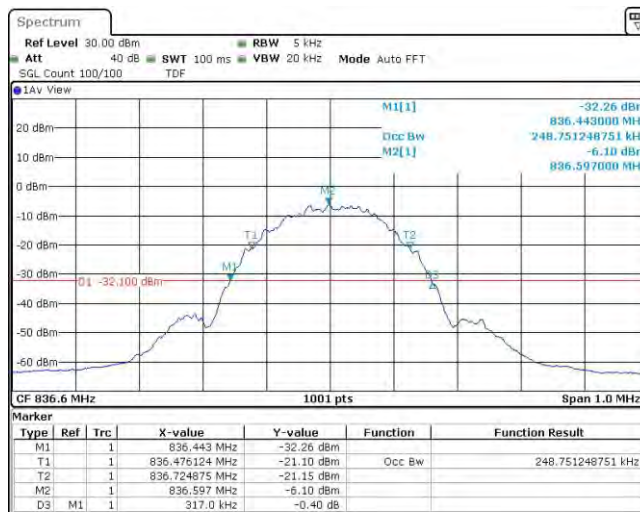
GPRS850-251-3-0.32



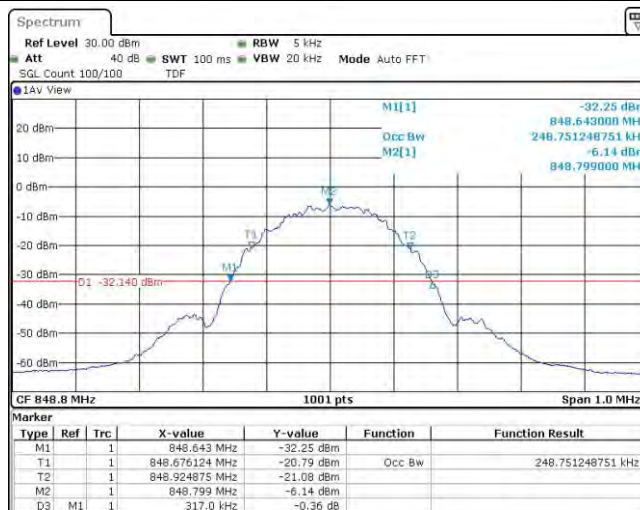
EGPRS850-128-8-0.31



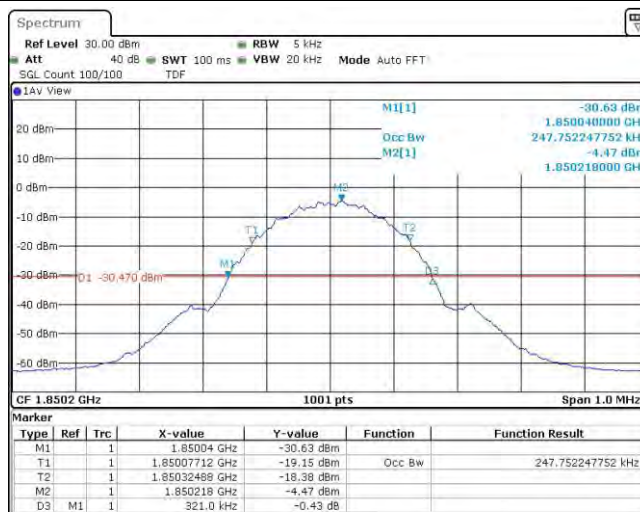
EGPRS850-190-8-0.32



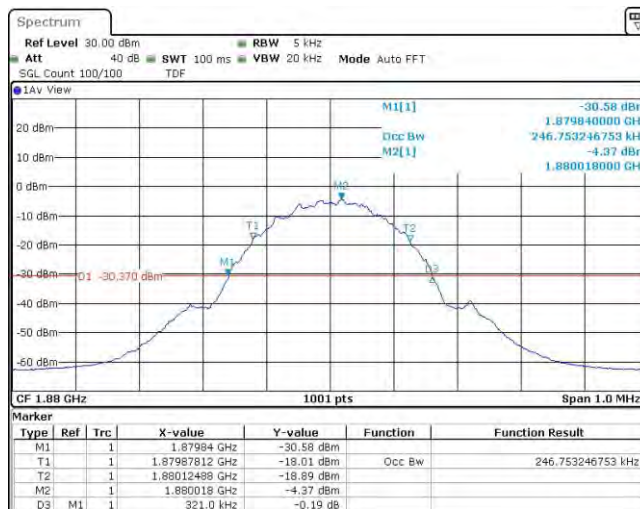
EGPRS850-251-8-0.32



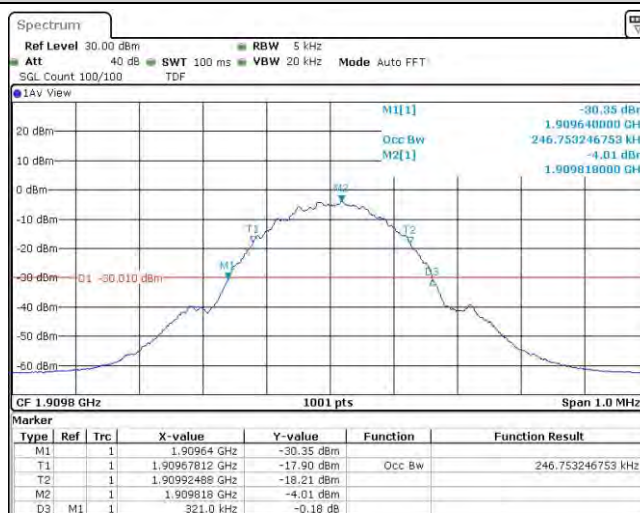
GPRS1900-512-0-0.32



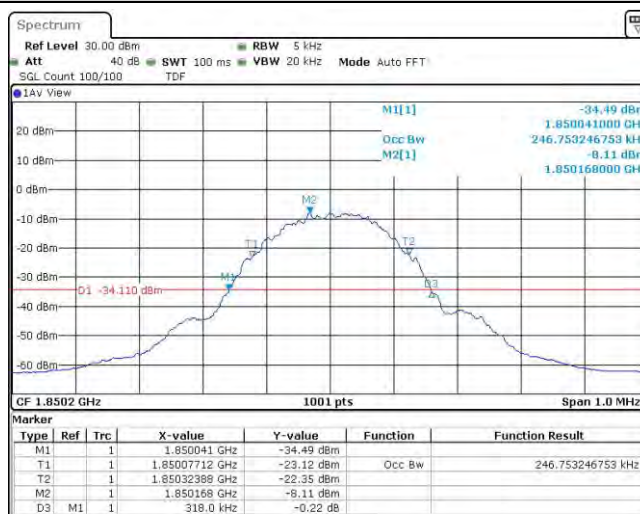
GPRS1900-661-0-0.32



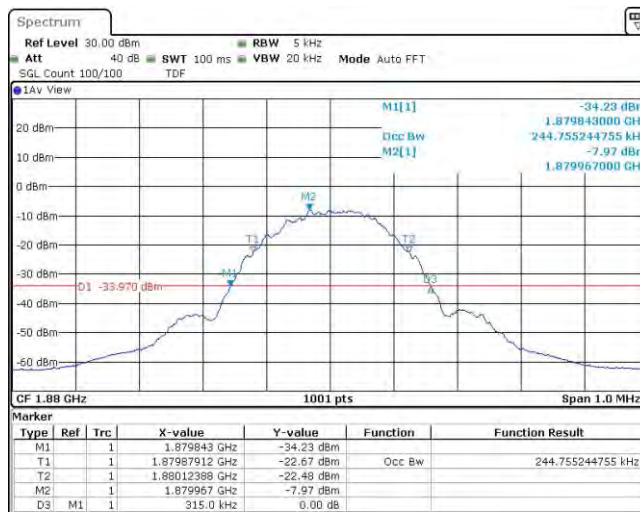
GPRS1900-810-0-0.32



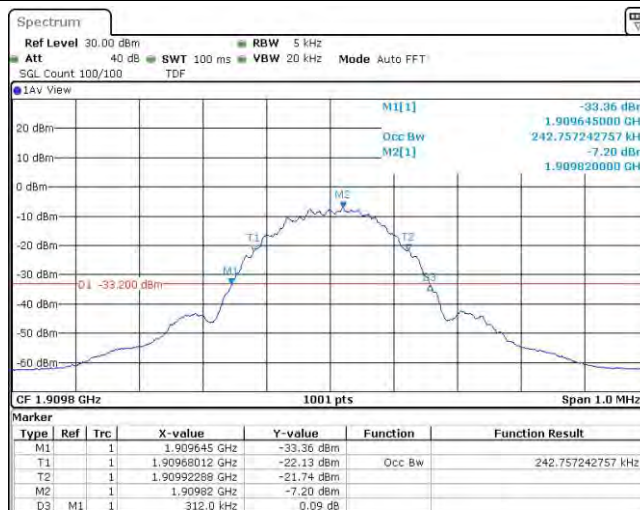
EGPRS1900-512-2-0.32



EGPRS1900-661-2-0.31



EGPRS1900-810-2-0.31

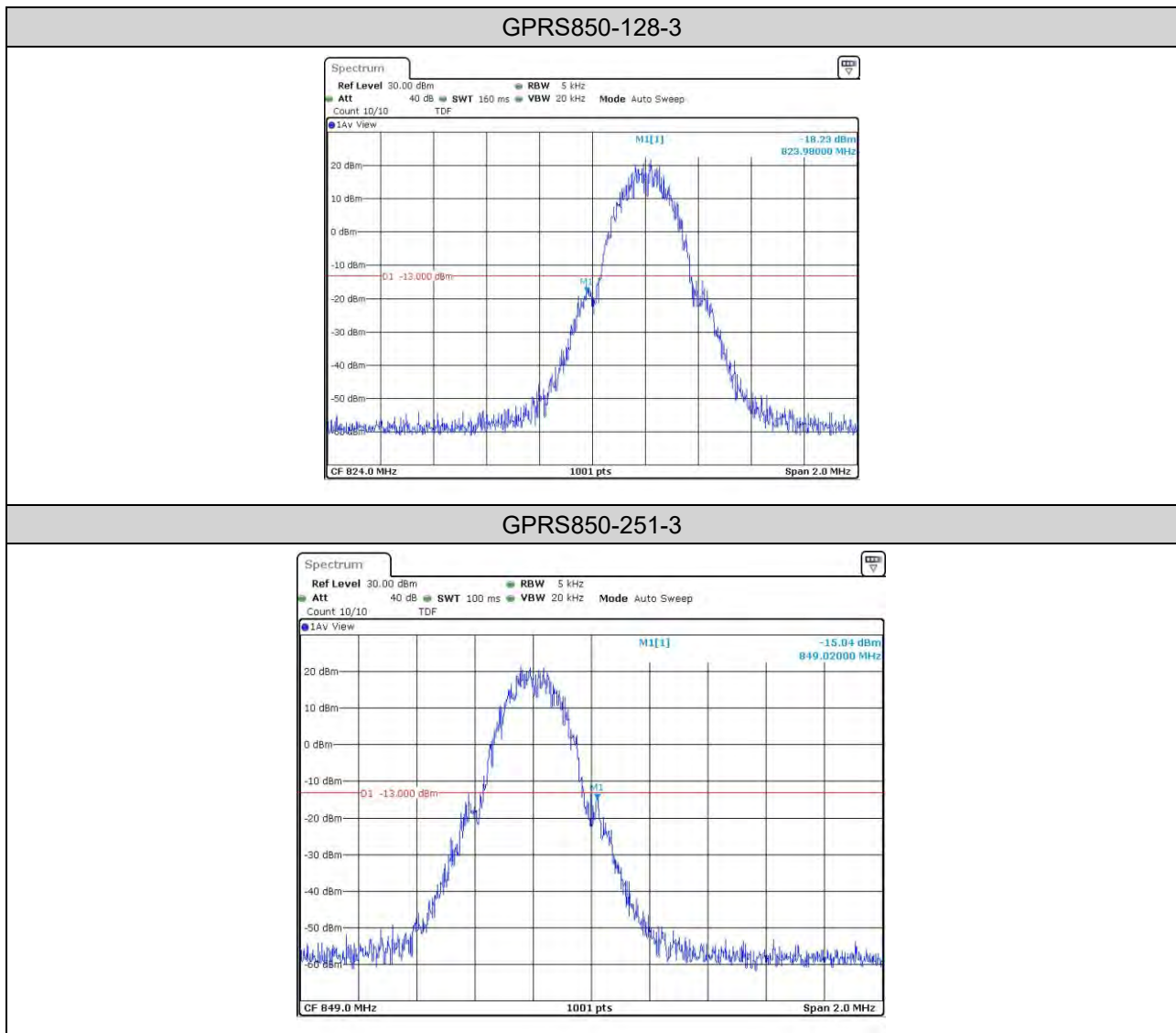


Appendix D: Band Edge

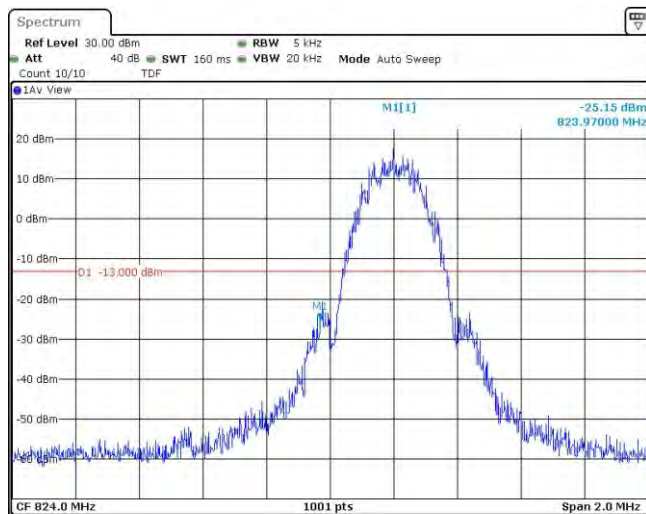
Test Result

Band	Channel	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GPRS850	128	823.98	-15.68	-13	PASS
GPRS850	251	849.02	-14.92	-13	PASS
EGPRS850	128	823.97	-20.69	-13	PASS
EGPRS850	251	849.02	-20.32	-13	PASS
GPRS1900	512	1849.98	-19.10	-13	PASS
GPRS1900	810	1910.02	-16.48	-13	PASS
EGPRS1900	512	1849.98	-22.28	-13	PASS
EGPRS1900	810	1910.04	-19.63	-13	PASS

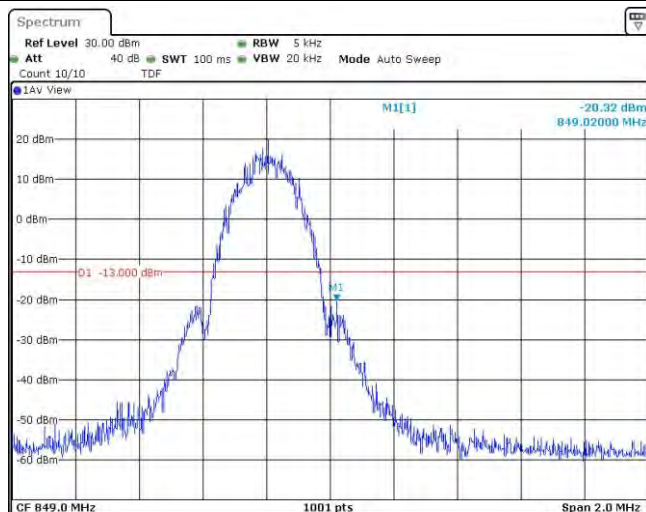
Test Graphs



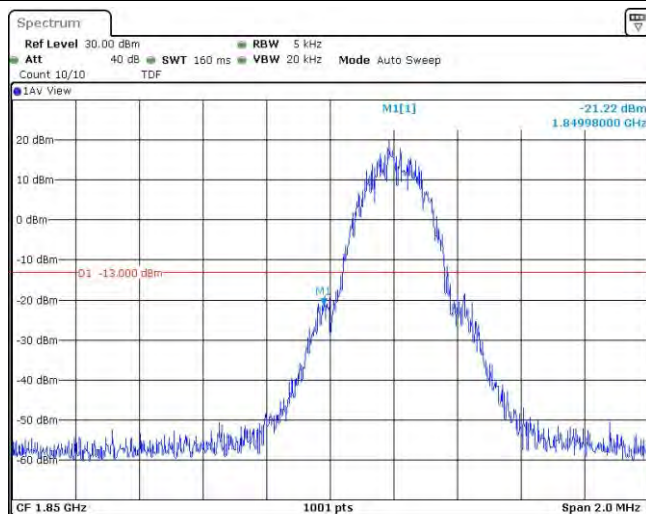
EGPRS850-128-8



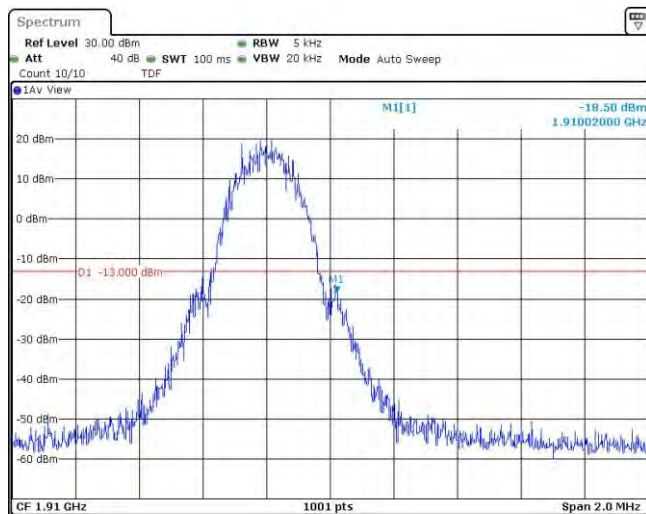
EGPRS850-251-8



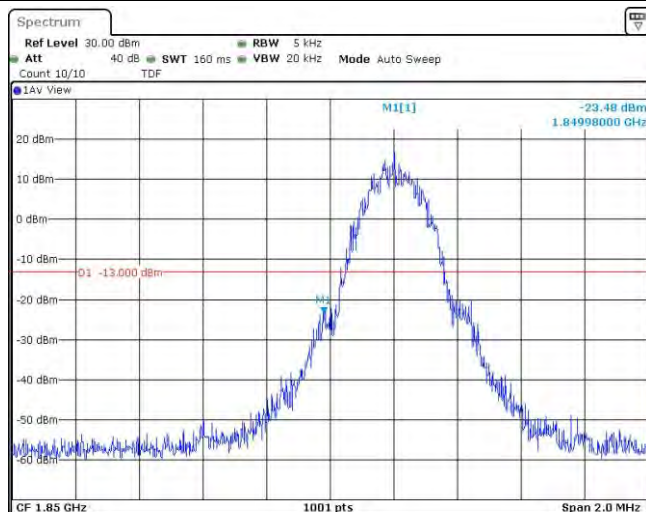
GPRS1900-512-0



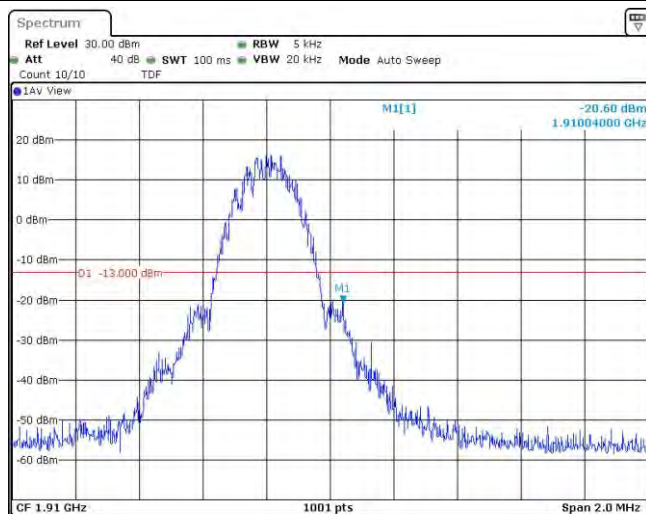
GPRS1900-810-0



EGPRS1900-512-2



EGPRS1900-810-2



Appendix E: Conducted Spurious Emission

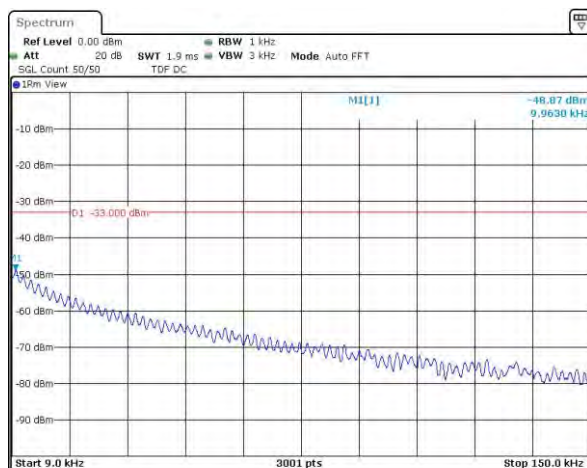
Test Result

Band	Channel	Frequency Range(MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
GPRS850	128	0.009~0.15MHz	0.01	-48.87	-33	PASS
GPRS850	128	0.15~30MHz	23.34	-50.29	-13	PASS
GPRS850	128	30~1000MHz	956.22	-35.74	-13	PASS
GPRS850	128	1000~3000MHz	1697.74	-32.39	-13	PASS
GPRS850	128	3000~10000MHz	5984.82	-52.59	-13	PASS
GPRS850	190	0.009~0.15MHz	0.01	-48.83	-33	PASS
GPRS850	190	0.15~30MHz	23.98	-51.6	-13	PASS
GPRS850	190	30~1000MHz	972.48	-35.82	-13	PASS
GPRS850	190	1000~3000MHz	1697.61	-32.12	-13	PASS
GPRS850	190	3000~10000MHz	4243.74	-52.71	-13	PASS
GPRS850	251	0.009~0.15MHz	0.01	-48.71	-33	PASS
GPRS850	251	0.15~30MHz	28.62	-51.99	-13	PASS
GPRS850	251	30~1000MHz	954.38	-36.02	-13	PASS
GPRS850	251	1000~3000MHz	1697.88	-32.77	-13	PASS
GPRS850	251	3000~10000MHz	5982.48	-52.6	-13	PASS
EGPRS850	128	0.009~0.15MHz	0.01	-51.17	-33	PASS
EGPRS850	128	0.15~30MHz	28.77	-51.71	-13	PASS
EGPRS850	128	30~1000MHz	949.53	-35.03	-13	PASS
EGPRS850	128	1000~3000MHz	1697.54	-39.9	-13	PASS
EGPRS850	128	3000~10000MHz	5982.72	-52.82	-13	PASS
EGPRS850	190	0.009~0.15MHz	0.01	-50.85	-33	PASS
EGPRS850	190	0.15~30MHz	24.1	-50.96	-13	PASS
EGPRS850	190	30~1000MHz	992.73	-35.2	-13	PASS
EGPRS850	190	1000~3000MHz	1697.34	-39.95	-13	PASS
EGPRS850	190	3000~10000MHz	5966.62	-52.9	-13	PASS
EGPRS850	251	0.009~0.15MHz	0.01	-51.35	-33	PASS
EGPRS850	251	0.15~30MHz	23.73	-52.5	-13	PASS
EGPRS850	251	30~1000MHz	985.97	-36	-13	PASS
EGPRS850	251	1000~3000MHz	1697.21	-40.77	-13	PASS
EGPRS850	251	3000~10000MHz	5980.85	-52.73	-13	PASS
GSM1900	512	0.009~0.15MHz	0.02	-75.69	-43	PASS
GPRS1900	512	0.009~0.15MHz	0.01	-73.49	-43	PASS
GPRS1900	512	0.15~30MHz	23.34	-52.12	-23	PASS
GPRS1900	512	30~1000MHz	962.54	-34.94	-13	PASS

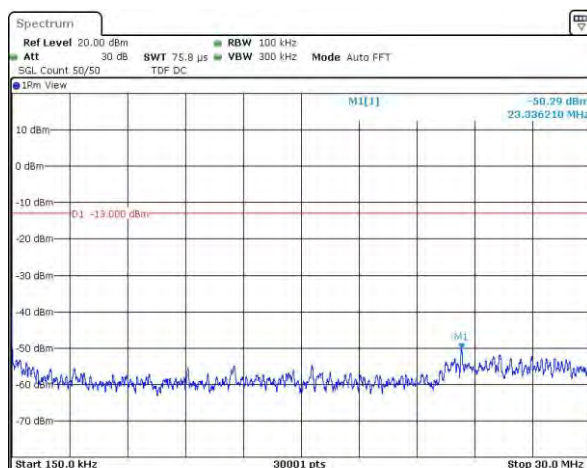
Band	Channel	Frequency Range(MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
GPRS1900	512	1000~3000MHz	2970.4	-42.12	-13	PASS
GPRS1900	512	3000~10000MHz	3819.56	-27.24	-13	PASS
GPRS1900	512	10000~18000MHz	15148.5	-63.68	-13	PASS
GPRS1900	661	0.009~0.15MHz	0.01	-71.68	-43	PASS
GPRS1900	661	0.15~30MHz	24.95	-51.66	-23	PASS
GPRS1900	661	30~1000MHz	948.06	-35.45	-13	PASS
GPRS1900	661	1000~3000MHz	2996.6	-42.16	-13	PASS
GPRS1900	661	3000~10000MHz	3820.02	-28.07	-13	PASS
GPRS1900	661	10000~18000MHz	15135.7	-63.72	-13	PASS
GPRS1900	810	0.009~0.15MHz	0.02	-68.8	-43	PASS
GPRS1900	810	0.15~30MHz	22.86	-52.06	-23	PASS
GPRS1900	810	30~1000MHz	936.03	-35.53	-13	PASS
GPRS1900	810	1000~3000MHz	2986.73	-42.09	-13	PASS
GPRS1900	810	3000~10000MHz	3819.56	-27.22	-13	PASS
GPRS1900	810	10000~18000MHz	15146.1	-63.49	-13	PASS
EGPRS1900	512	0.009~0.15MHz	0.02	-66.35	-43	PASS
EGPRS1900	512	0.15~30MHz	26.81	-52.41	-23	PASS
EGPRS1900	512	30~1000MHz	981.46	-35.51	-13	PASS
EGPRS1900	512	1000~3000MHz	2987.6	-42.08	-13	PASS
EGPRS1900	512	3000~10000MHz	3819.56	-31.94	-13	PASS
EGPRS1900	512	10000~18000MHz	15137.3	-63.65	-13	PASS
EGPRS1900	661	0.009~0.15MHz	0.04	-66.37	-43	PASS
EGPRS1900	661	0.15~30MHz	25.66	-51.89	-23	PASS
EGPRS1900	661	30~1000MHz	961.51	-34.78	-13	PASS
EGPRS1900	661	1000~3000MHz	2986.67	-42.09	-13	PASS
EGPRS1900	661	3000~10000MHz	3819.56	-32.15	-13	PASS
EGPRS1900	661	10000~18000MHz	15135.43	-63.52	-13	PASS
EGPRS1900	810	0.009~0.15MHz	0.03	-65.73	-43	PASS
EGPRS1900	810	0.15~30MHz	25.41	-51.55	-23	PASS
EGPRS1900	810	30~1000MHz	936.32	-34.52	-13	PASS
EGPRS1900	810	1000~3000MHz	2986.27	-42.03	-13	PASS
EGPRS1900	810	3000~10000MHz	3819.32	-32.91	-13	PASS
EGPRS1900	810	10000~18000MHz	15135.43	-63.61	-13	PASS

Test Graphs

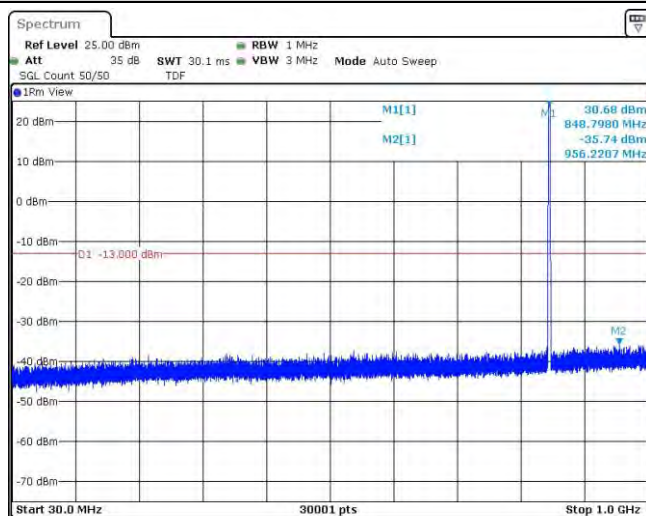
GPRS850-128-3-0.009~0.15MHz



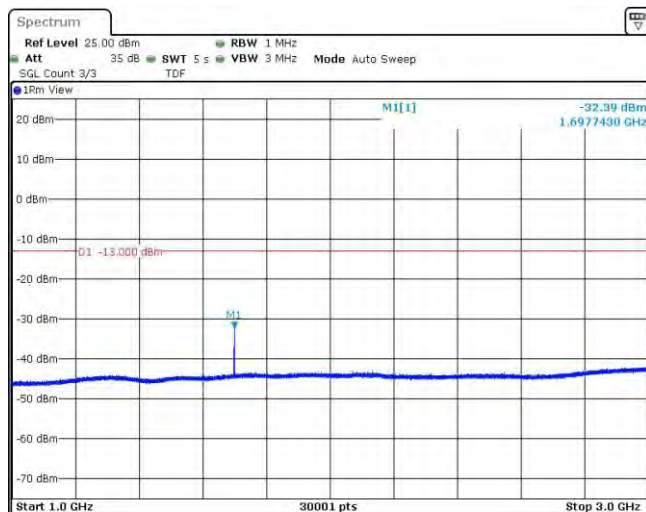
GPRS850-128-3-0.15~30MHz



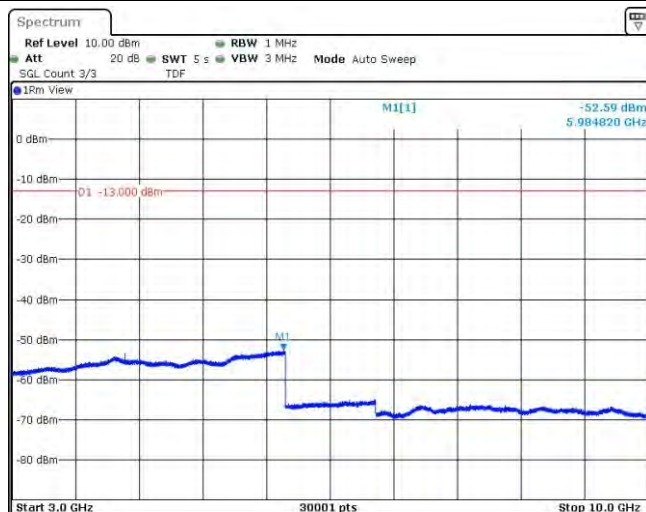
GPRS850-128-3-30~1000MHz



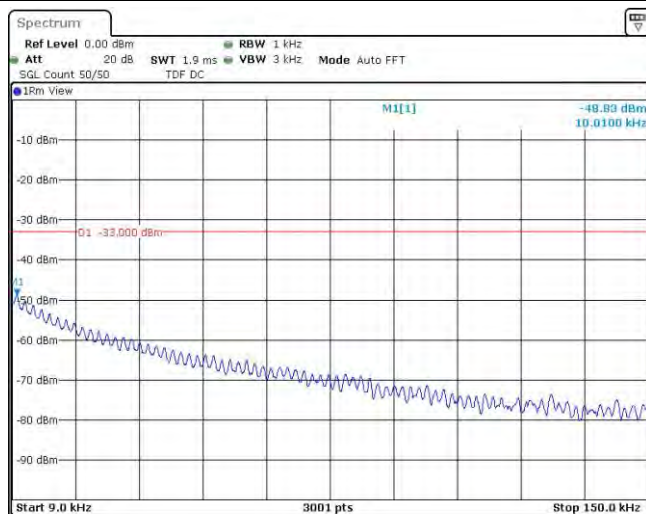
GPRS850-128-3-1000~3000MHz



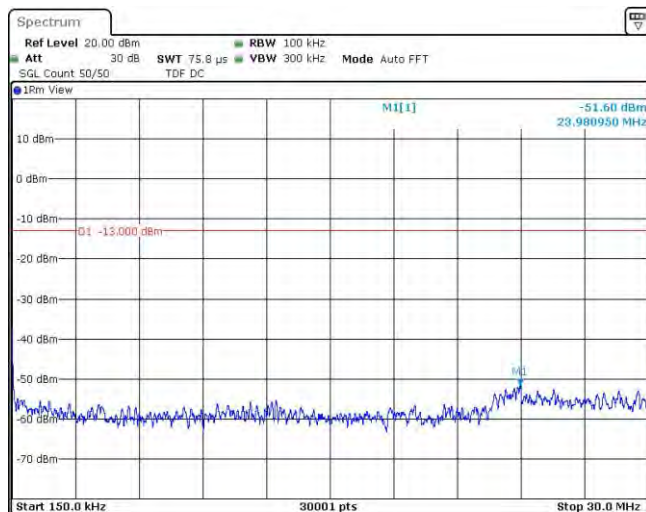
GPRS850-128-3-3000~10000MHz



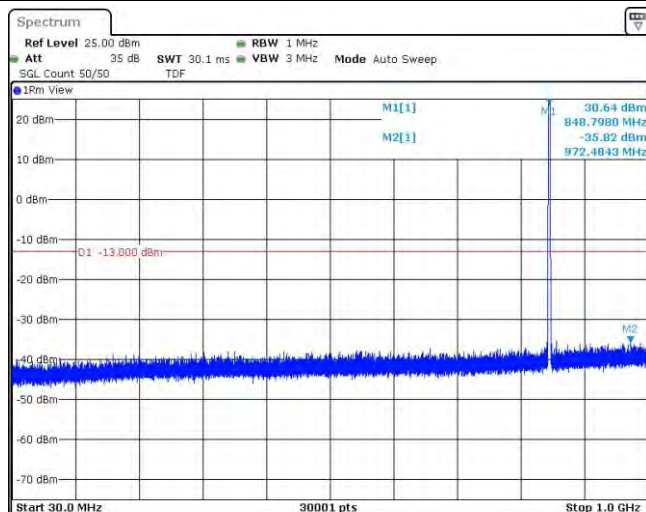
GPRS850-190-3-0.009~0.15MHz



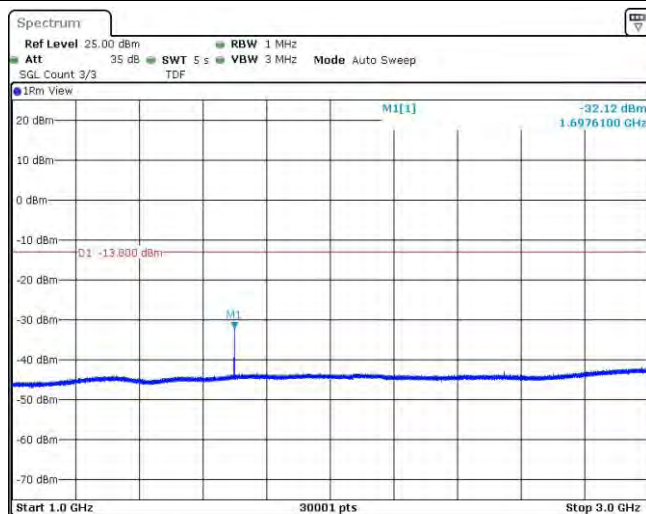
GPRS850-190-3-0.15~30MHz



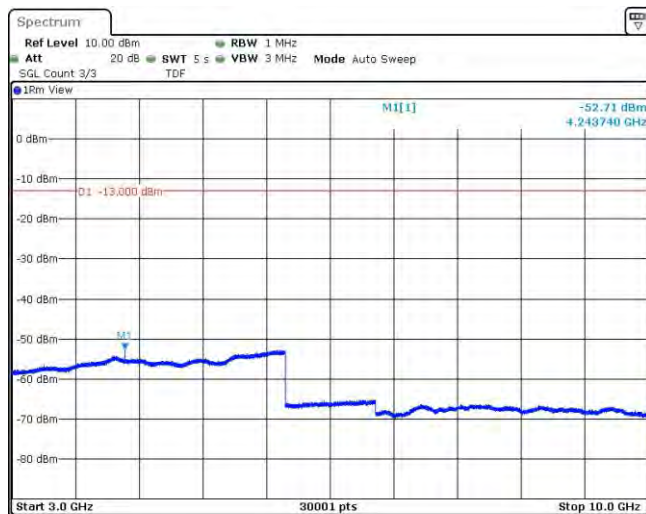
GPRS850-190-3-30~1000MHz



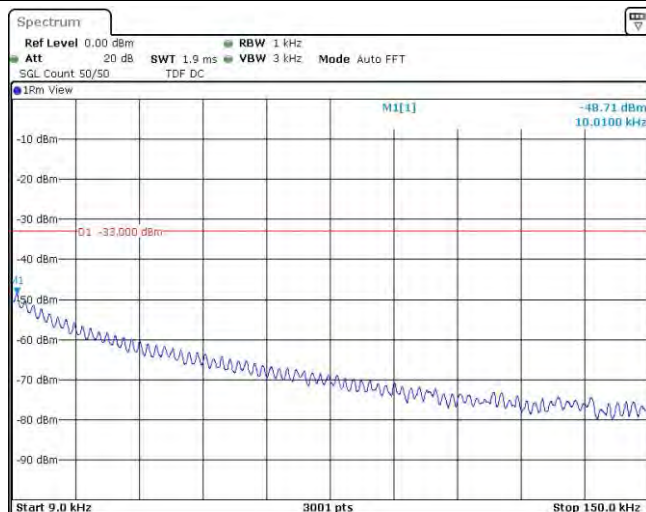
GPRS850-190-3-1000~3000MHz



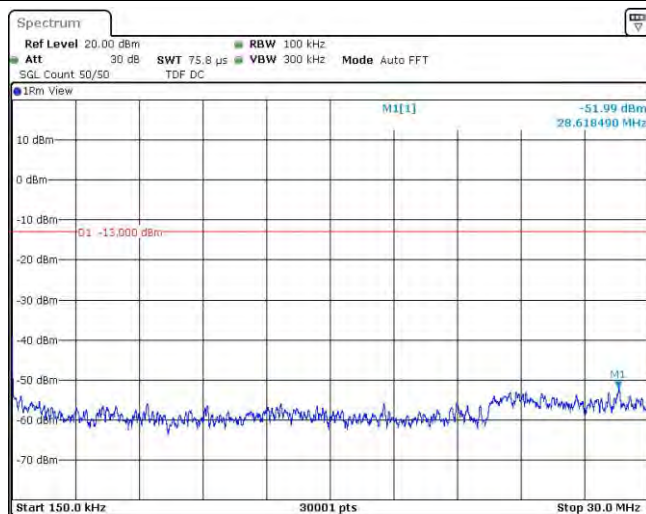
GPRS850-190-3-3000~10000MHz



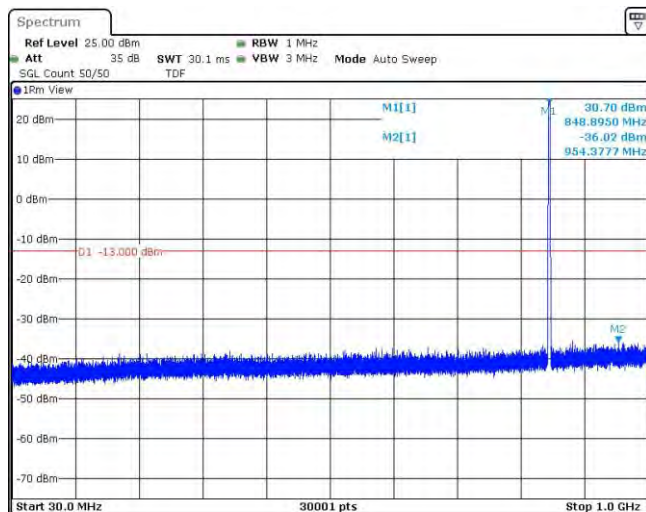
GPRS850-251-3-0.009~0.15MHz



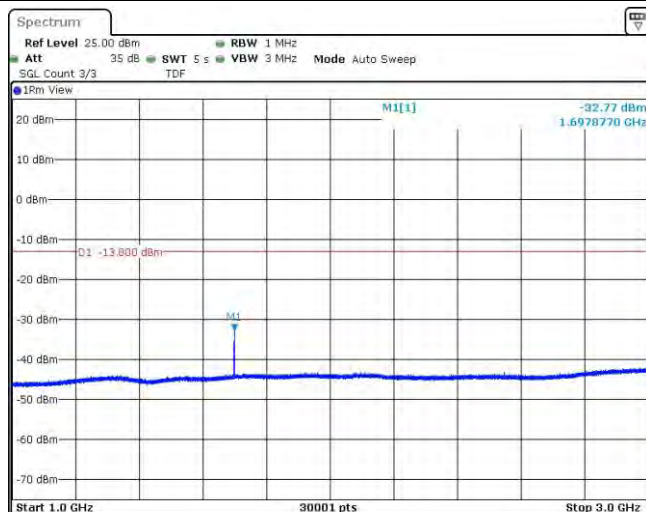
GPRS850-251-3-0.15~30MHz



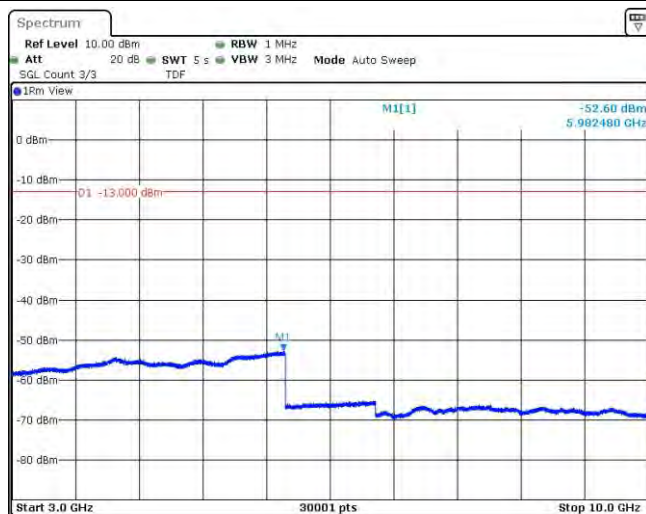
GPRS850-251-3-30~1000MHz



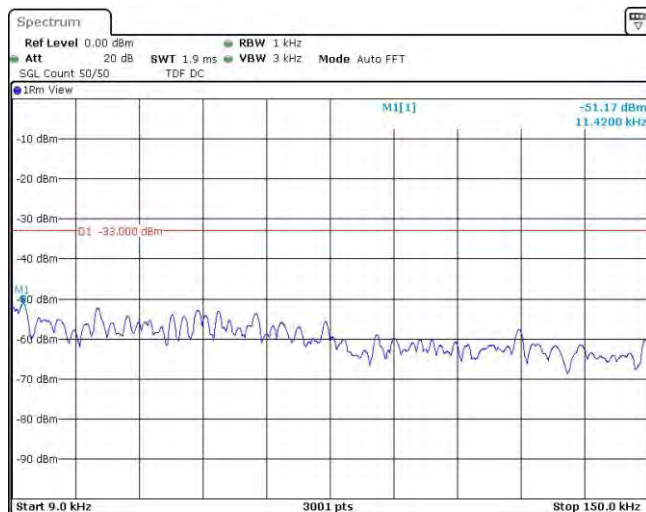
GPRS850-251-3-1000~3000MHz



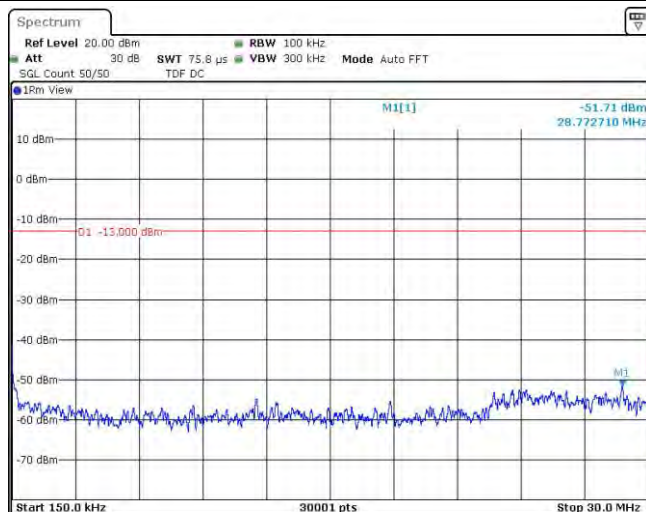
GPRS850-251-3-3000~10000MHz



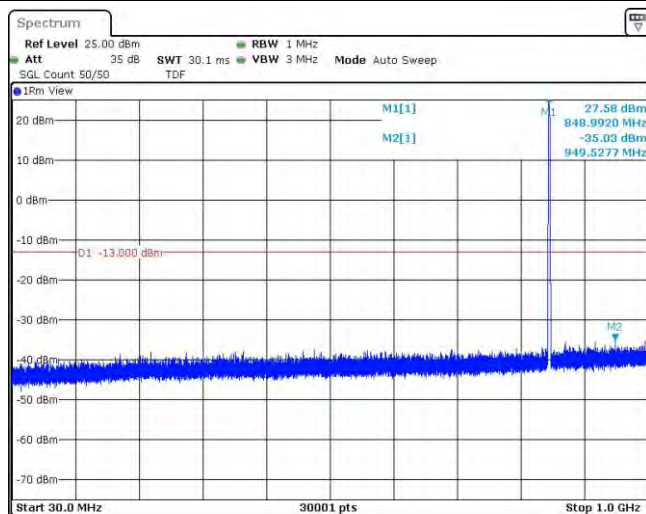
EGPRS850-128-8-0.009~0.15MHz



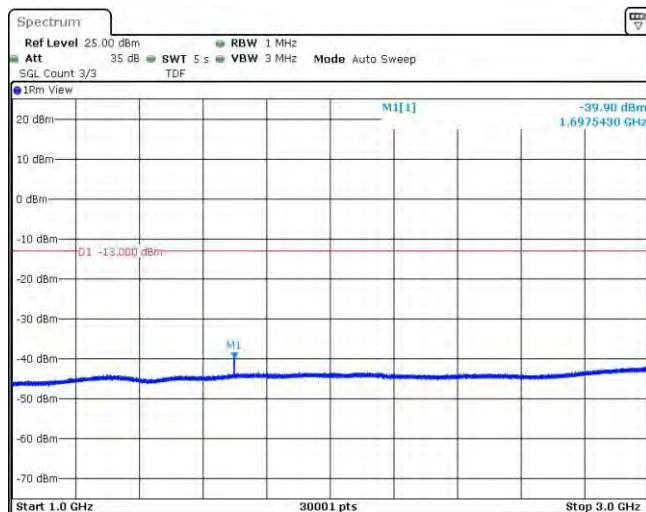
EGPRS850-128-8-0.15~30MHz



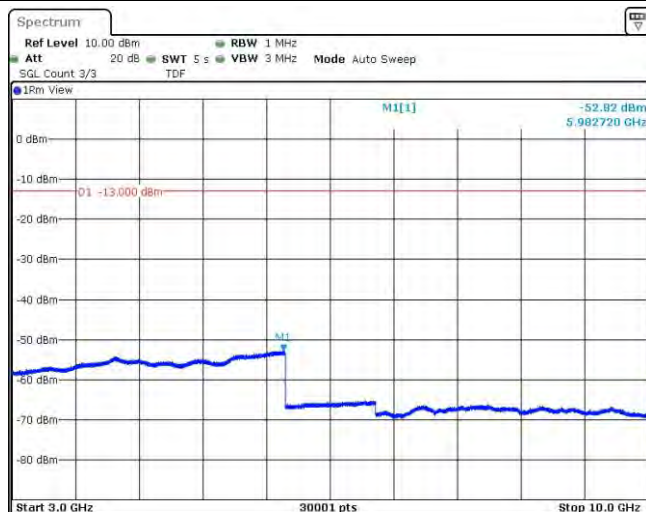
EGPRS850-128-8-30~1000MHz



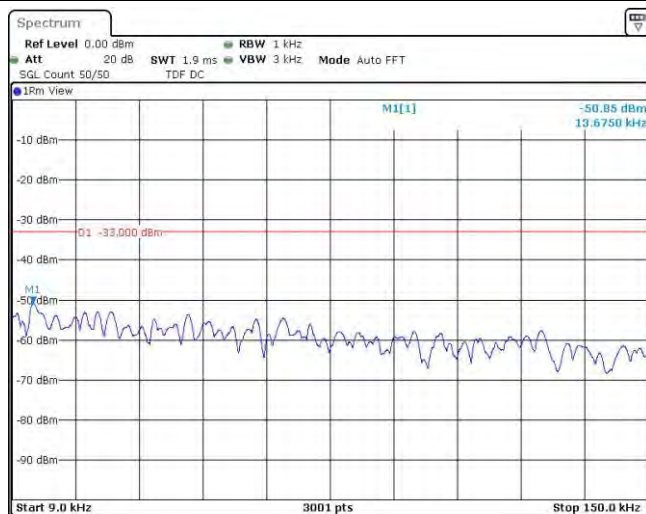
EGPRS850-128-8-1000~3000MHz



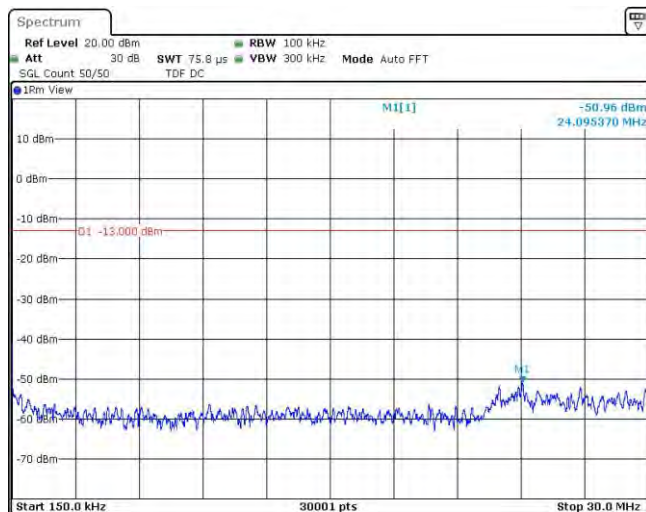
EGPRS850-128-8-3000~10000MHz



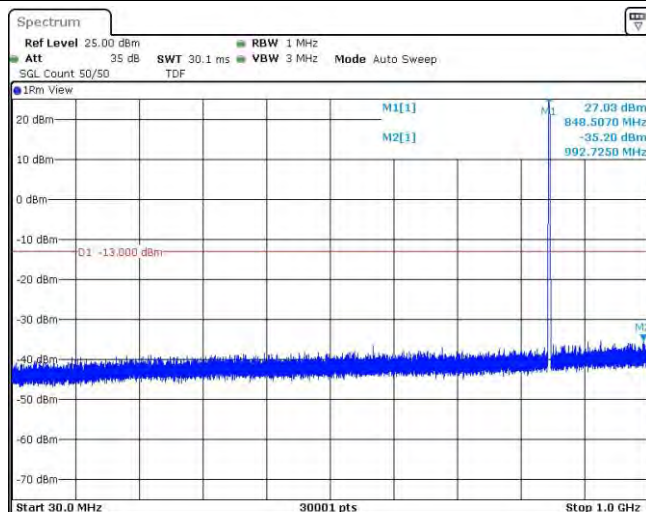
EGPRS850-190-8-0.009~0.15MHz



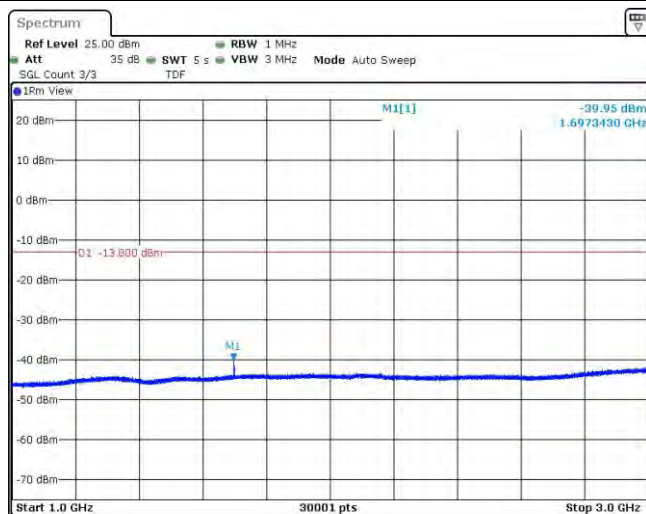
EGPRS850-190-8-0.15~30MHz



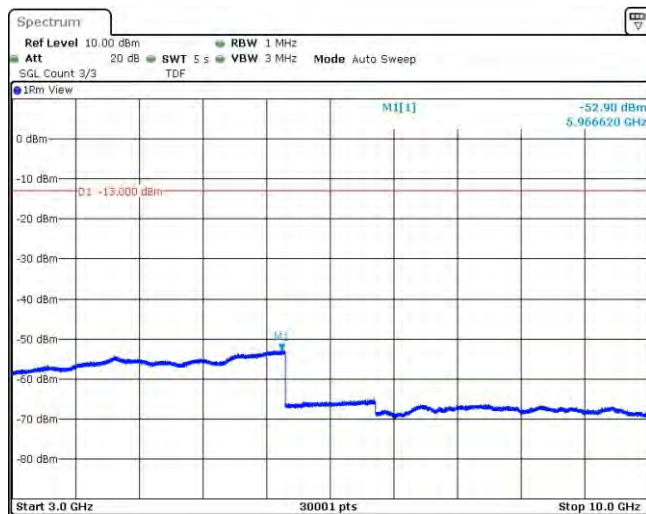
EGPRS850-190-8-30~1000MHz



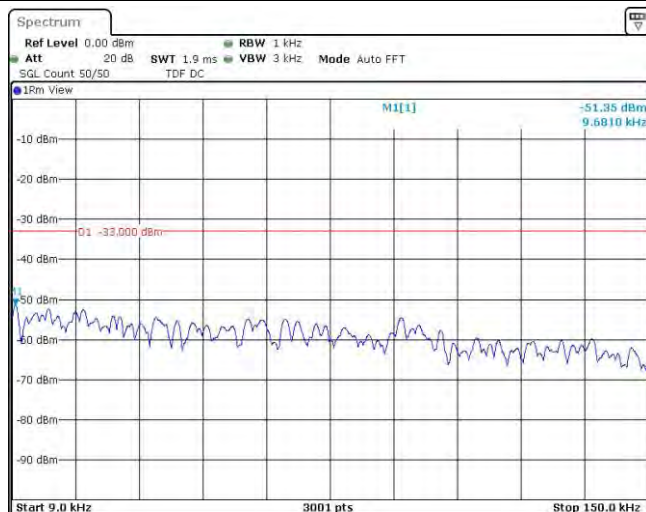
EGPRS850-190-8-1000~3000MHz



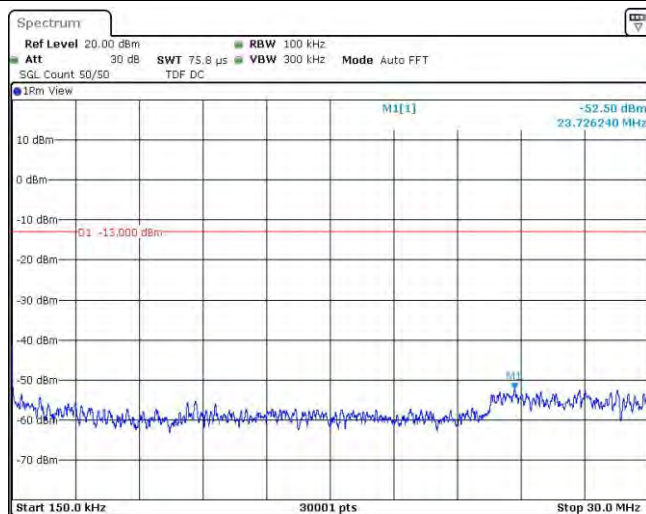
EGPRS850-190-8-3000~10000MHz



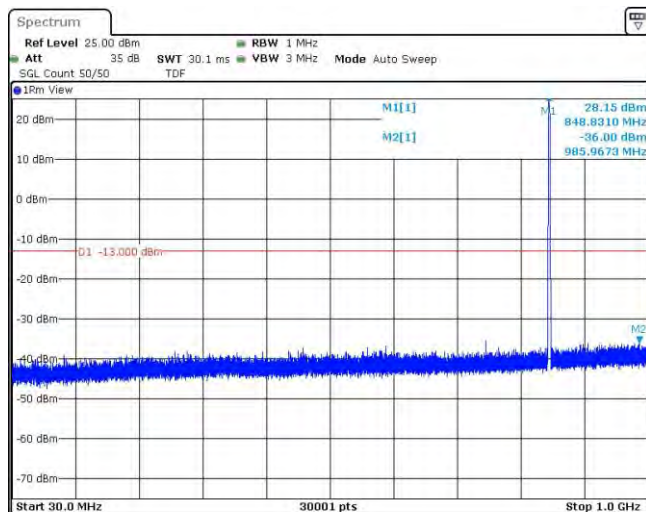
EGPRS850-251-8-0.009~0.15MHz



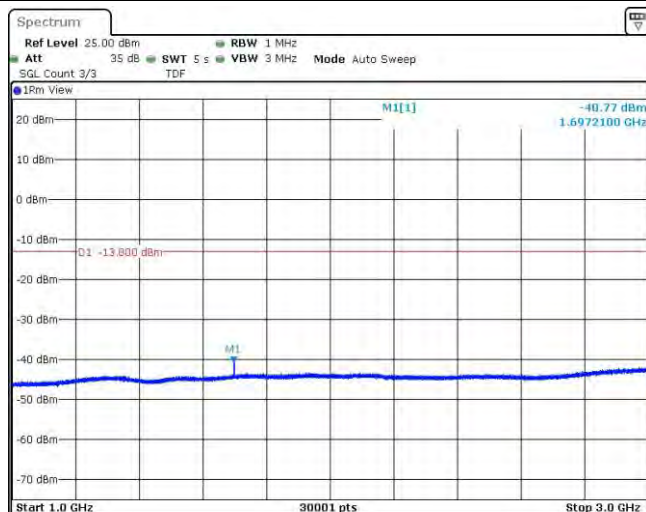
EGPRS850-251-8-0.15~30MHz



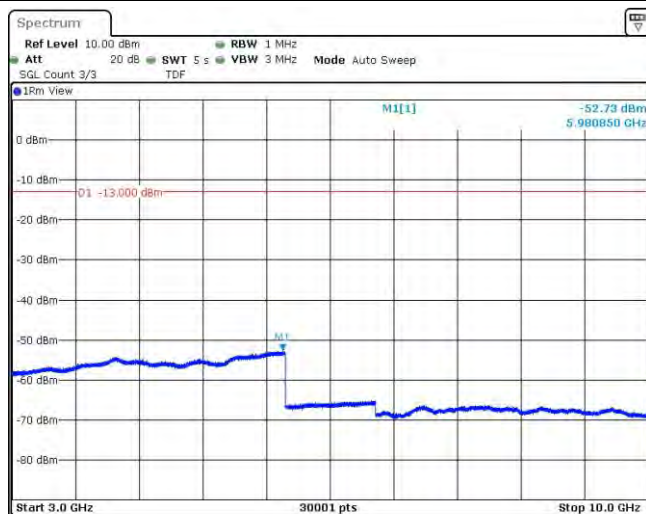
EGPRS850-251-8-30~1000MHz



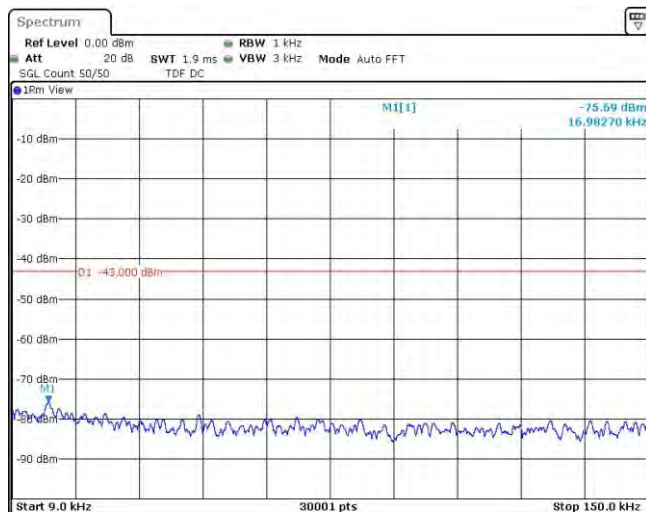
EGPRS850-251-8-1000~3000MHz



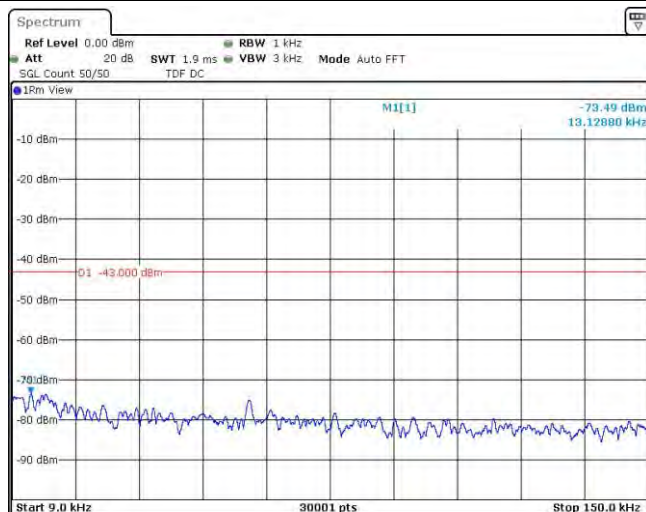
EGPRS850-251-8-3000~10000MHz



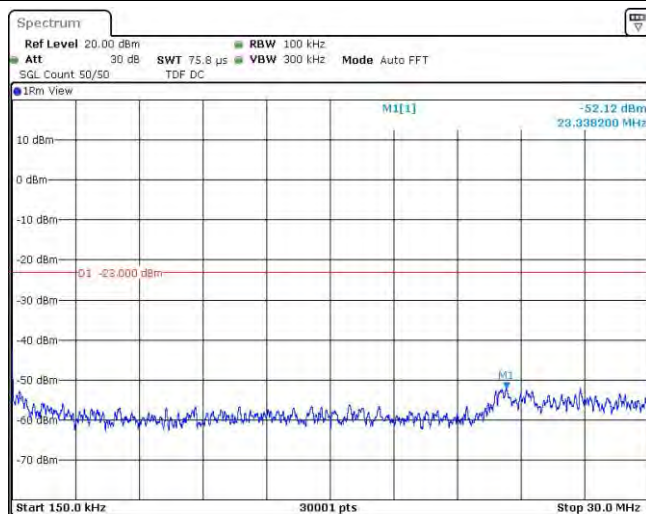
GSM1900-512-0-0.009~0.15MHz



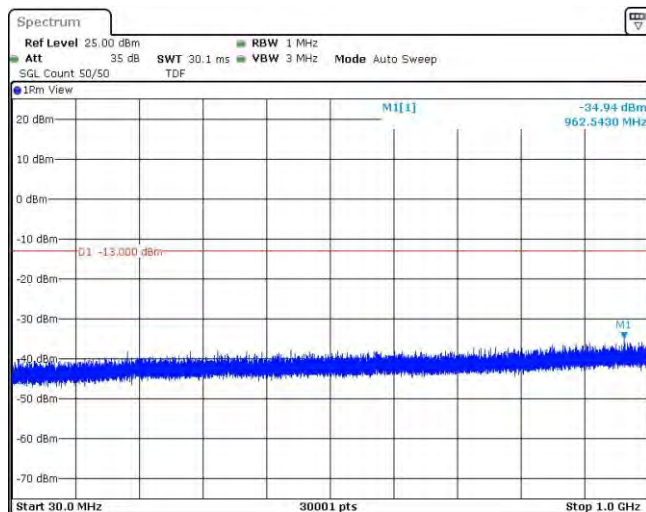
GPRS1900-512-0-0.009~0.15MHz



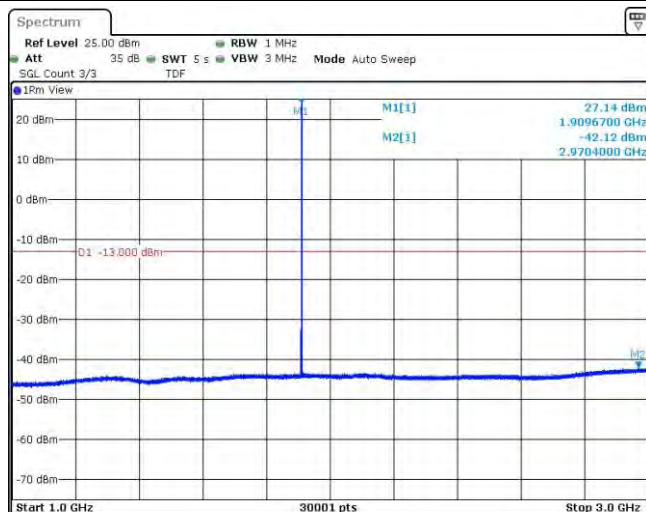
GPRS1900-512-0-0.15~30MHz



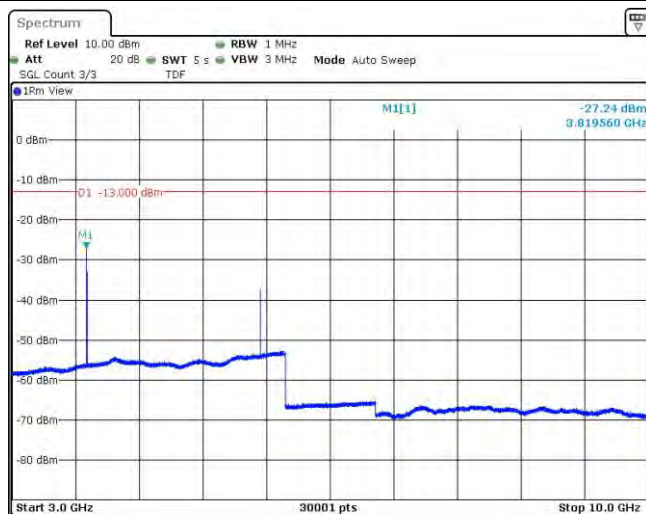
GPRS1900-512-0-30~1000MHz



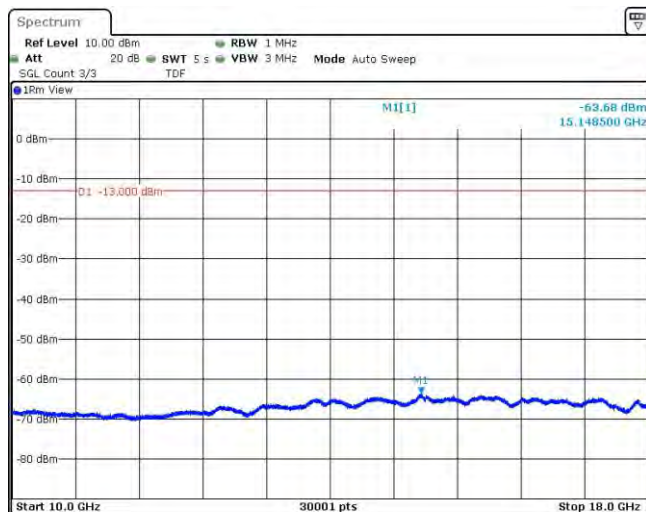
GPRS1900-512-0-1000~3000MHz



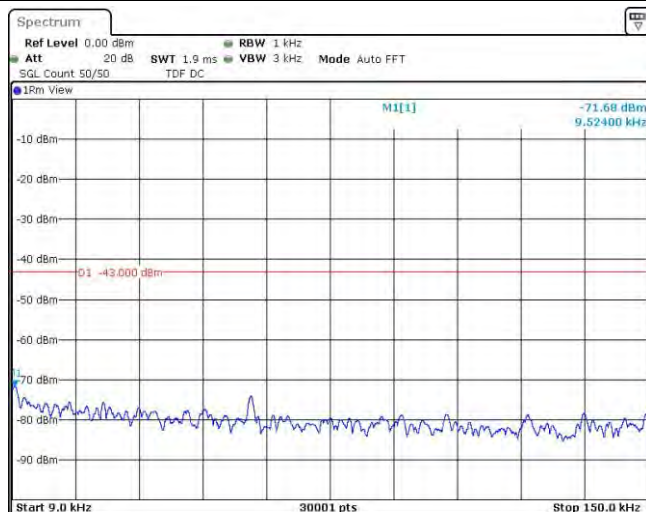
GPRS1900-512-0-3000~10000MHz



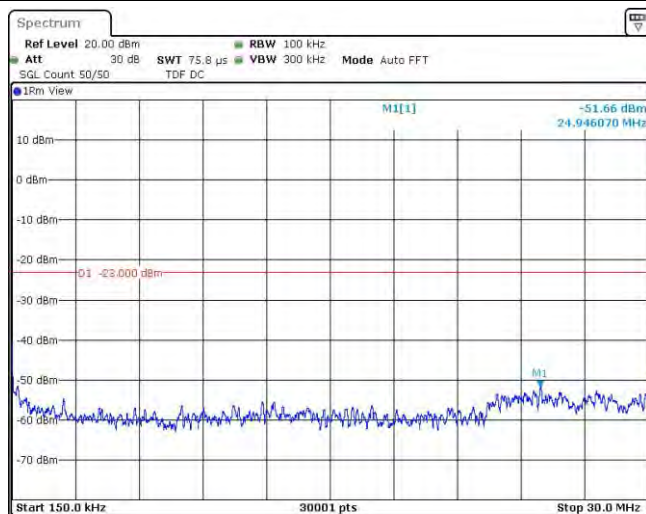
GPRS1900-512-0-10000~18000MHz



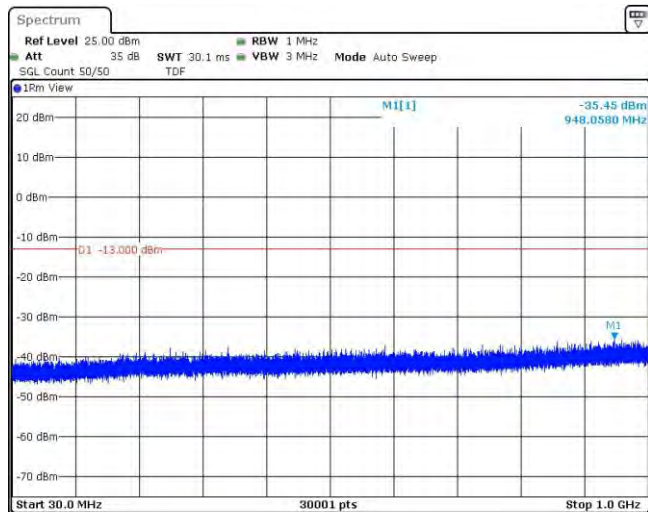
GPRS1900-661-0-0.009~0.15MHz



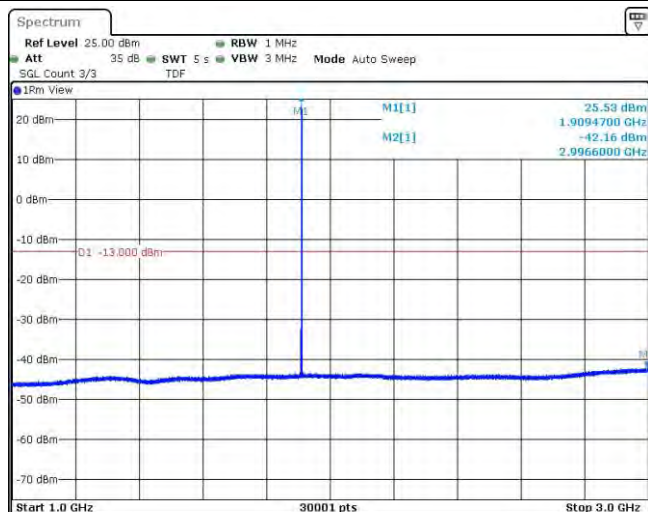
GPRS1900-661-0-0.15~30MHz



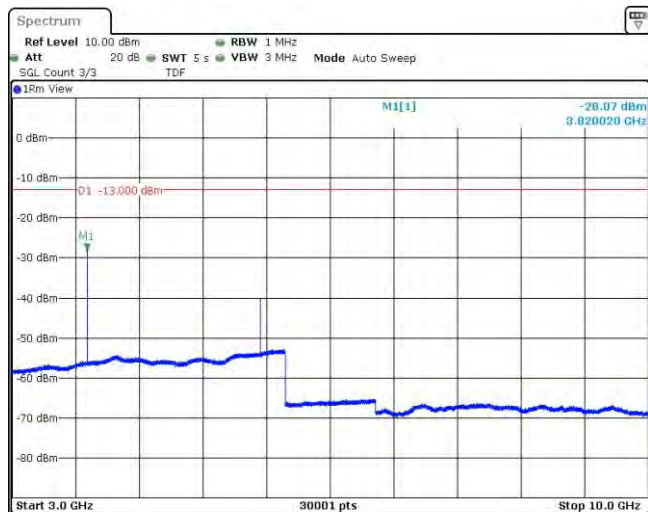
GPRS1900-661-0-30~1000MHz



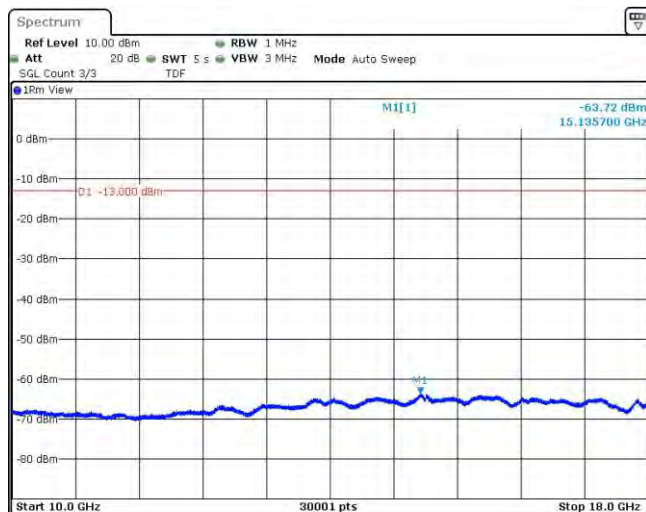
GPRS1900-661-0-1000~3000MHz



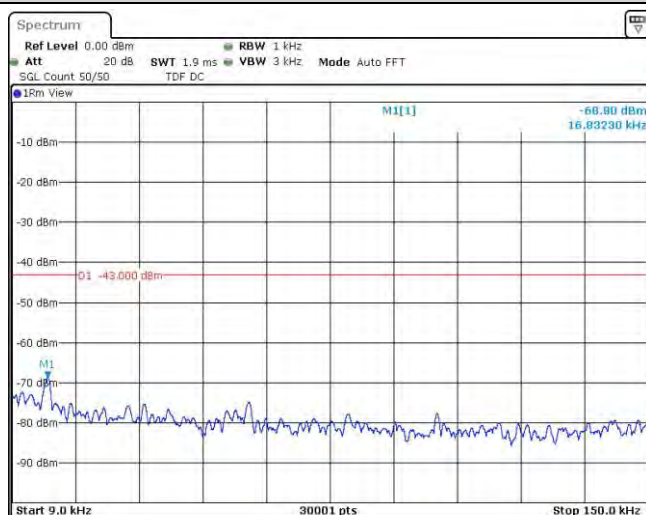
GPRS1900-661-0-3000~10000MHz



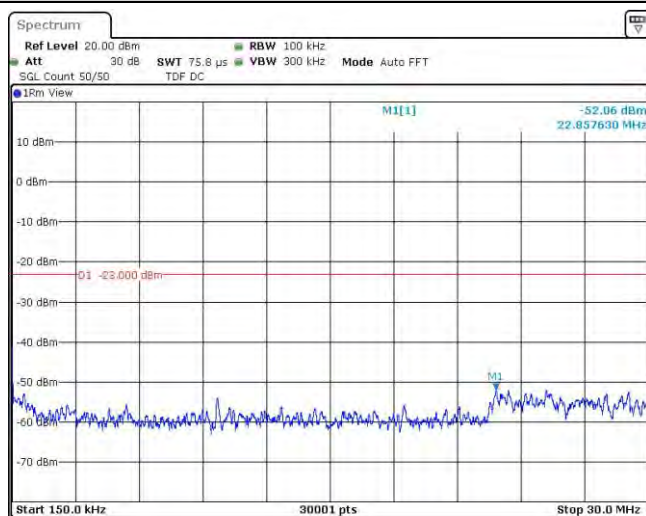
GPRS1900-661-0-10000~18000MHz



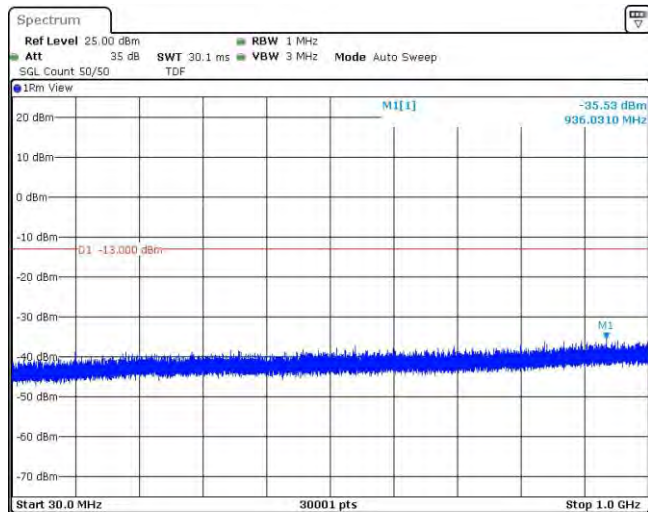
GPRS1900-810-0-0.009~0.15MHz



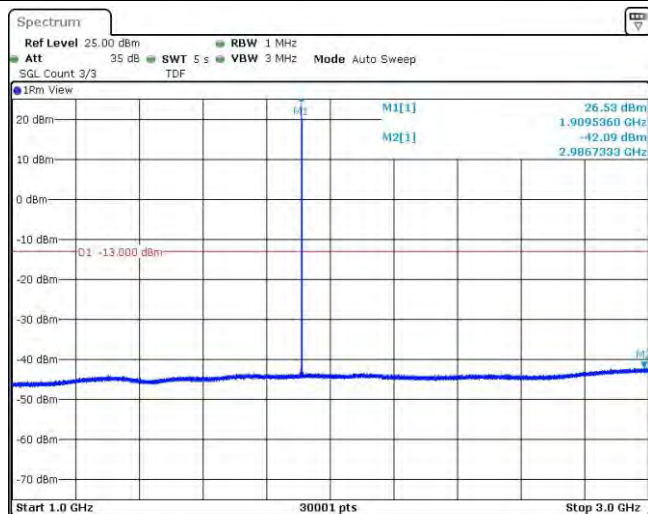
GPRS1900-810-0-0.15~30MHz



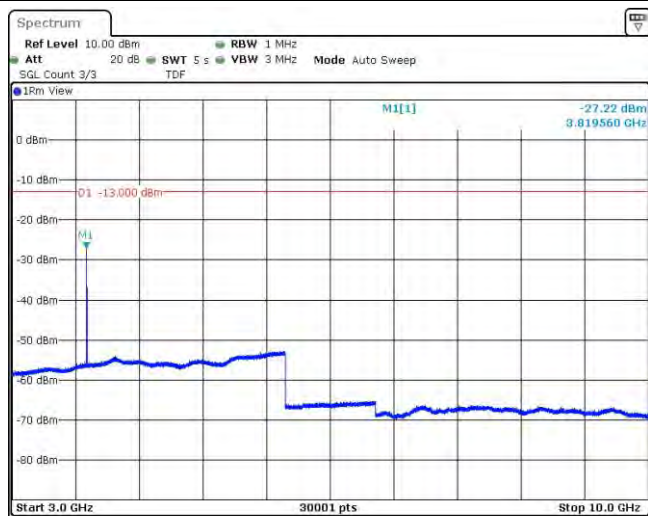
GPRS1900-810-0-30~1000MHz



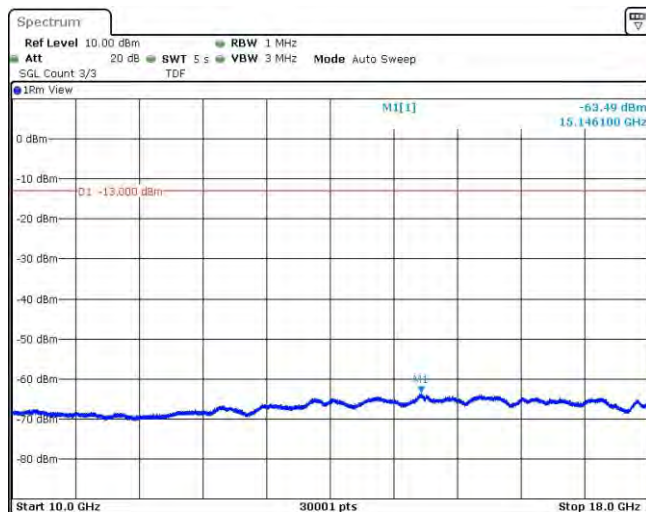
GPRS1900-810-0-1000~3000MHz



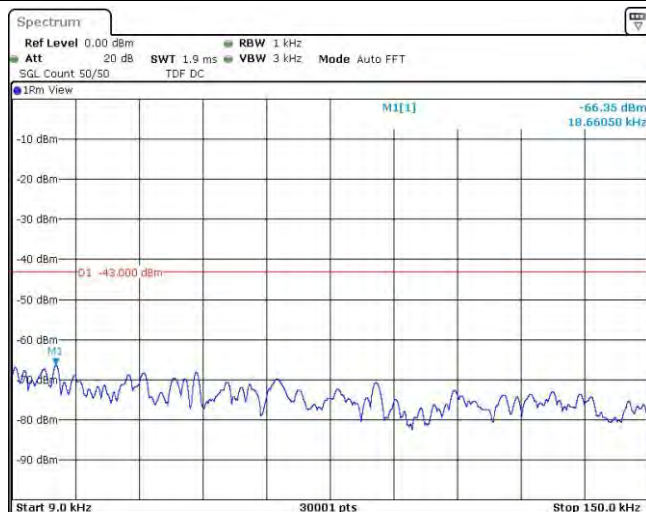
GPRS1900-810-0-3000~10000MHz



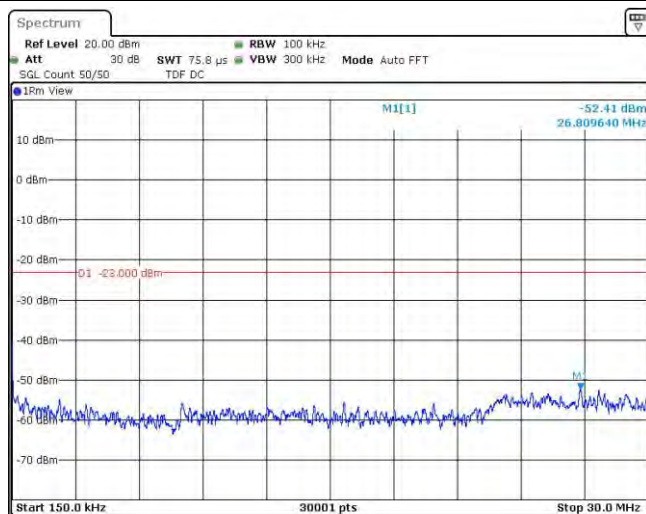
GPRS1900-810-0-10000~18000MHz



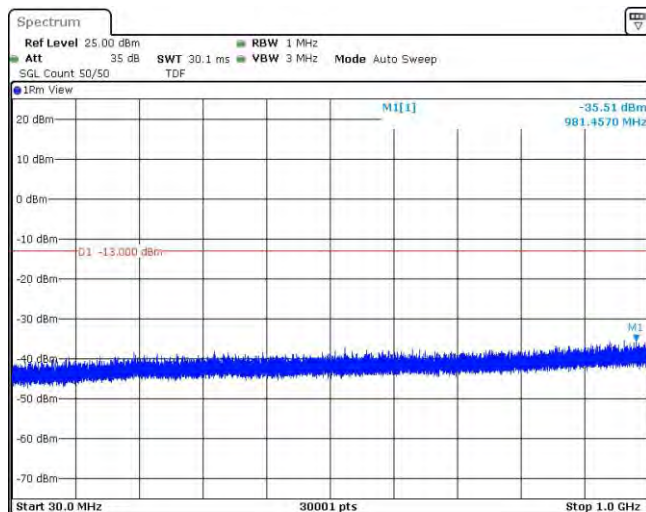
EGPRS1900-512-2-0.009~0.15MHz



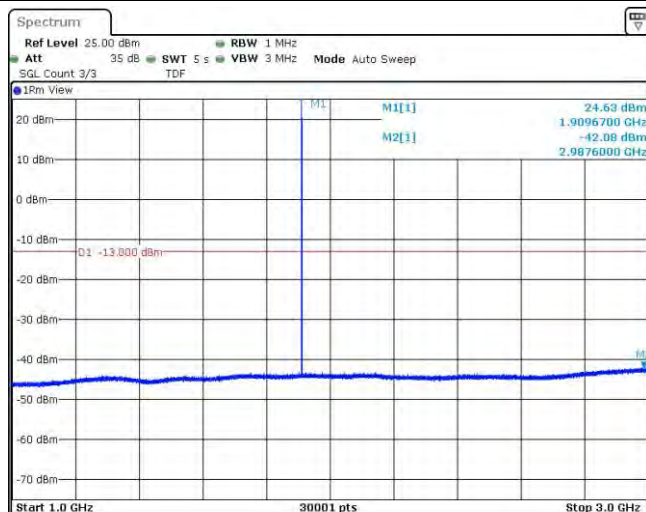
EGPRS1900-512-2-0.15~30MHz



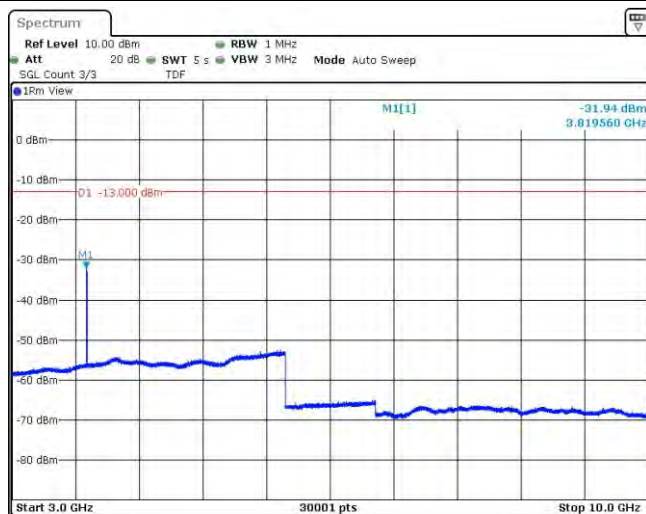
EGPRS1900-512-2-30~1000MHz



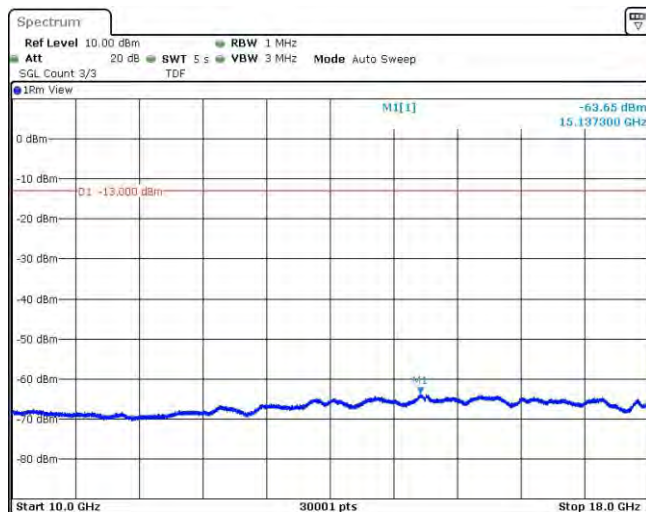
EGPRS1900-512-2-1000~3000MHz



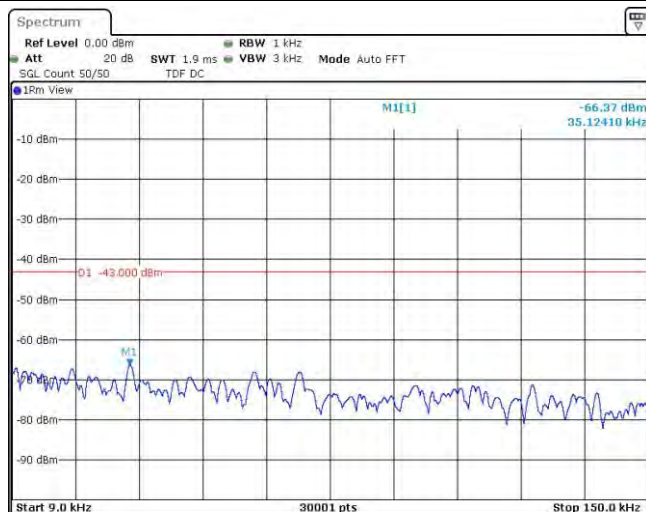
EGPRS1900-512-2-3000~10000MHz



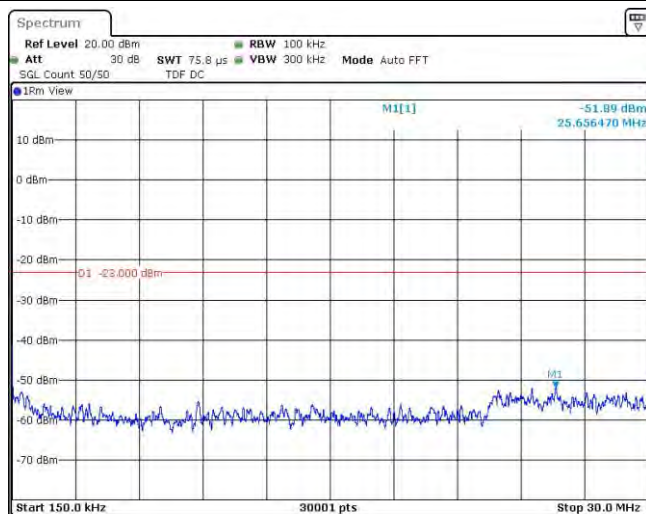
EGPRS1900-512-2-10000~18000MHz



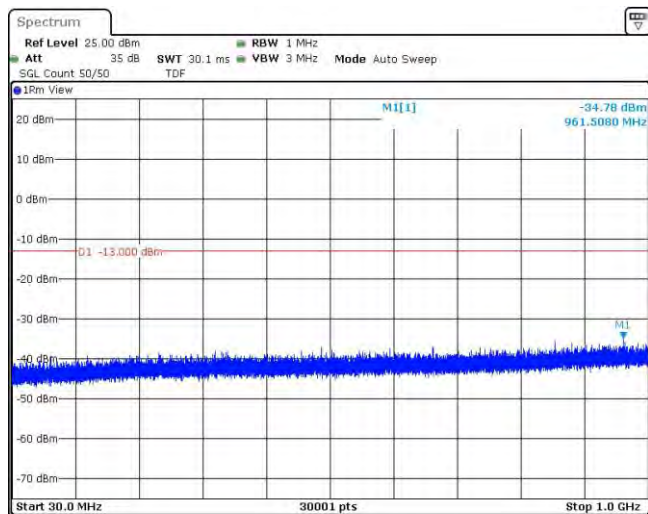
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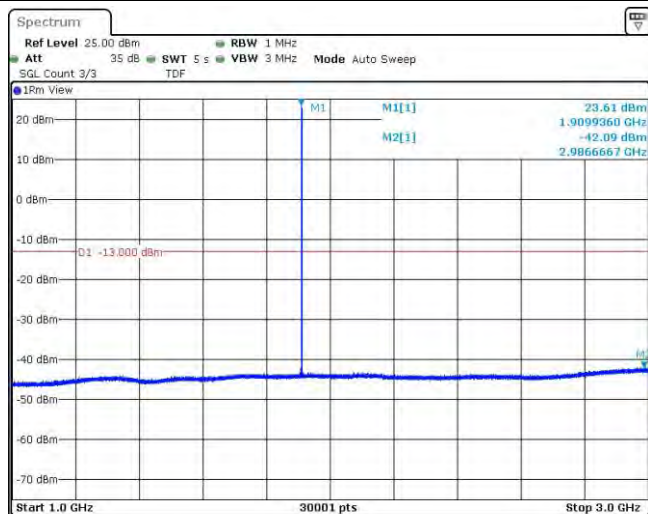
EGPRS1900-661-2-0.15~30MHz



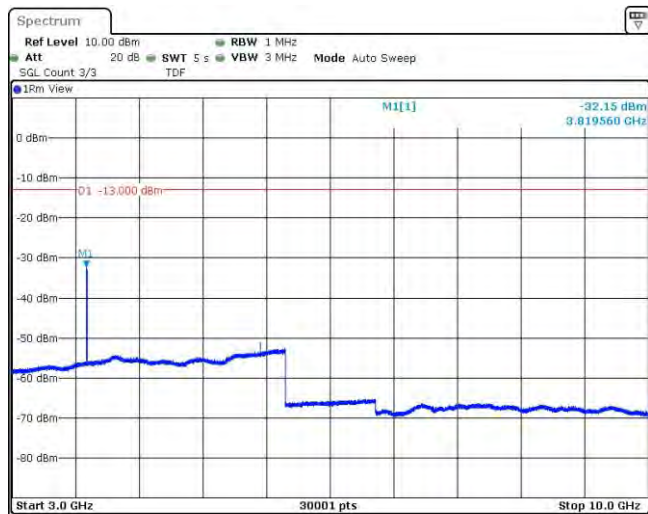
EGPRS1900-661-2-30~1000MHz



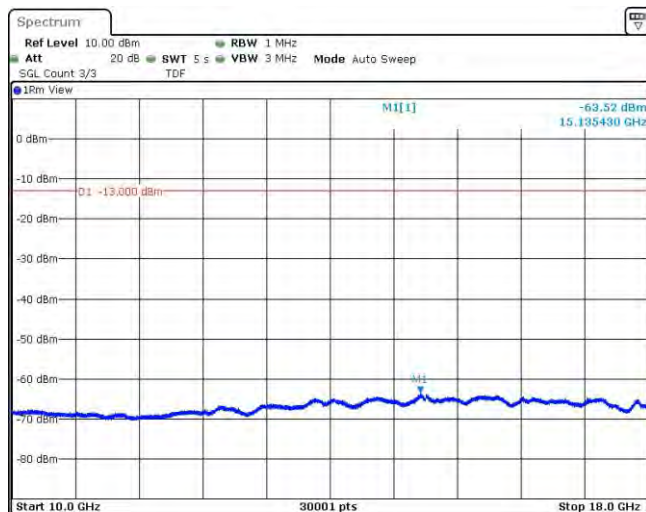
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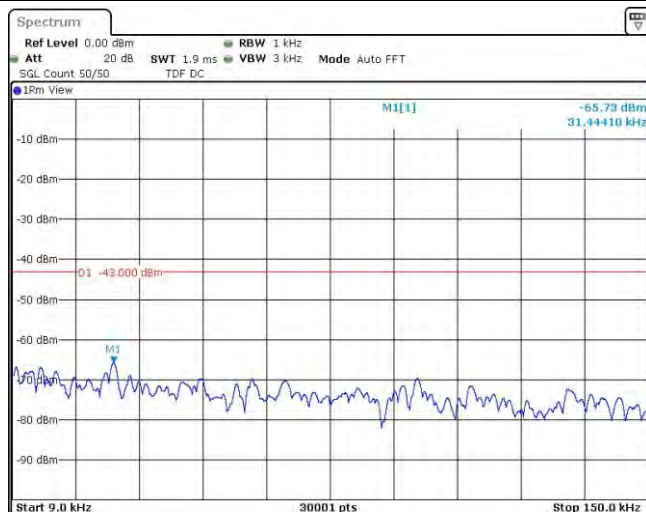
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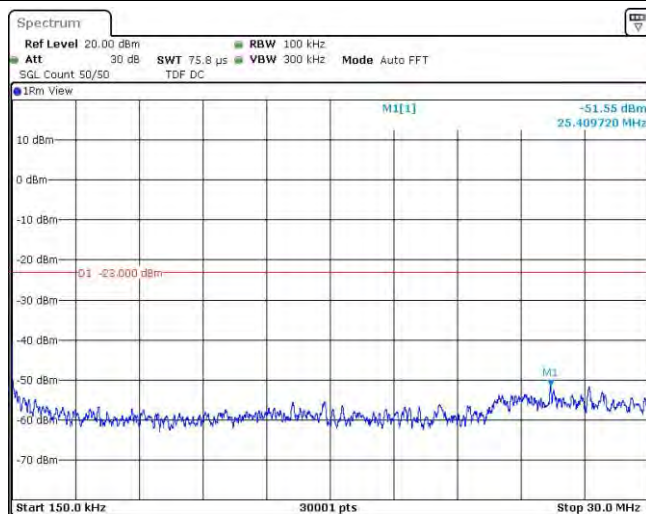
EGPRS1900-661-2-10000~18000MHz



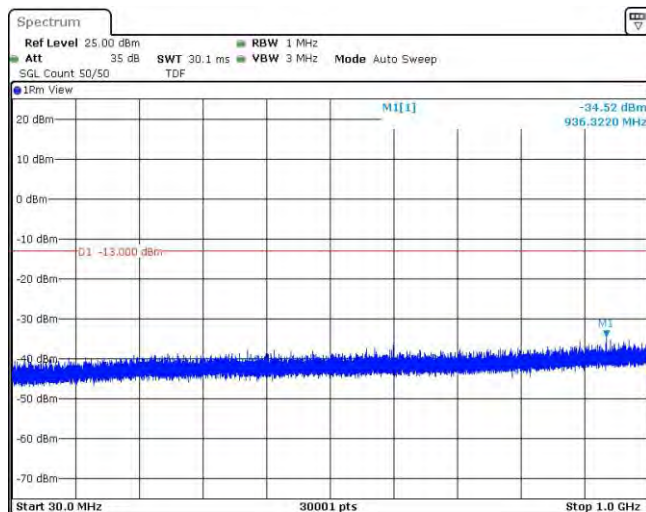
EGPRS1900-810-2-0.009~0.15MHz



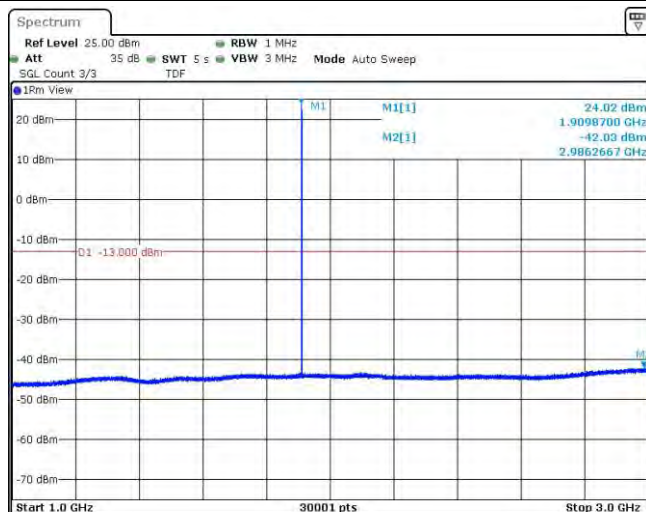
EGPRS1900-810-2-0.15~30MHz



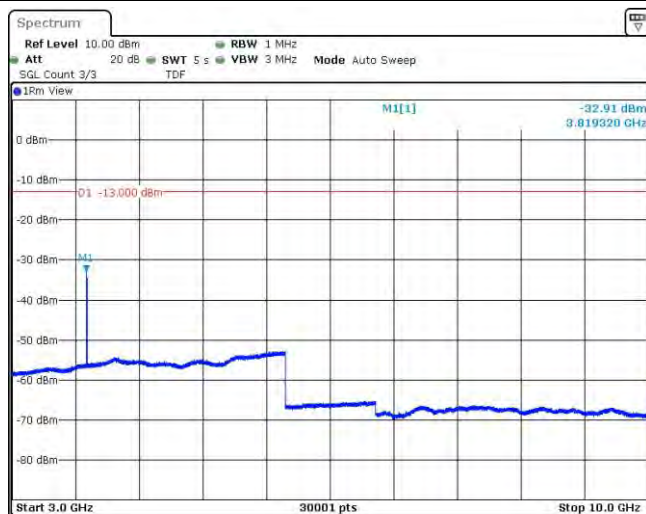
EGPRS1900-810-2-30~1000MHz



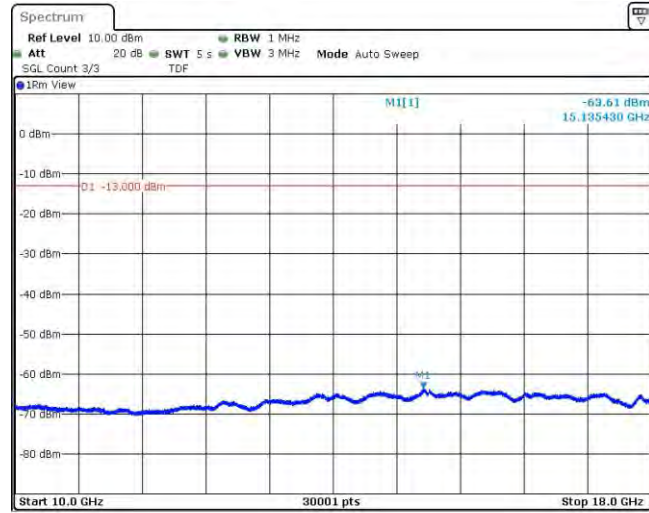
EGPRS1900-810-2-1000~3000MHz



EGPRS1900-810-2-3000~10000MHz



EGPRS1900-810-2-10000~18000MHz



Appendix F: Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GPRS850	128	VL	NT	-0.02	-0.000024	±2.5	PASS
GPRS850	128	VN	NT	0.83	0.001007	±2.5	PASS
GPRS850	128	VH	NT	1.71	0.002075	±2.5	PASS
GPRS850	190	VL	NT	-0.46	-0.000550	±2.5	PASS
GPRS850	190	VN	NT	-1.23	-0.001470	±2.5	PASS
GPRS850	190	VH	NT	-0.78	-0.000932	±2.5	PASS
GPRS850	251	VL	NT	2.39	0.002816	±2.5	PASS
GPRS850	251	VN	NT	0.61	0.000719	±2.5	PASS
GPRS850	251	VH	NT	3.14	0.003699	±2.5	PASS
EGPRS850	128	VL	NT	-2.16	-0.002621	±2.5	PASS
EGPRS850	128	VN	NT	-3.29	-0.003992	±2.5	PASS
EGPRS850	128	VH	NT	-2.32	-0.002815	±2.5	PASS
EGPRS850	190	VL	NT	-7.68	-0.009180	±2.5	PASS
EGPRS850	190	VN	NT	-5.29	-0.006323	±2.5	PASS
EGPRS850	190	VH	NT	-6.72	-0.008033	±2.5	PASS
EGPRS850	251	VL	NT	-2.35	-0.002769	±2.5	PASS
EGPRS850	251	VN	NT	-3.81	-0.004489	±2.5	PASS
EGPRS850	251	VH	NT	-4.07	-0.004795	±2.5	PASS
GPRS1900	512	VL	NT	-0.24	-0.000130	±2.5	PASS
GPRS1900	512	VN	NT	6.62	0.003578	±2.5	PASS
GPRS1900	512	VH	NT	-1.24	-0.000670	±2.5	PASS
GPRS1900	661	VL	NT	10.57	0.005622	±2.5	PASS
GPRS1900	661	VN	NT	9.51	0.005059	±2.5	PASS
GPRS1900	661	VH	NT	10.78	0.005734	±2.5	PASS
GPRS1900	810	VL	NT	20.91	0.010949	±2.5	PASS
GPRS1900	810	VN	NT	17.83	0.009336	±2.5	PASS
GPRS1900	810	VH	NT	11.74	0.006147	±2.5	PASS
EGPRS1900	512	VL	NT	-5.36	-0.002897	±2.5	PASS
EGPRS1900	512	VN	NT	-4.40	-0.002378	±2.5	PASS
EGPRS1900	512	VH	NT	-6.96	-0.003762	±2.5	PASS
EGPRS1900	661	VL	NT	-4.56	-0.002426	±2.5	PASS
EGPRS1900	661	VN	NT	-5.84	-0.003106	±2.5	PASS
EGPRS1900	661	VH	NT	3.32	0.001766	±2.5	PASS

Voltage							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
EGPRS1900	810	VL	NT	5.56	0.002911	±2.5	PASS
EGPRS1900	810	VN	NT	0.44	0.000230	±2.5	PASS
EGPRS1900	810	VH	NT	9.42	0.004932	±2.5	PASS

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GPRS850	128	NV	-30	2.30	0.002791	±2.5	PASS
GPRS850	128	NV	-20	2.17	0.002633	±2.5	PASS
GPRS850	128	NV	-10	1.09	0.001322	±2.5	PASS
GPRS850	128	NV	0	0.83	0.001007	±2.5	PASS
GPRS850	128	NV	10	0.49	0.000595	±2.5	PASS
GPRS850	128	NV	20	-0.51	-0.000619	±2.5	PASS
GPRS850	128	NV	30	2.07	0.002512	±2.5	PASS
GPRS850	128	NV	40	2.39	0.002900	±2.5	PASS
GPRS850	128	NV	50	1.47	0.001784	±2.5	PASS
GPRS850	190	NV	-30	-0.42	-0.000502	±2.5	PASS
GPRS850	190	NV	-20	1.20	0.001434	±2.5	PASS
GPRS850	190	NV	-10	0.72	0.000861	±2.5	PASS
GPRS850	190	NV	0	0.10	0.000120	±2.5	PASS
GPRS850	190	NV	10	-1.09	-0.001303	±2.5	PASS
GPRS850	190	NV	20	3.75	0.004482	±2.5	PASS
GPRS850	190	NV	30	2.62	0.003132	±2.5	PASS
GPRS850	190	NV	40	-2.62	-0.003132	±2.5	PASS
GPRS850	190	NV	50	-3.35	-0.004004	±2.5	PASS
GPRS850	251	NV	-30	2.78	0.003275	±2.5	PASS
GPRS850	251	NV	-20	2.09	0.002462	±2.5	PASS
GPRS850	251	NV	-10	1.33	0.001567	±2.5	PASS
GPRS850	251	NV	0	1.41	0.001661	±2.5	PASS
GPRS850	251	NV	10	-0.28	-0.000330	±2.5	PASS
GPRS850	251	NV	20	1.38	0.001626	±2.5	PASS
GPRS850	251	NV	30	0.68	0.000801	±2.5	PASS
GPRS850	251	NV	40	-0.19	-0.000224	±2.5	PASS
GPRS850	251	NV	50	1.13	0.001331	±2.5	PASS
EGPRS850	128	NV	-30	-3.36	-0.004077	±2.5	PASS
EGPRS850	128	NV	-20	-8.25	-0.010010	±2.5	PASS

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
EGPRS850	128	NV	-10	-5.95	-0.007219	±2.5	PASS
EGPRS850	128	NV	0	-7.44	-0.009027	±2.5	PASS
EGPRS850	128	NV	10	-3.16	-0.003834	±2.5	PASS
EGPRS850	128	NV	20	-5.26	-0.006382	±2.5	PASS
EGPRS850	128	NV	30	-7.68	-0.009318	±2.5	PASS
EGPRS850	128	NV	40	-8.73	-0.010592	±2.5	PASS
EGPRS850	128	NV	50	-4.09	-0.004962	±2.5	PASS
EGPRS850	190	NV	-30	-5.86	-0.007005	±2.5	PASS
EGPRS850	190	NV	-20	-5.15	-0.006156	±2.5	PASS
EGPRS850	190	NV	-10	-7.45	-0.008905	±2.5	PASS
EGPRS850	190	NV	0	-2.44	-0.002917	±2.5	PASS
EGPRS850	190	NV	10	-3.85	-0.004602	±2.5	PASS
EGPRS850	190	NV	20	-5.91	-0.007064	±2.5	PASS
EGPRS850	190	NV	30	-4.83	-0.005773	±2.5	PASS
EGPRS850	190	NV	40	-7.90	-0.009443	±2.5	PASS
EGPRS850	190	NV	50	-8.70	-0.010399	±2.5	PASS
EGPRS850	251	NV	-30	-6.13	-0.007222	±2.5	PASS
EGPRS850	251	NV	-20	-5.70	-0.006715	±2.5	PASS
EGPRS850	251	NV	-10	-7.37	-0.008683	±2.5	PASS
EGPRS850	251	NV	0	-5.92	-0.006975	±2.5	PASS
EGPRS850	251	NV	10	-6.03	-0.007104	±2.5	PASS
EGPRS850	251	NV	20	-5.06	-0.005961	±2.5	PASS
EGPRS850	251	NV	30	-5.36	-0.006315	±2.5	PASS
EGPRS850	251	NV	40	-4.26	-0.005019	±2.5	PASS
EGPRS850	251	NV	50	-5.48	-0.006456	±2.5	PASS
GPRS1900	512	NV	-30	3.65	0.001973	±2.5	PASS
GPRS1900	512	NV	-20	5.58	0.003016	±2.5	PASS
GPRS1900	512	NV	-10	6.73	0.003637	±2.5	PASS
GPRS1900	512	NV	0	1.05	0.000568	±2.5	PASS
GPRS1900	512	NV	10	3.07	0.001659	±2.5	PASS
GPRS1900	512	NV	20	-0.81	-0.000438	±2.5	PASS
GPRS1900	512	NV	30	0.22	0.000119	±2.5	PASS
GPRS1900	512	NV	40	0.48	0.000259	±2.5	PASS
GPRS1900	512	NV	50	4.69	0.002535	±2.5	PASS
GPRS1900	661	NV	-30	12.32	0.006553	±2.5	PASS
GPRS1900	661	NV	-20	11.88	0.006319	±2.5	PASS
GPRS1900	661	NV	-10	12.46	0.006628	±2.5	PASS

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GPRS1900	661	NV	0	12.78	0.006798	±2.5	PASS
GPRS1900	661	NV	10	13.18	0.007011	±2.5	PASS
GPRS1900	661	NV	20	14.60	0.007766	±2.5	PASS
GPRS1900	661	NV	30	7.72	0.004106	±2.5	PASS
GPRS1900	661	NV	40	5.54	0.002947	±2.5	PASS
GPRS1900	661	NV	50	7.54	0.004011	±2.5	PASS
GPRS1900	810	NV	-30	11.29	0.005912	±2.5	PASS
GPRS1900	810	NV	-20	14.55	0.007619	±2.5	PASS
GPRS1900	810	NV	-10	10.99	0.005755	±2.5	PASS
GPRS1900	810	NV	0	11.14	0.005833	±2.5	PASS
GPRS1900	810	NV	10	10.71	0.005608	±2.5	PASS
GPRS1900	810	NV	20	9.36	0.004901	±2.5	PASS
GPRS1900	810	NV	30	14.42	0.007551	±2.5	PASS
GPRS1900	810	NV	40	17.25	0.009032	±2.5	PASS
GPRS1900	810	NV	50	13.85	0.007252	±2.5	PASS
EGPRS1900	512	NV	-30	-9.76	-0.005275	±2.5	PASS
EGPRS1900	512	NV	-20	-7.24	-0.003913	±2.5	PASS
EGPRS1900	512	NV	-10	-5.63	-0.003043	±2.5	PASS
EGPRS1900	512	NV	0	-4.45	-0.002405	±2.5	PASS
EGPRS1900	512	NV	10	-8.74	-0.004724	±2.5	PASS
EGPRS1900	512	NV	20	-3.47	-0.001875	±2.5	PASS
EGPRS1900	512	NV	30	-7.08	-0.003827	±2.5	PASS
EGPRS1900	512	NV	40	-7.55	-0.004081	±2.5	PASS
EGPRS1900	512	NV	50	-8.72	-0.004713	±2.5	PASS
EGPRS1900	661	NV	-30	3.94	0.002096	±2.5	PASS
EGPRS1900	661	NV	-20	5.84	0.003106	±2.5	PASS
EGPRS1900	661	NV	-10	-3.51	-0.001867	±2.5	PASS
EGPRS1900	661	NV	0	-2.82	-0.001500	±2.5	PASS
EGPRS1900	661	NV	10	-4.76	-0.002532	±2.5	PASS
EGPRS1900	661	NV	20	7.78	0.004138	±2.5	PASS
EGPRS1900	661	NV	30	7.34	0.003904	±2.5	PASS
EGPRS1900	661	NV	40	-3.16	-0.001681	±2.5	PASS
EGPRS1900	661	NV	50	-2.48	-0.001319	±2.5	PASS
EGPRS1900	810	NV	-30	5.89	0.003084	±2.5	PASS
EGPRS1900	810	NV	-20	1.82	0.000953	±2.5	PASS
EGPRS1900	810	NV	-10	1.38	0.000723	±2.5	PASS
EGPRS1900	810	NV	0	1.17	0.000613	±2.5	PASS

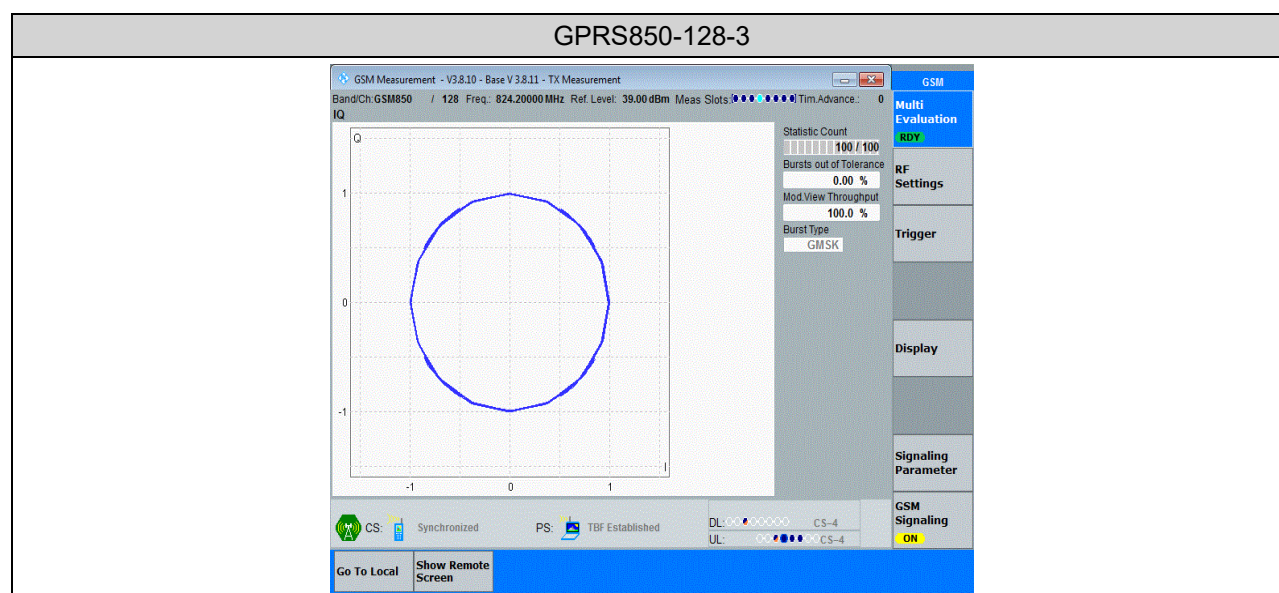
Temperature							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
EGPRS1900	810	NV	10	2.53	0.001325	±2.5	PASS
EGPRS1900	810	NV	20	3.18	0.001665	±2.5	PASS
EGPRS1900	810	NV	30	0.89	0.000466	±2.5	PASS
EGPRS1900	810	NV	40	2.36	0.001236	±2.5	PASS
EGPRS1900	810	NV	50	-0.72	-0.000377	±2.5	PASS

Appendix G: Modulation Characteristics

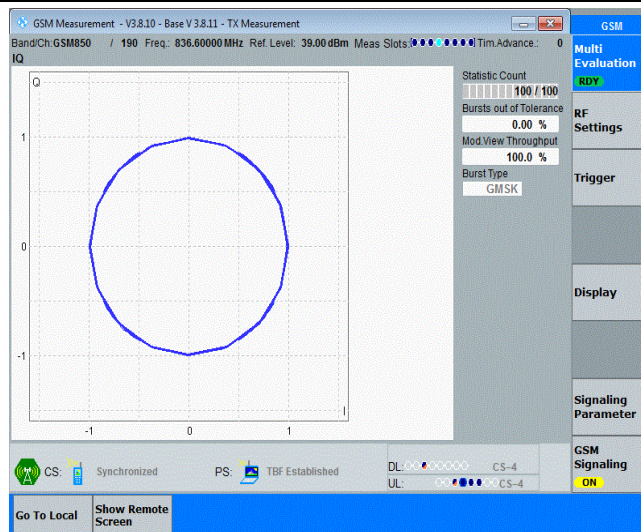
Test Result

Band	Channel	Result	Verdict
GPRS850	128	PASS	PASS
GPRS850	190	PASS	PASS
GPRS850	251	PASS	PASS
EGPRS850	128	PASS	PASS
EGPRS850	190	PASS	PASS
EGPRS850	251	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

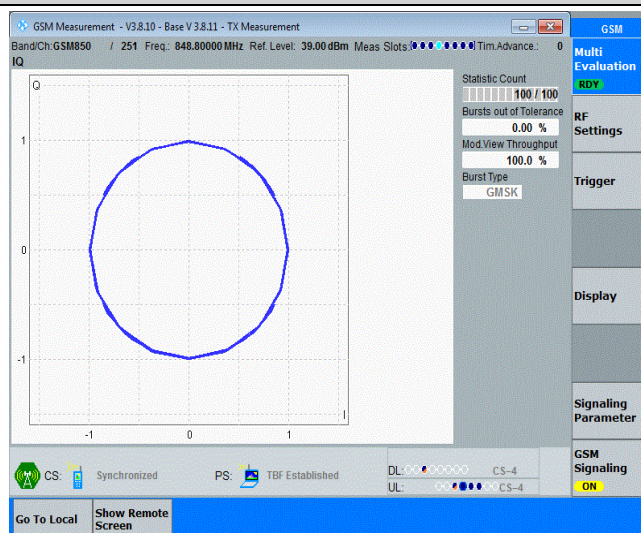
Test Graphs



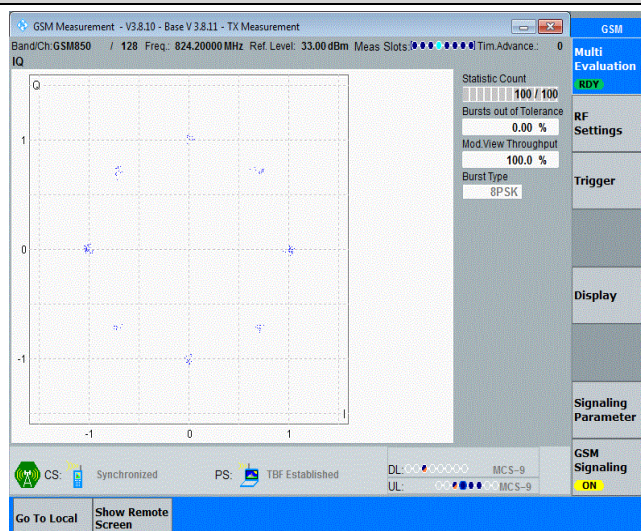
GPRS850-190-3



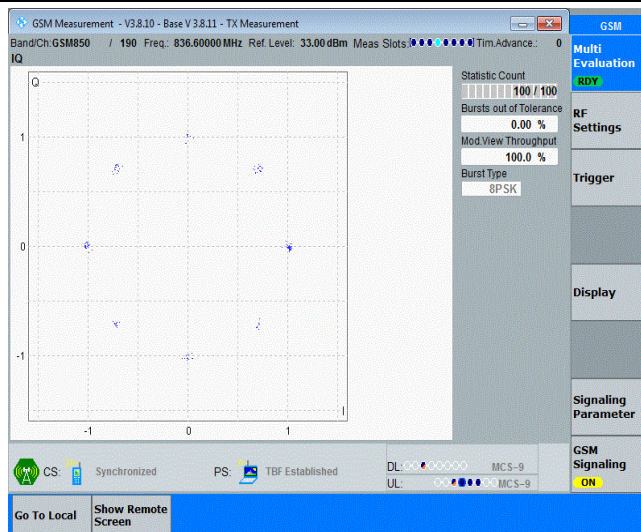
GPRS850-251-3



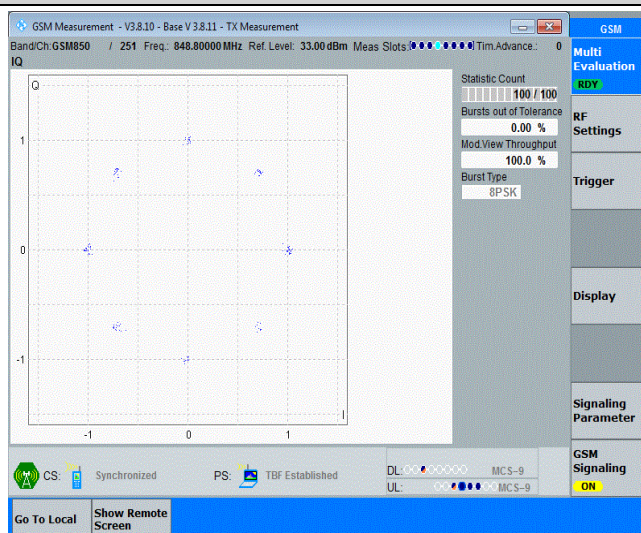
EGPRS850-128-8



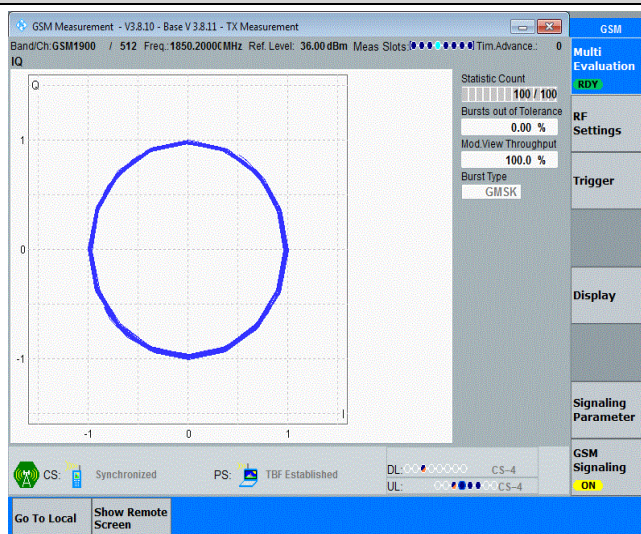
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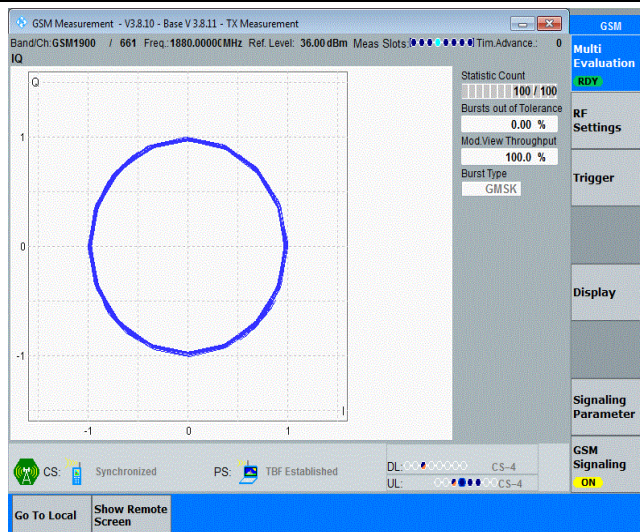
EGPRS850-251-8



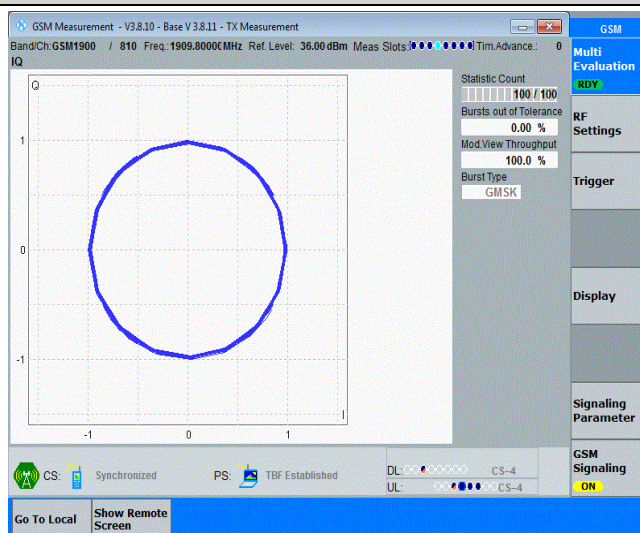
GPRS1900-512-0



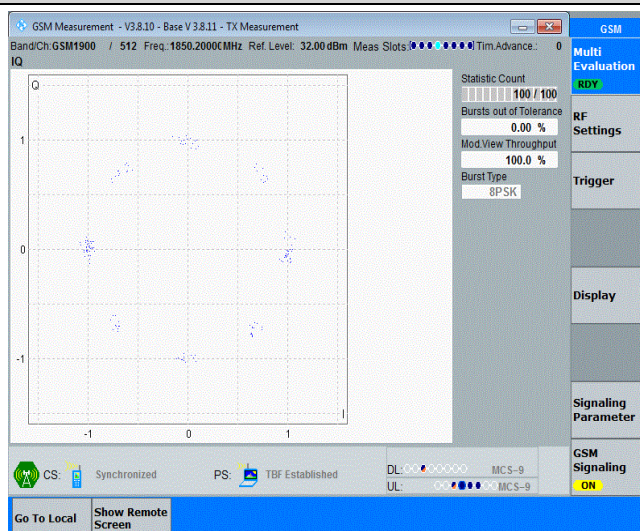
GPRS1900-661-0



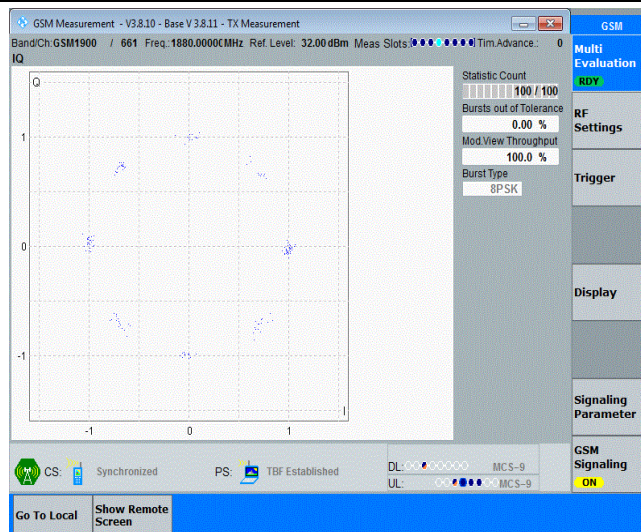
GPRS1900-810-0



EGPRS1900-512-2



EGPRS1900-661-2



EGPRS1900-810-2

