

Appendix for GSM 850 & DCS1900

Product Name: CSX8

Model No: LGT-08QA-2301

Appendix A: Average Power Output Data

Test Result

Band	Channel	Power(dBm)	Verdict
GSM850	128	32.63	PASS
GSM850	190	33.63	PASS
GSM850	251	33.16	PASS
GSM1900	512	29.74	PASS
GSM1900	661	30.64	PASS
GSM1900	810	30.47	PASS

Band	Channel	Slot	Power(dBm)	Verdict
GPRS850	128	1	32.50	PASS
GPRS850	128	2	30.28	PASS
GPRS850	128	3	28.24	PASS
GPRS850	128	4	25.73	PASS
GPRS850	190	1	33.50	PASS
GPRS850	190	2	31.34	PASS
GPRS850	190	3	29.11	PASS
GPRS850	190	4	26.48	PASS
GPRS850	251	1	33.05	PASS
GPRS850	251	2	30.52	PASS
GPRS850	251	3	28.71	PASS
GPRS850	251	4	26.11	PASS
GPRS1900	512	1	29.68	PASS
GPRS1900	512	2	27.27	PASS
GPRS1900	512	3	25.51	PASS
GPRS1900	512	4	24.09	PASS
GPRS1900	661	1	30.57	PASS
GPRS1900	661	2	28.31	PASS
GPRS1900	661	3	26.35	PASS
GPRS1900	661	4	25.05	PASS
GPRS1900	810	1	30.40	PASS
GPRS1900	810	2	27.80	PASS
GPRS1900	810	3	25.82	PASS
GPRS1900	810	4	24.57	PASS

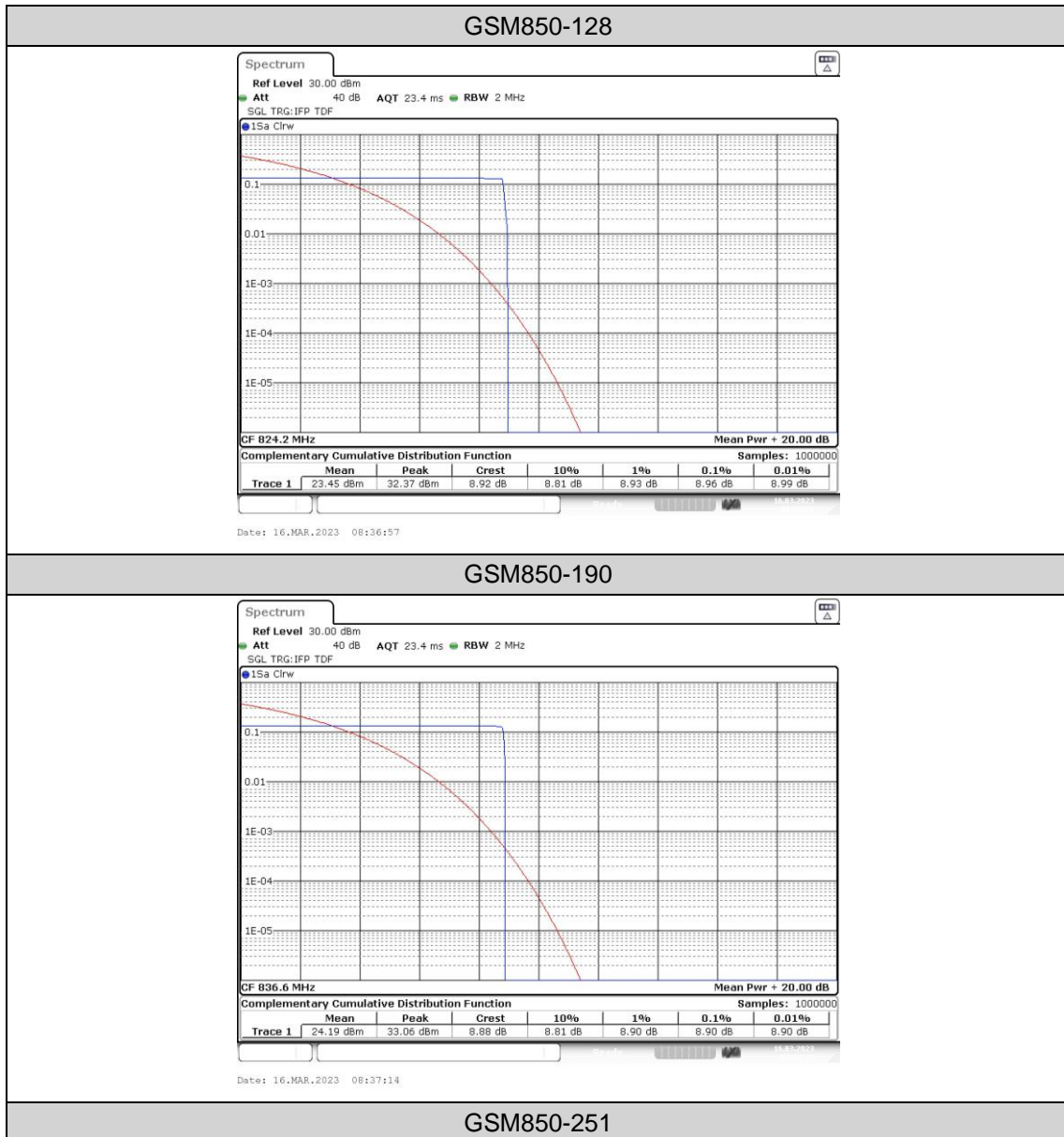
Band	Channel	Slot	Power(dBm)	Verdict
EGPRS850	128	1	26.79	PASS
EGPRS850	128	2	25.12	PASS
EGPRS850	128	3	23.17	PASS
EGPRS850	128	4	20.14	PASS
EGPRS850	190	1	27.64	PASS
EGPRS850	190	2	26.15	PASS
EGPRS850	190	3	24.13	PASS
EGPRS850	190	4	21.15	PASS
EGPRS850	251	1	26.88	PASS
EGPRS850	251	2	25.48	PASS
EGPRS850	251	3	23.55	PASS
EGPRS850	251	4	20.39	PASS
EGPRS1900	512	1	25.90	PASS
EGPRS1900	512	2	24.24	PASS
EGPRS1900	512	3	22.21	PASS
EGPRS1900	512	4	20.19	PASS
EGPRS1900	661	1	26.84	PASS
EGPRS1900	661	2	25.31	PASS
EGPRS1900	661	3	23.29	PASS
EGPRS1900	661	4	21.27	PASS
EGPRS1900	810	1	26.18	PASS
EGPRS1900	810	2	24.90	PASS
EGPRS1900	810	3	22.96	PASS
EGPRS1900	810	4	20.81	PASS

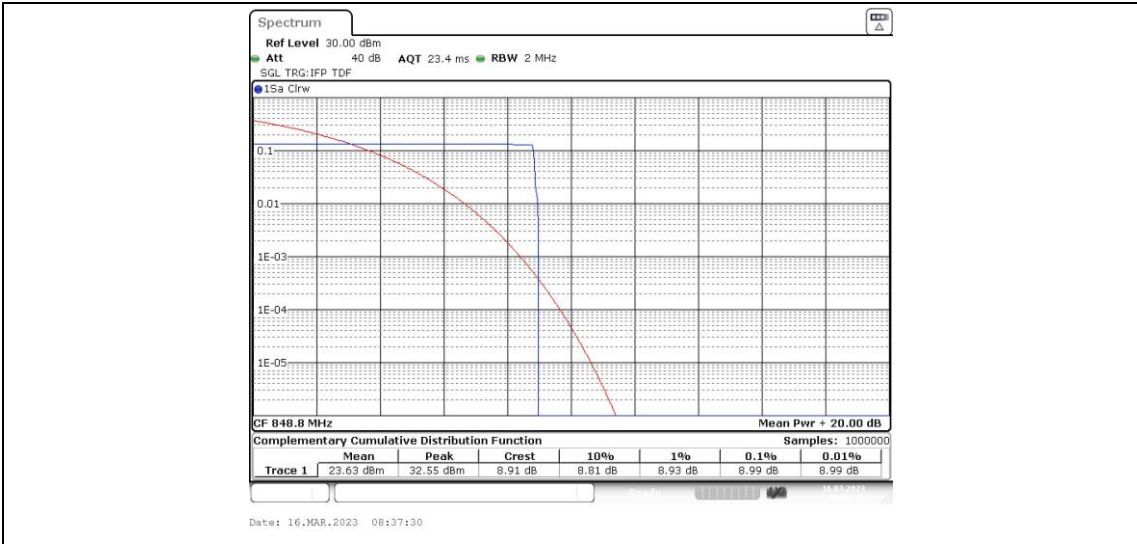
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

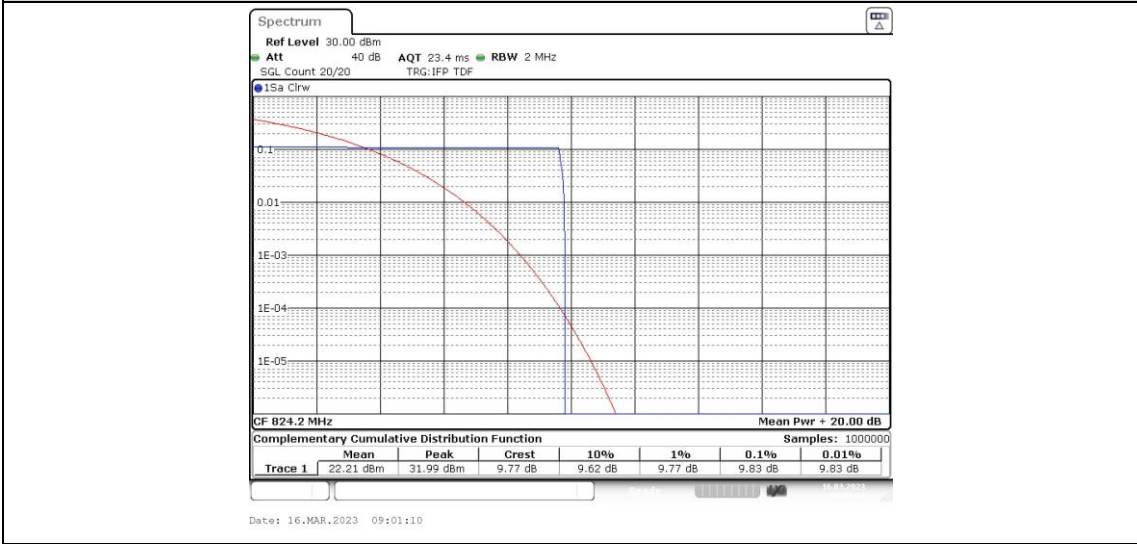
Band	Channel	Result(dB)	Limit(dB)	Verdict
GSM850	128	8.96	13	PASS
GSM850	190	8.9	13	PASS
GSM850	251	8.99	13	PASS
GPRS850	128	9.83	13	PASS
GPRS850	190	8.96	13	PASS
GPRS850	251	9.51	13	PASS
EGPRS850	128	11.77	13	PASS
EGPRS850	190	12.67	13	PASS
EGPRS850	251	11.83	13	PASS
GSM1900	512	9.48	13	PASS
GSM1900	661	8.9	13	PASS
GSM1900	810	9.8	13	PASS
GPRS1900	512	8.93	13	PASS
GPRS1900	661	8.93	13	PASS
GPRS1900	810	9.74	13	PASS
EGPRS1900	512	11.74	13	PASS
EGPRS1900	661	12.35	13	PASS
EGPRS1900	810	11.68	13	PASS

Test Graphs

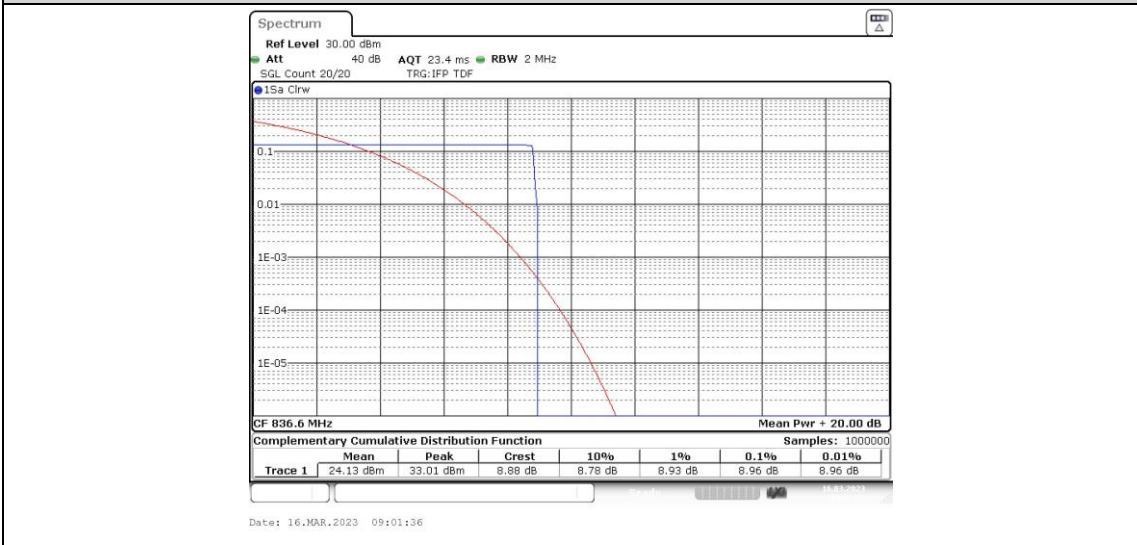




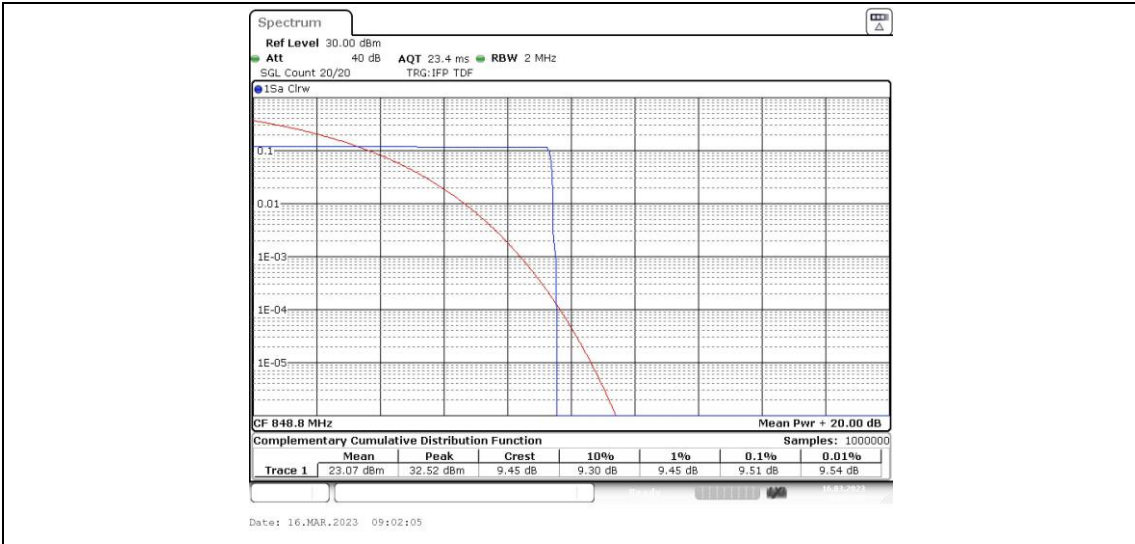
GPRS850-128



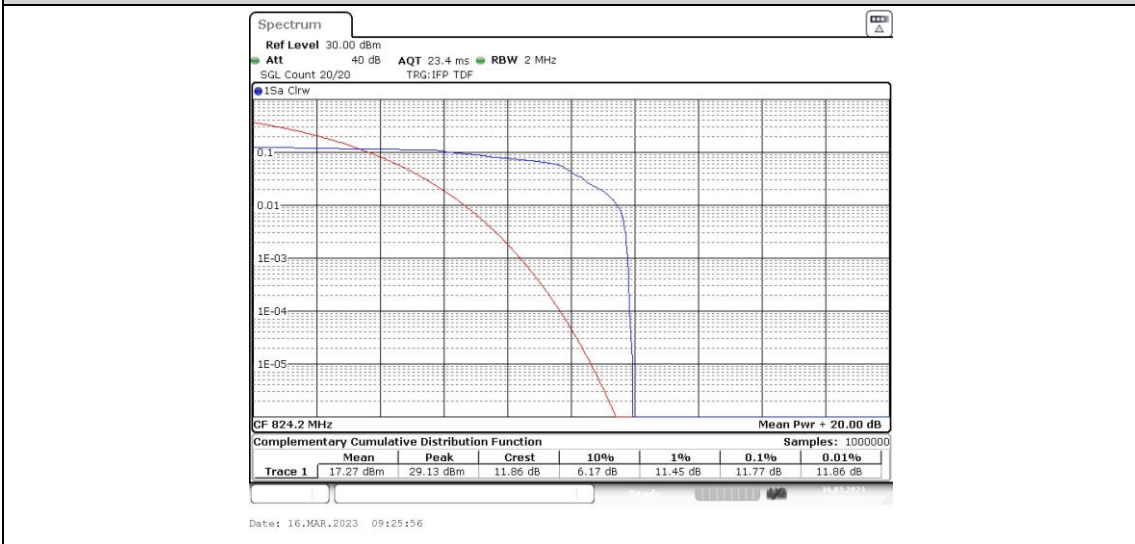
GPRS850-190



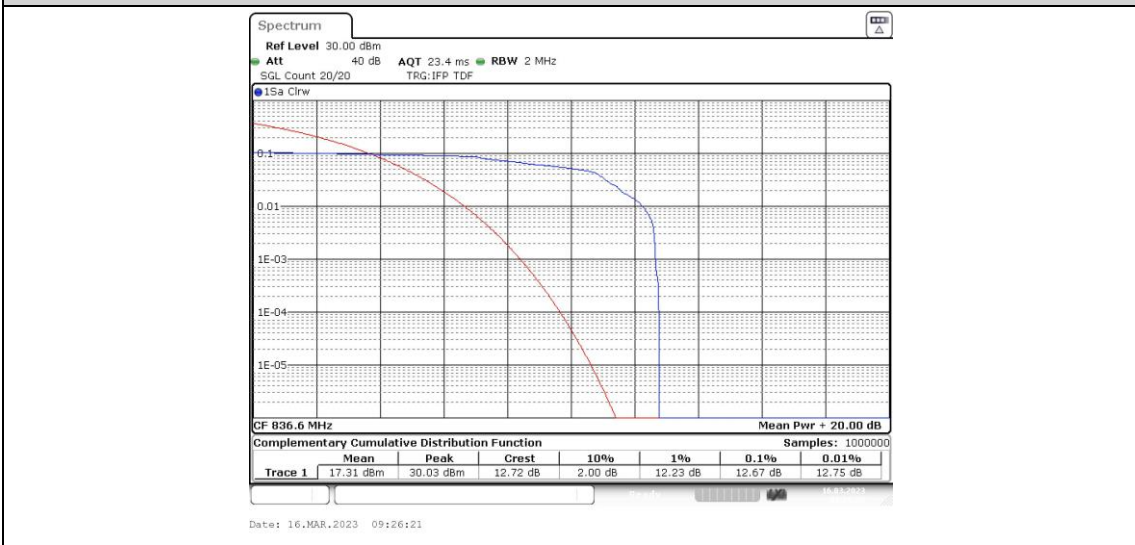
GPRS850-251



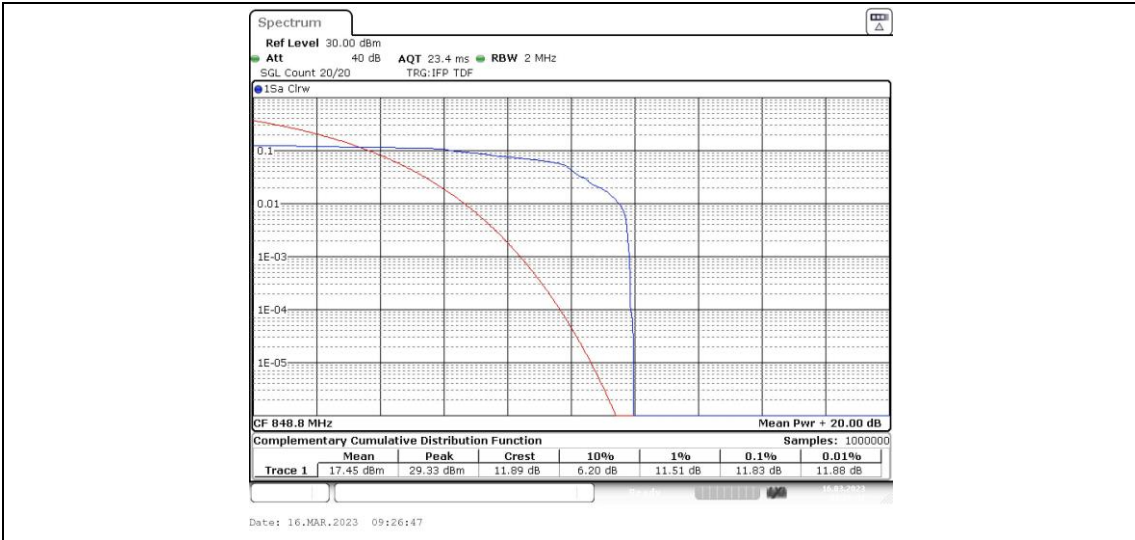
EGPRS850-128



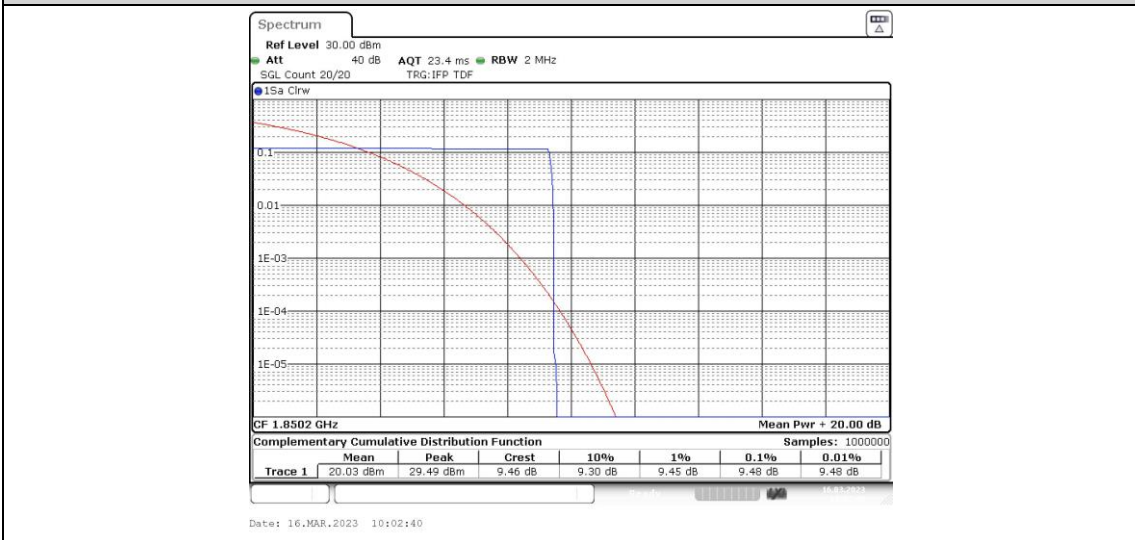
EGPRS850-190



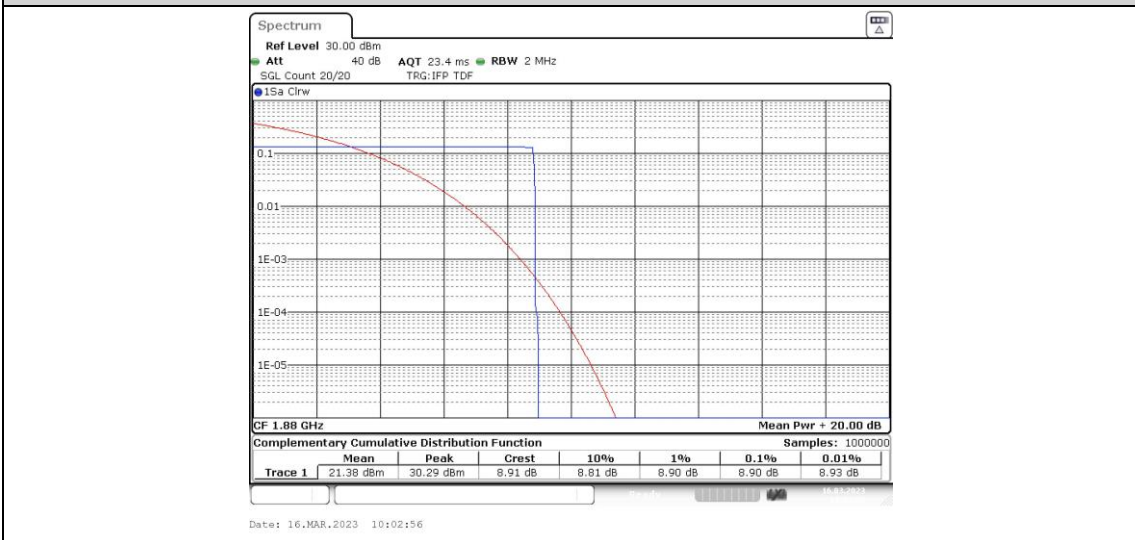
EGPRS850-251



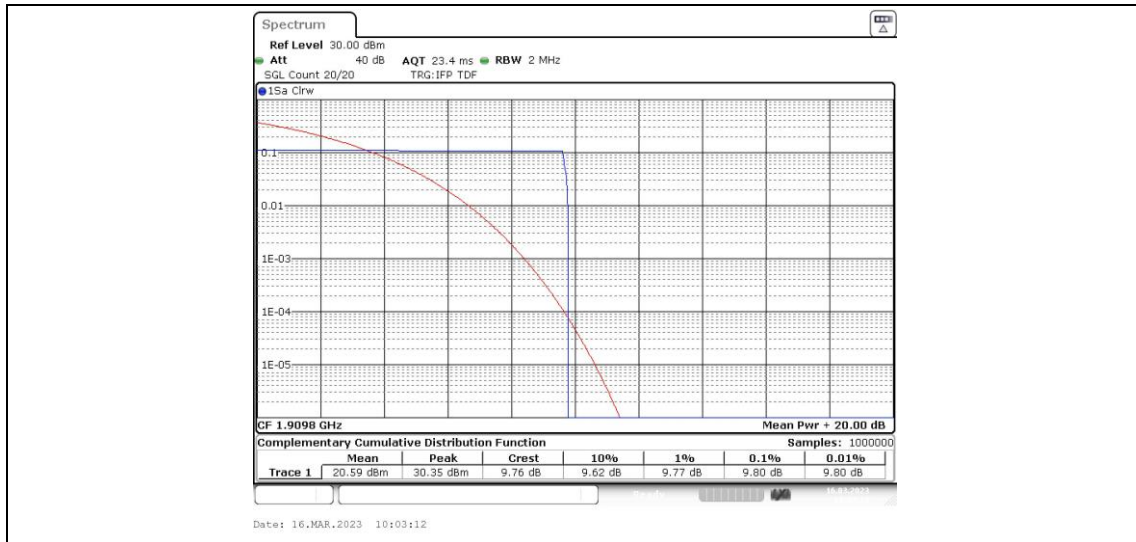
GSM1900-512



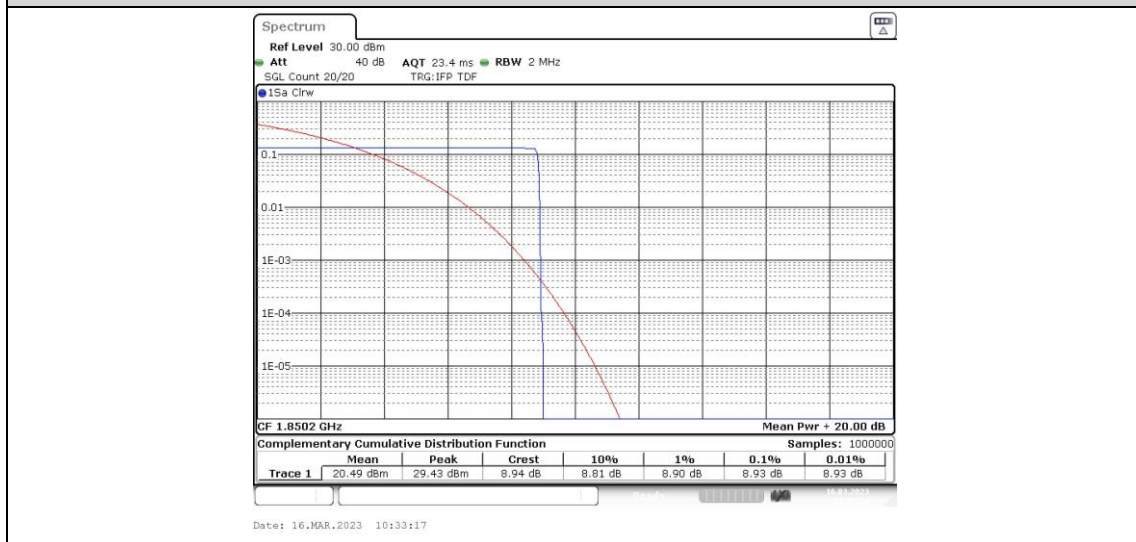
GSM1900-661



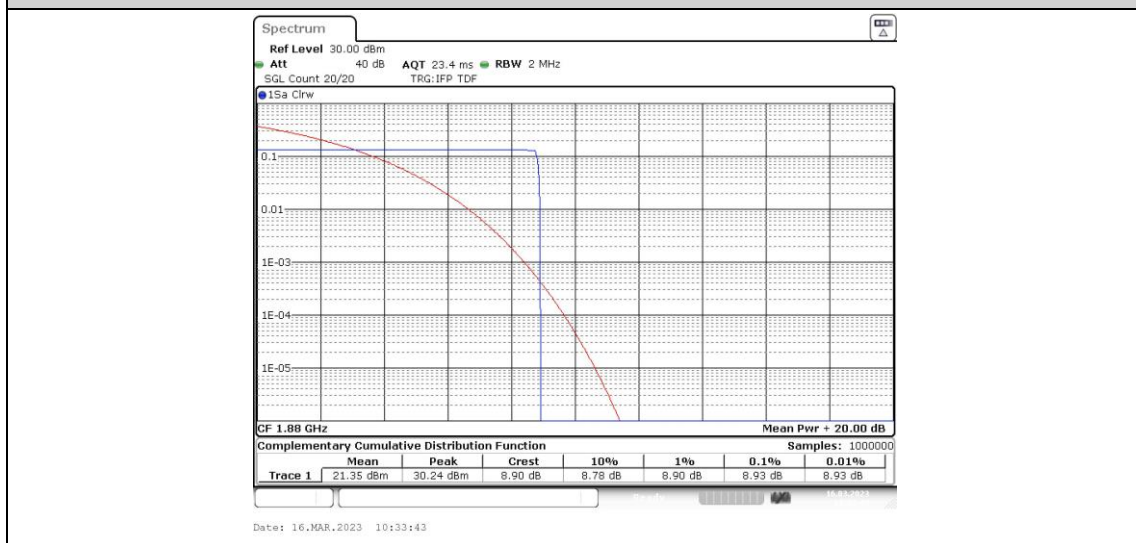
GSM1900-810



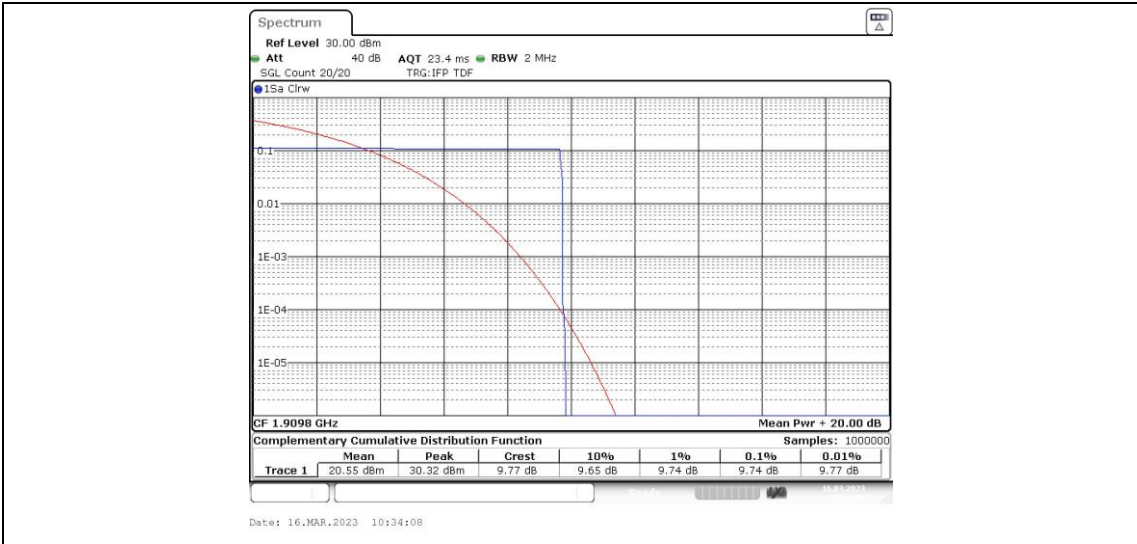
GPRS1900-512



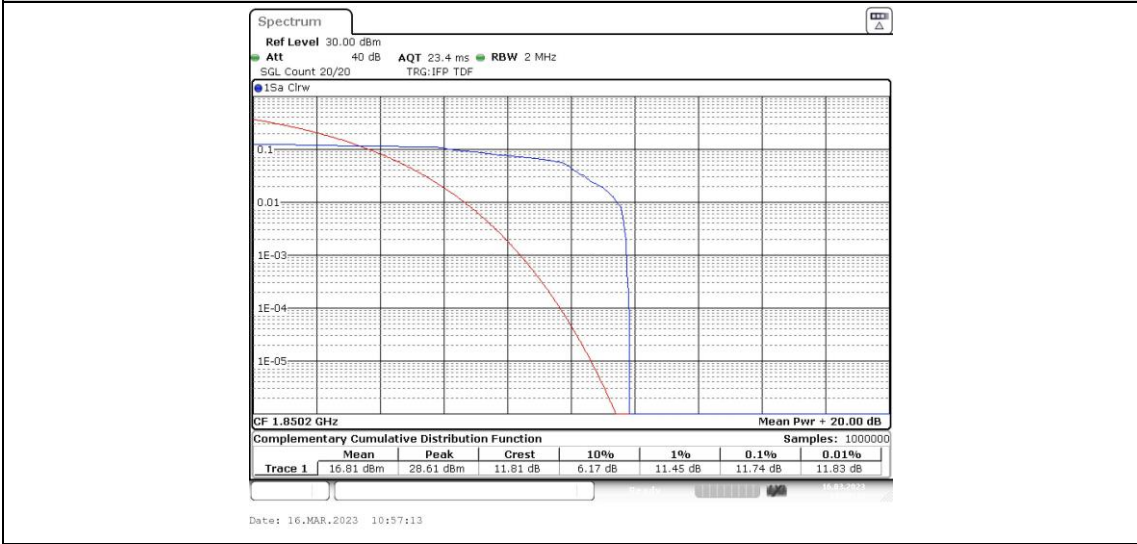
GPRS1900-661



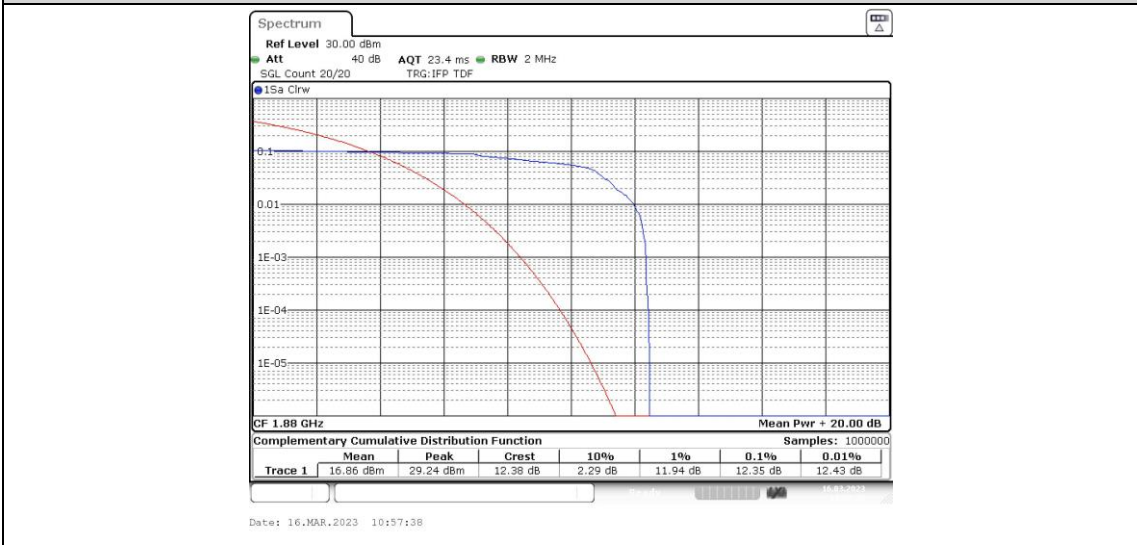
GPRS1900-810



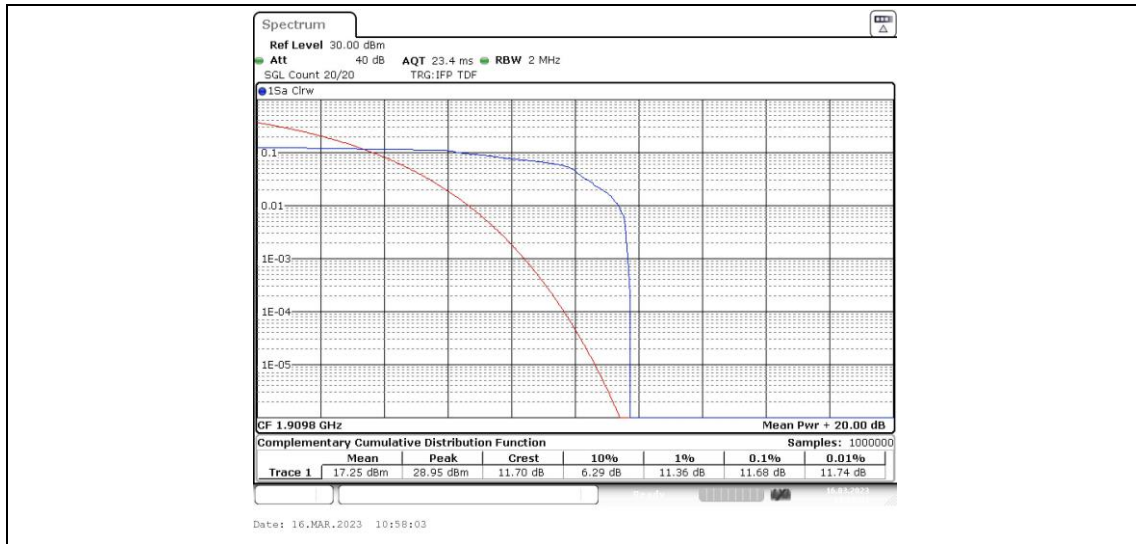
EGPRS1900-512



EGPRS1900-661



EGPRS1900-810

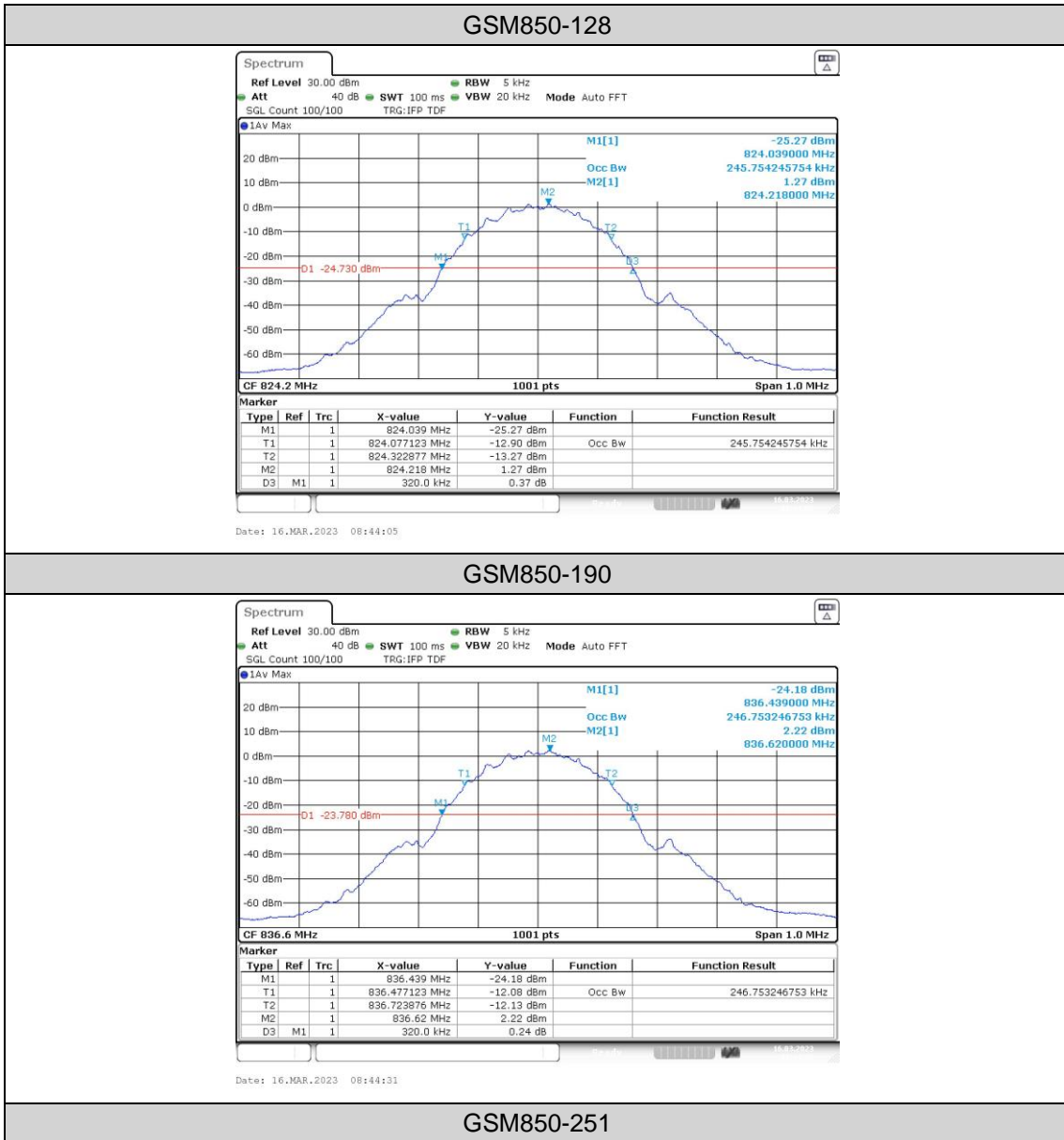


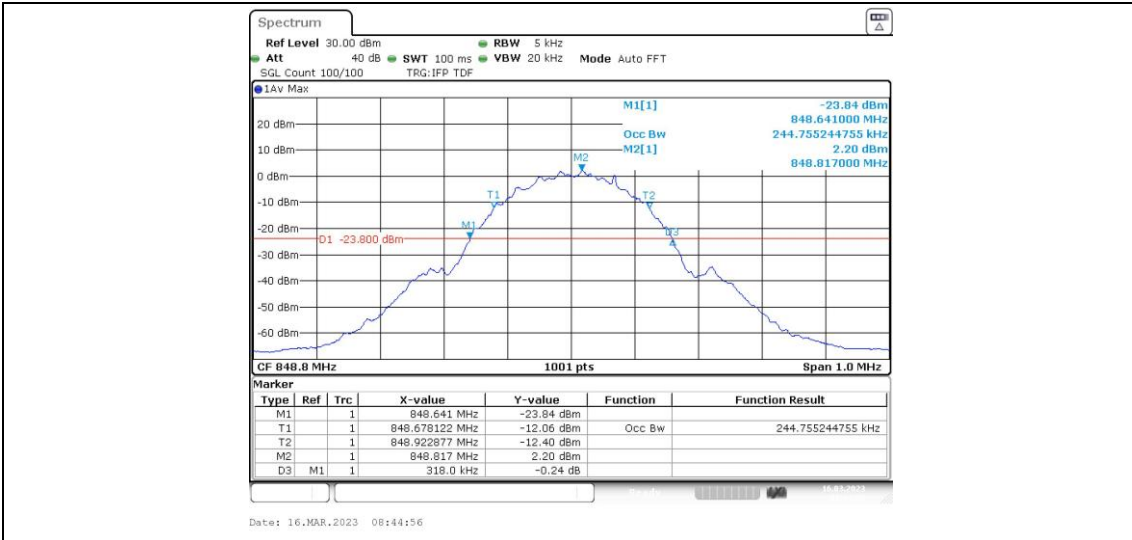
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

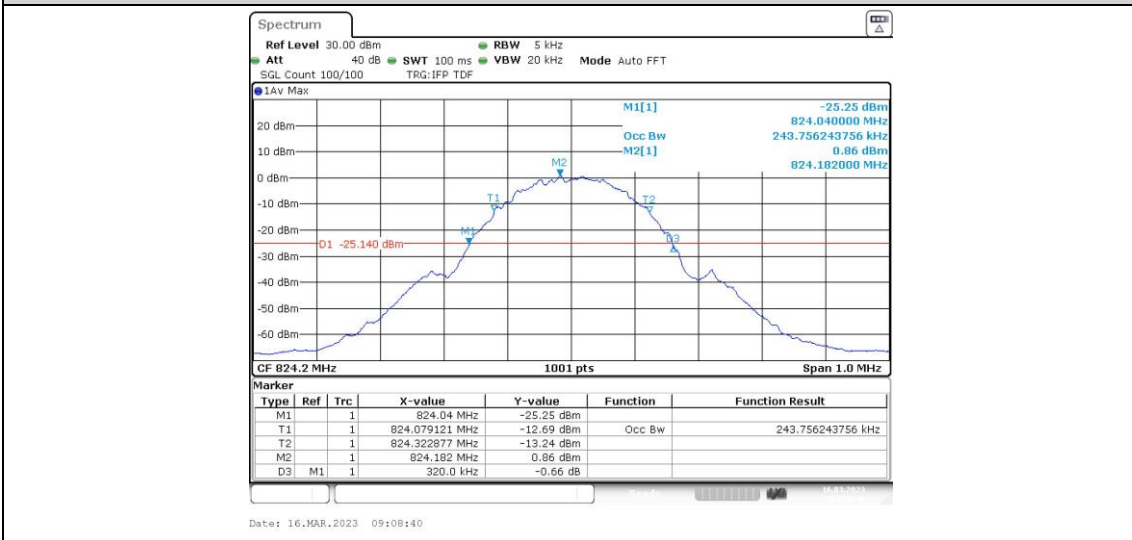
Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GSM850	128	0.246	0.32	---	PASS
GSM850	190	0.247	0.32	---	PASS
GSM850	251	0.245	0.32	---	PASS
GPRS850	128	0.244	0.32	---	PASS
GPRS850	190	0.246	0.32	---	PASS
GPRS850	251	0.245	0.32	---	PASS
EGPRS850	128	0.244	0.31	---	PASS
EGPRS850	190	0.244	0.31	---	PASS
EGPRS850	251	0.243	0.32	---	PASS
GSM1900	512	0.246	0.32	---	PASS
GSM1900	661	0.247	0.32	---	PASS
GSM1900	810	0.247	0.32	---	PASS
GPRS1900	512	0.246	0.32	---	PASS
GPRS1900	661	0.246	0.32	---	PASS
GPRS1900	810	0.247	0.32	---	PASS
EGPRS1900	512	0.245	0.31	---	PASS
EGPRS1900	661	0.246	0.31	---	PASS
EGPRS1900	810	0.244	0.31	---	PASS

Test Graphs

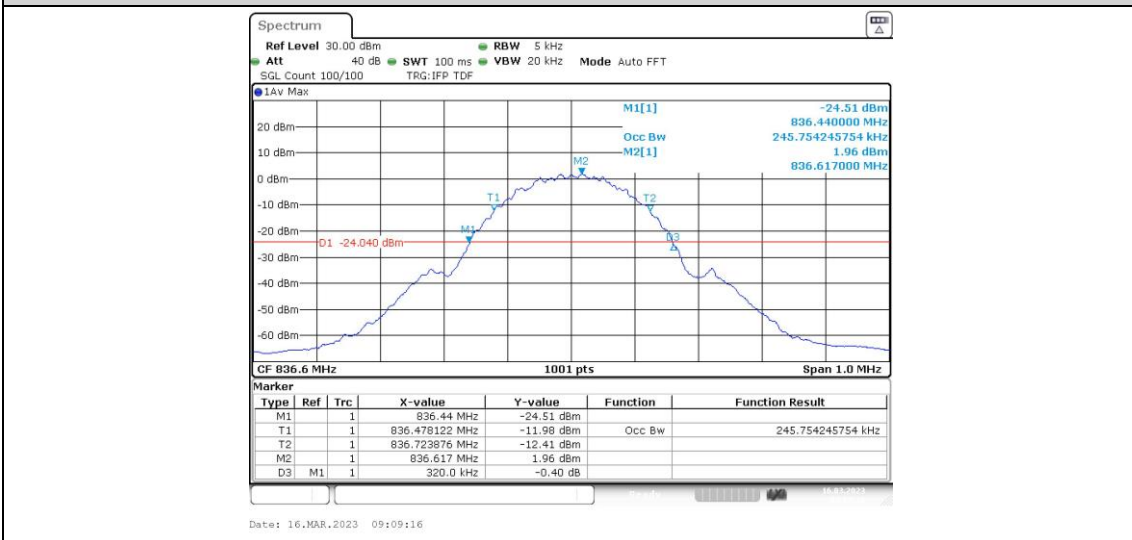




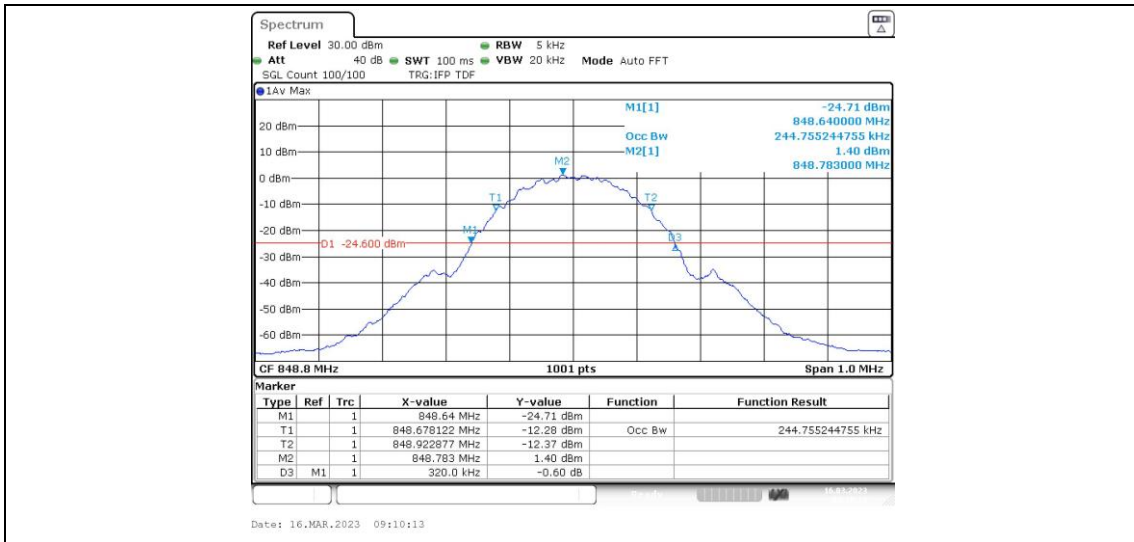
GPRS850-128



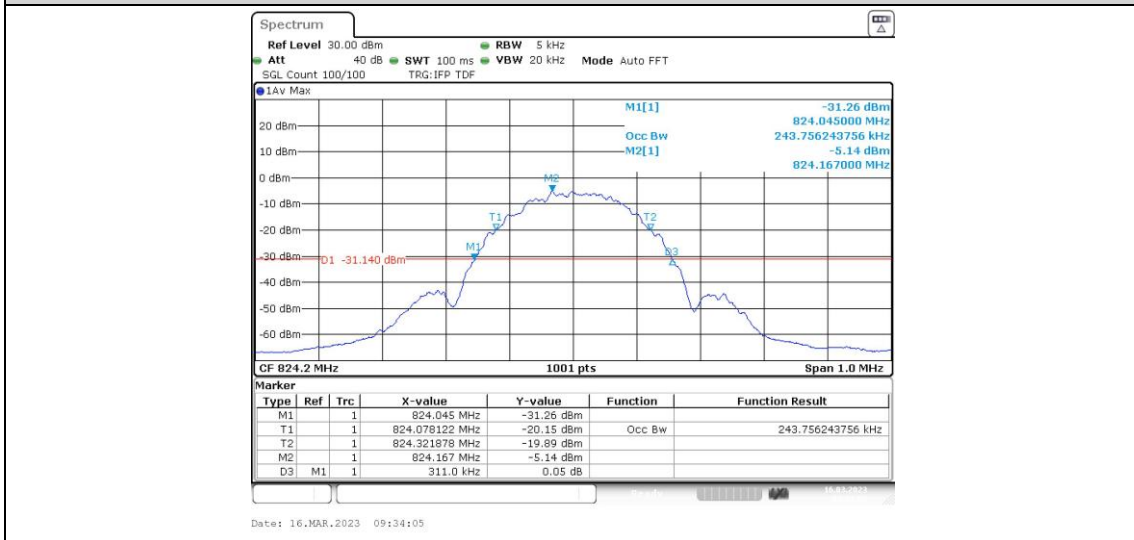
GPRS850-190



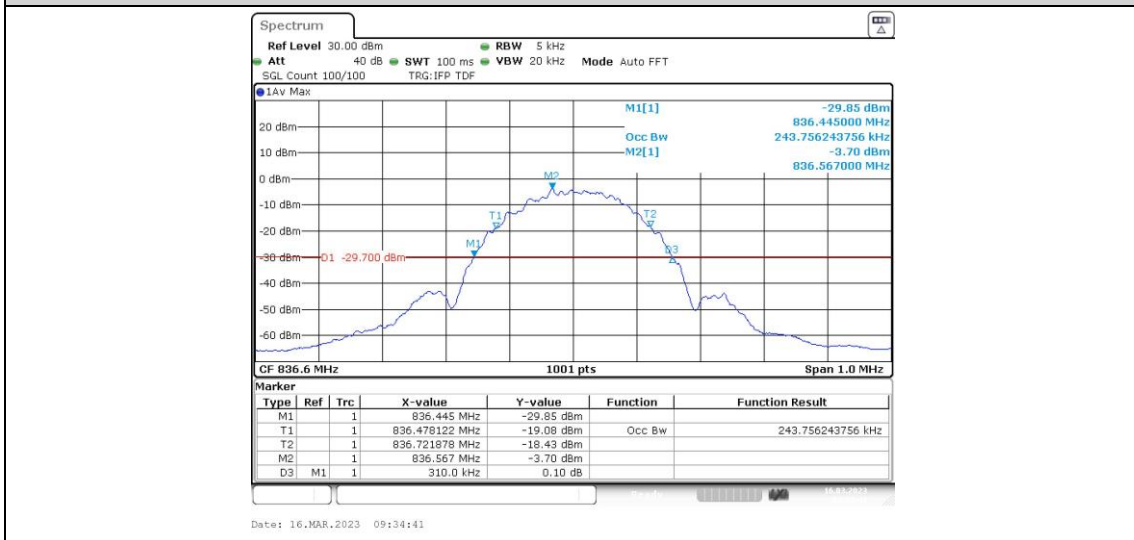
GPRS850-251



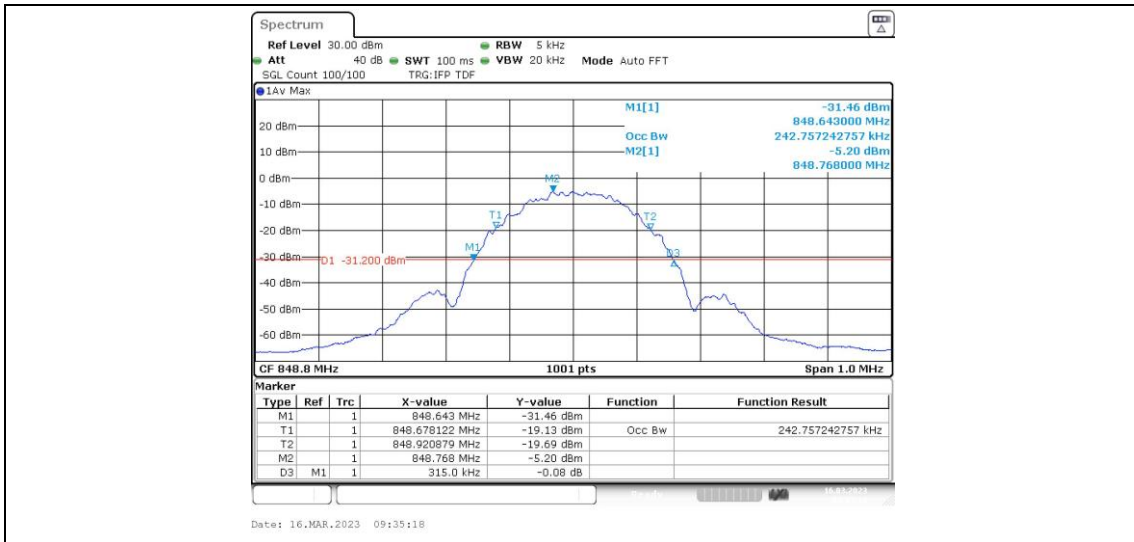
EGPRS850-128



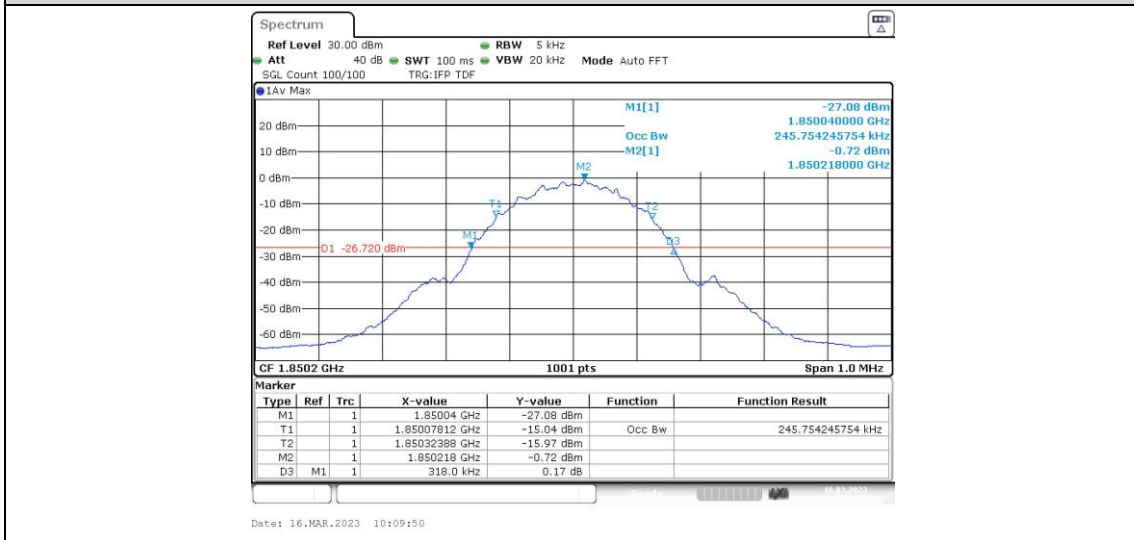
EGPRS850-190



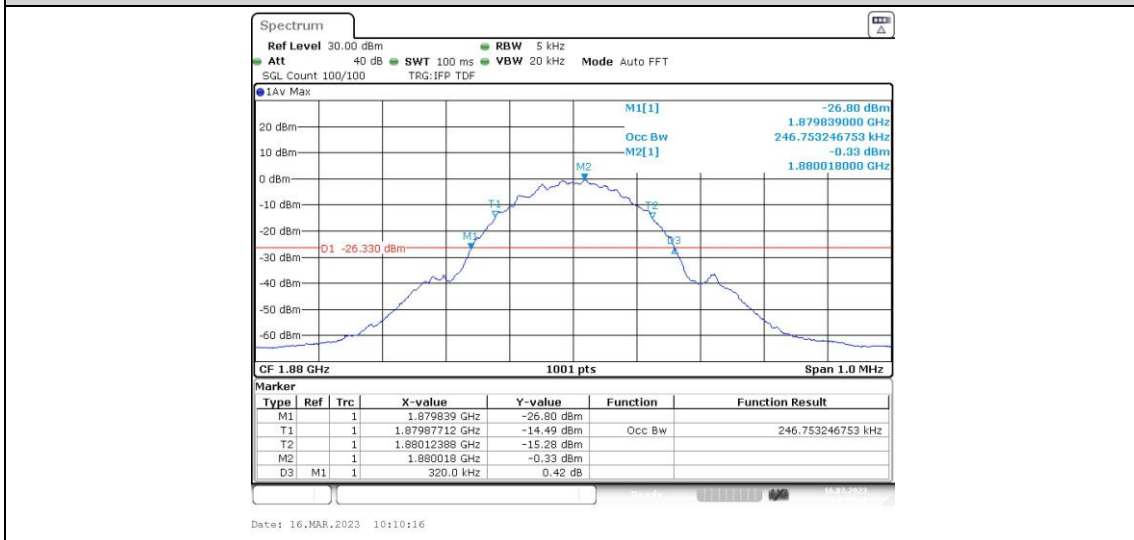
EGPRS850-251



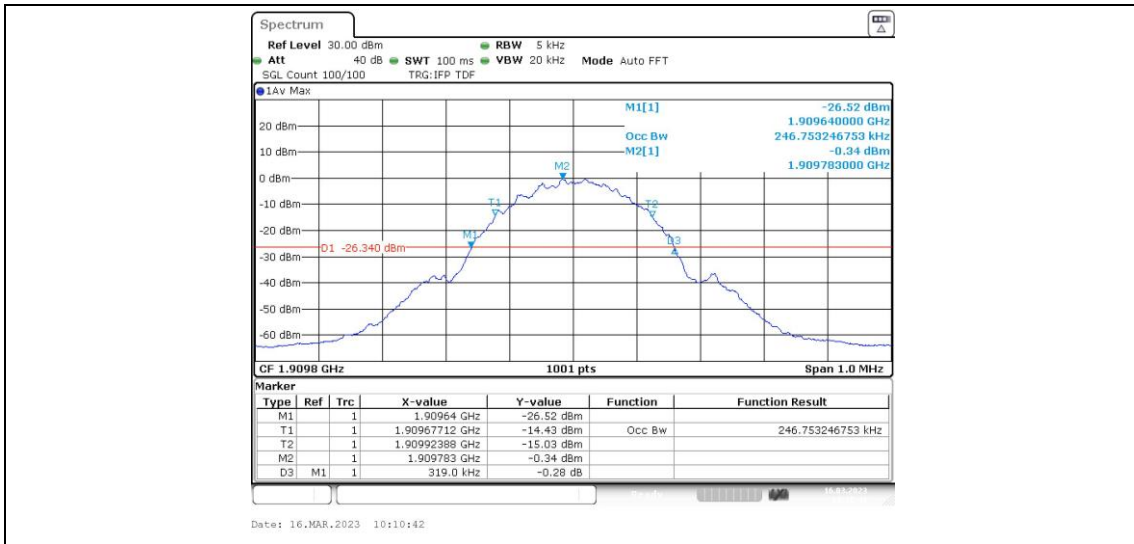
GSM1900-512



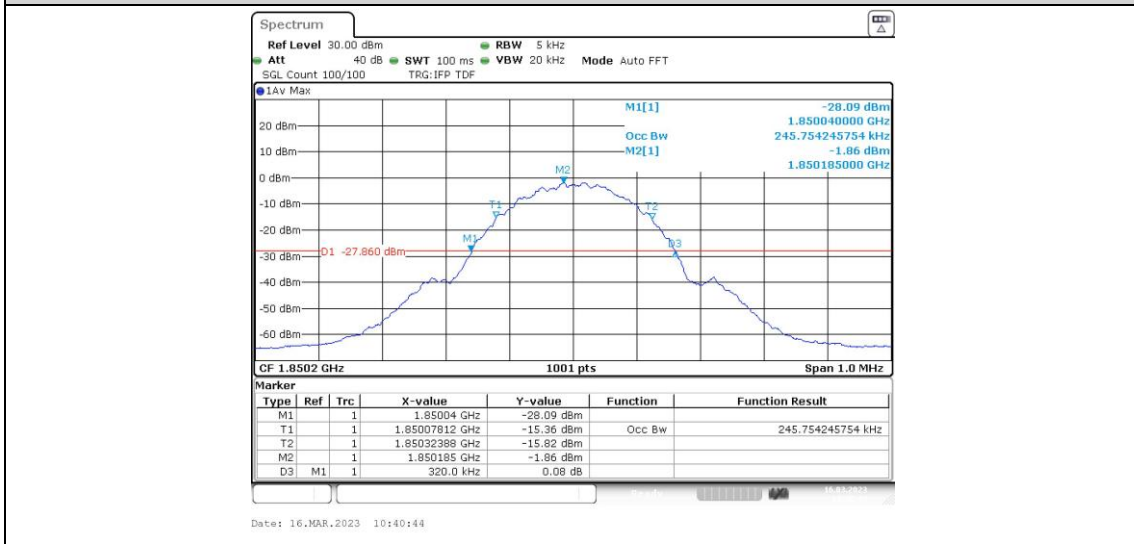
GSM1900-661



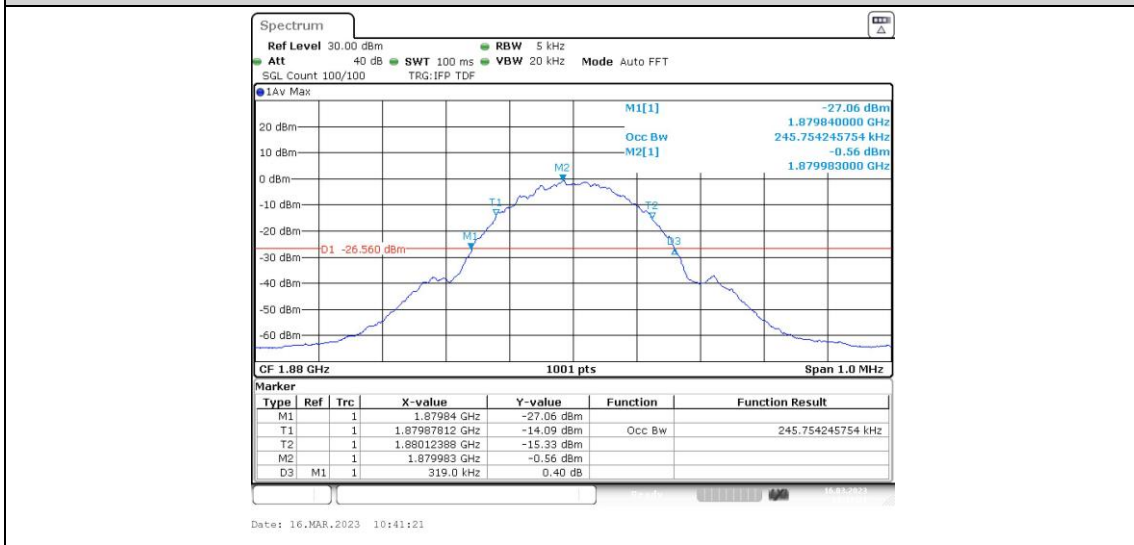
GSM1900-810



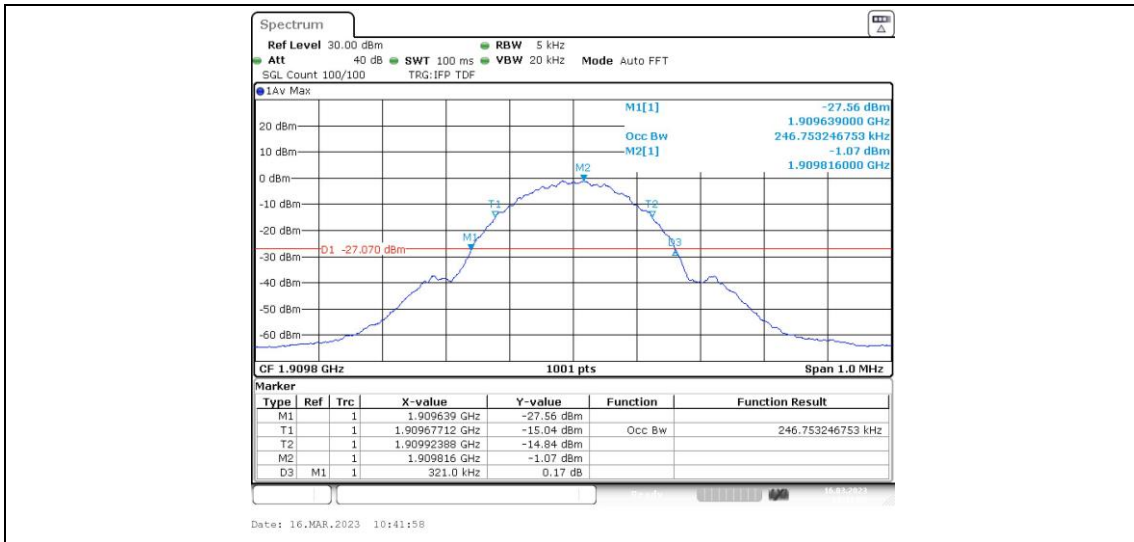
GPRS1900-512



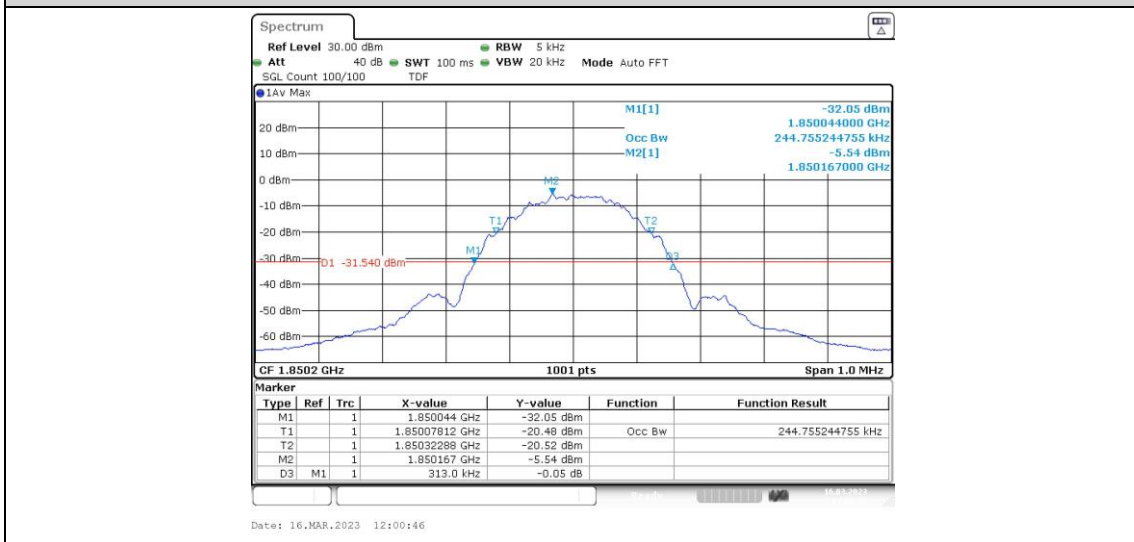
GPRS1900-661



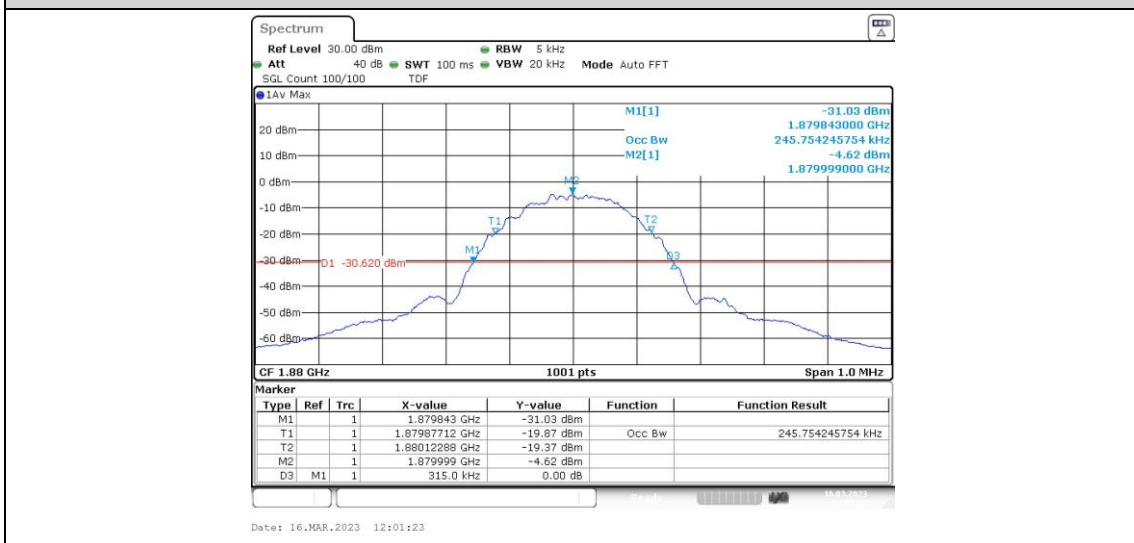
GPRS1900-810



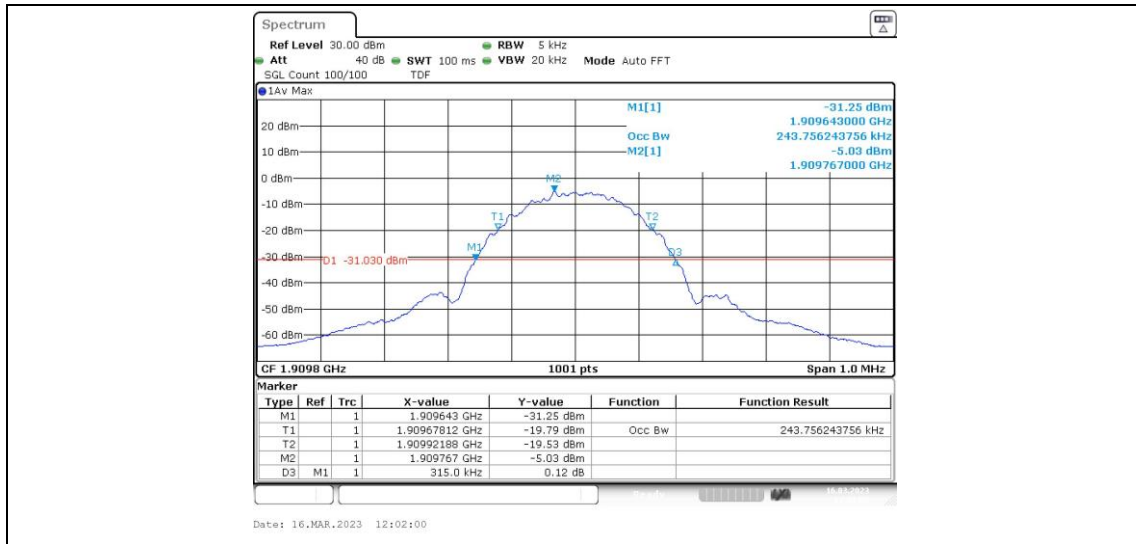
EGPRS1900-512



EGPRS1900-661



EGPRS1900-810

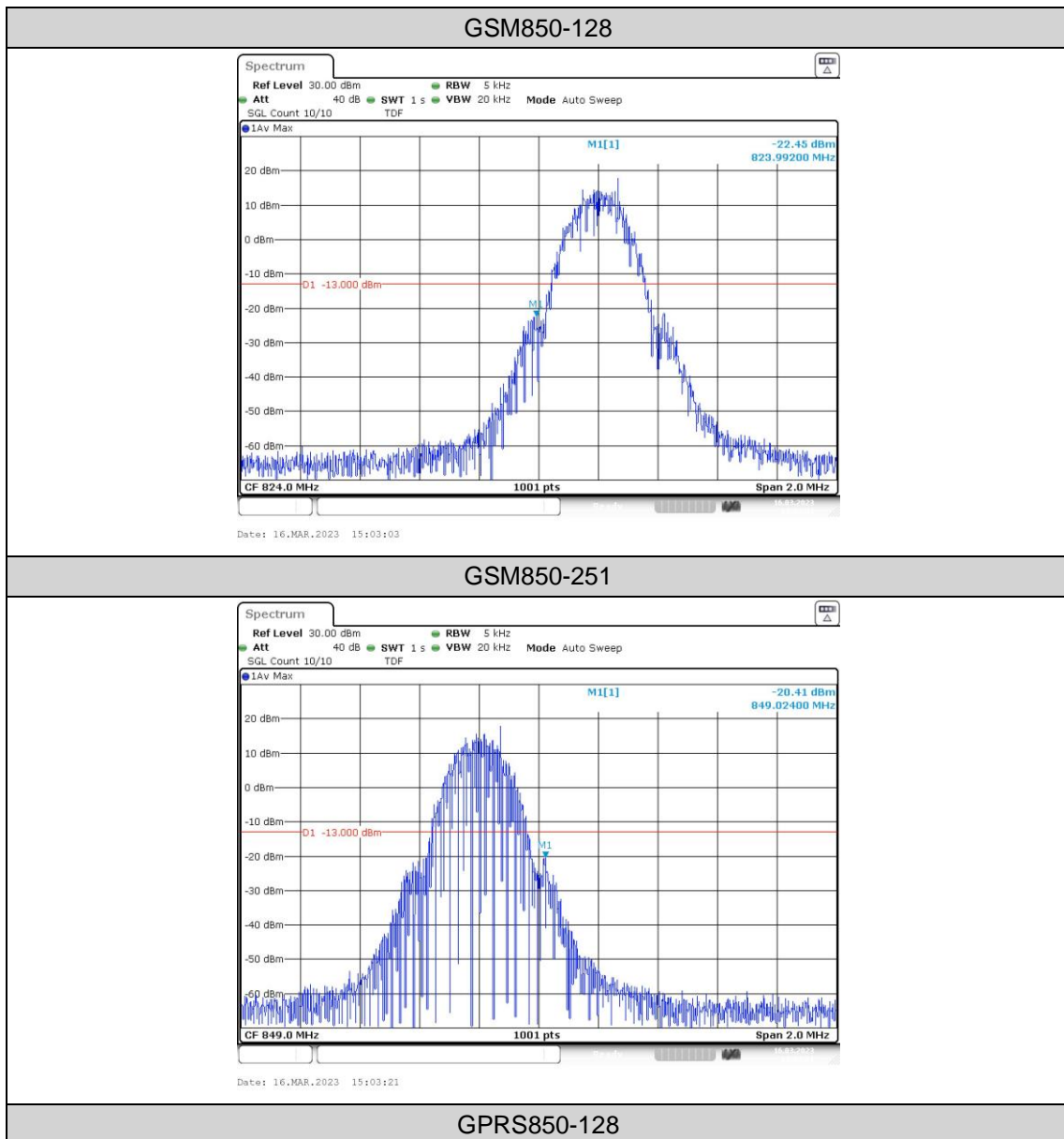


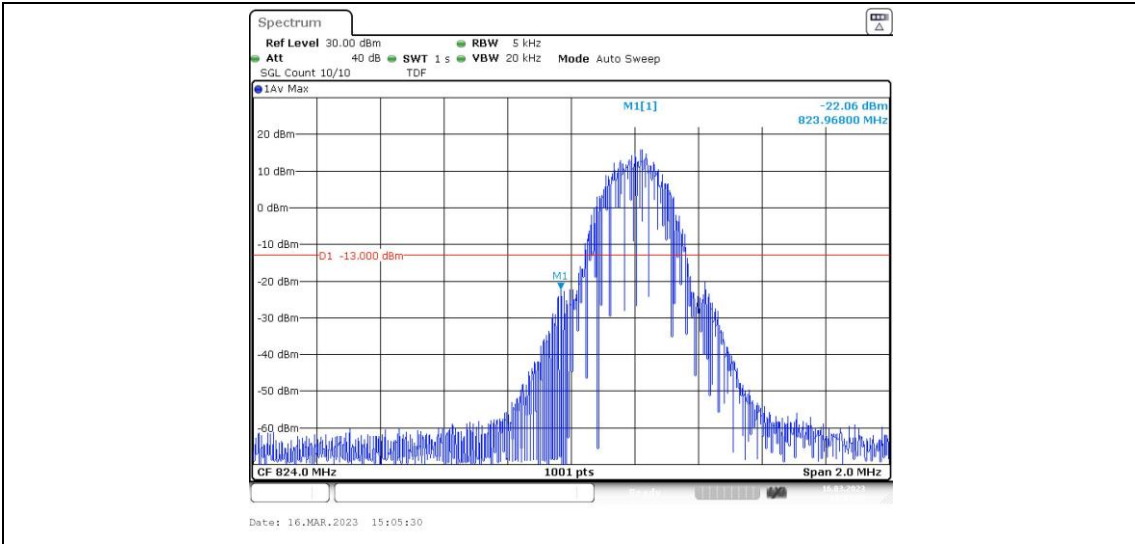
Appendix D: Band Edge

Test Result

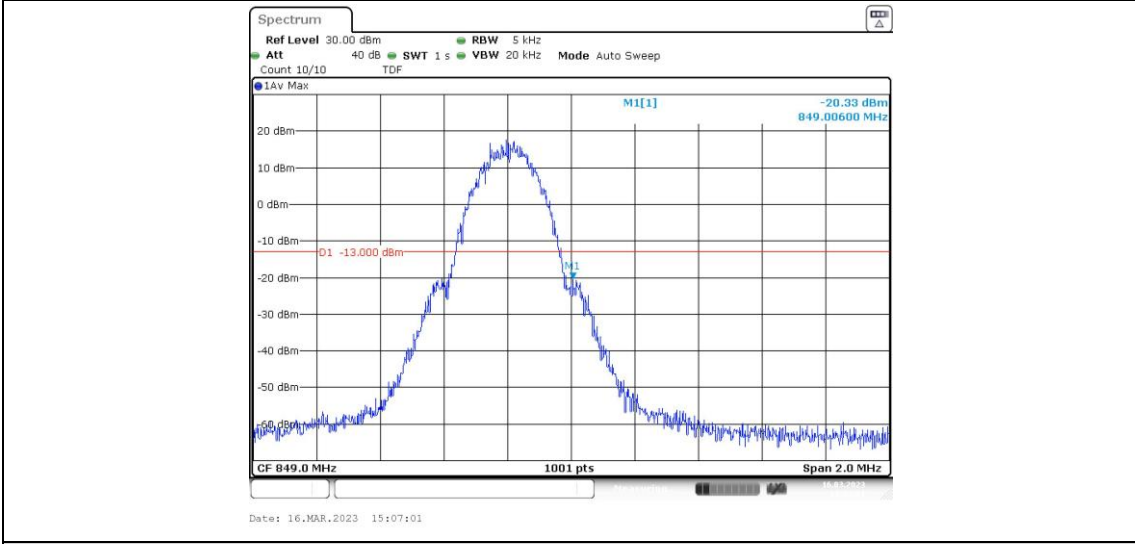
Band	Channel	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GSM850	128	823.99	-22.45	-13	PASS
GSM850	251	849.02	-20.41	-13	PASS
GPRS850	128	823.97	-22.06	-13	PASS
GPRS850	251	849.01	-20.33	-13	PASS
EGPRS850	128	824.00	-26.06	-13	PASS
EGPRS850	251	849.04	-21.68	-13	PASS
GSM1900	512	1849.99	-20.76	-13	PASS
GSM1900	810	1910.02	-14.85	-13	PASS
GPRS1900	512	1849.99	-18.17	-13	PASS
GPRS1900	810	1910.02	-16.73	-13	PASS
EGPRS1900	512	1849.97	-25.63	-13	PASS
EGPRS1900	810	1910.02	-20.48	-13	PASS

Test Graphs

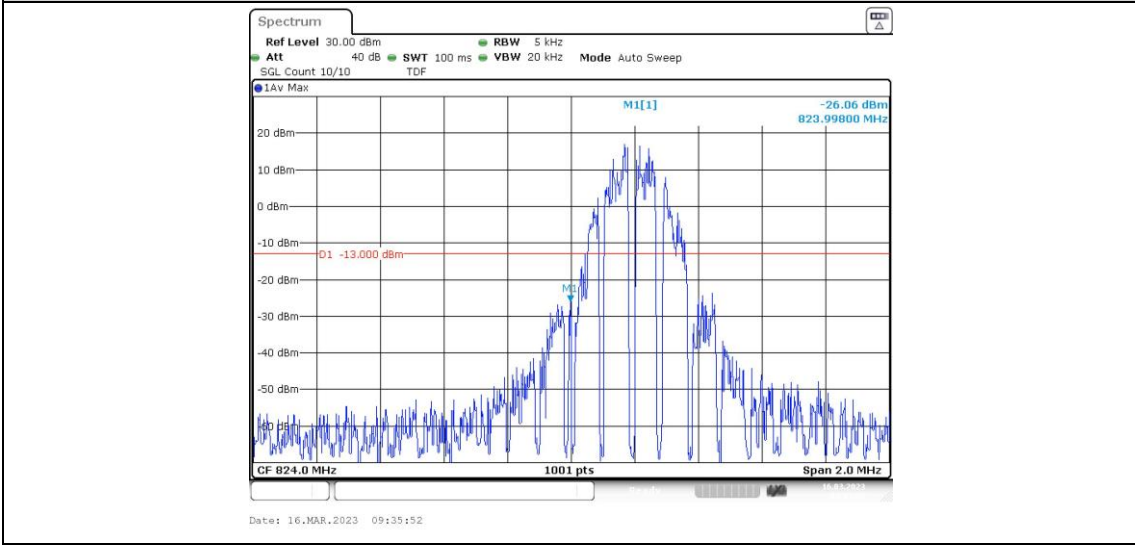




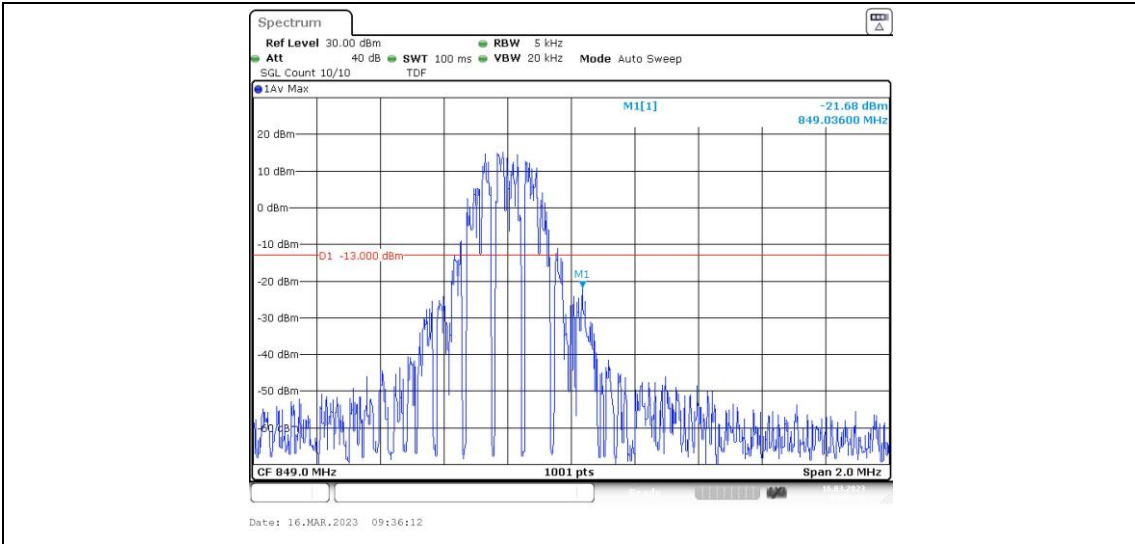
GPRS850-251



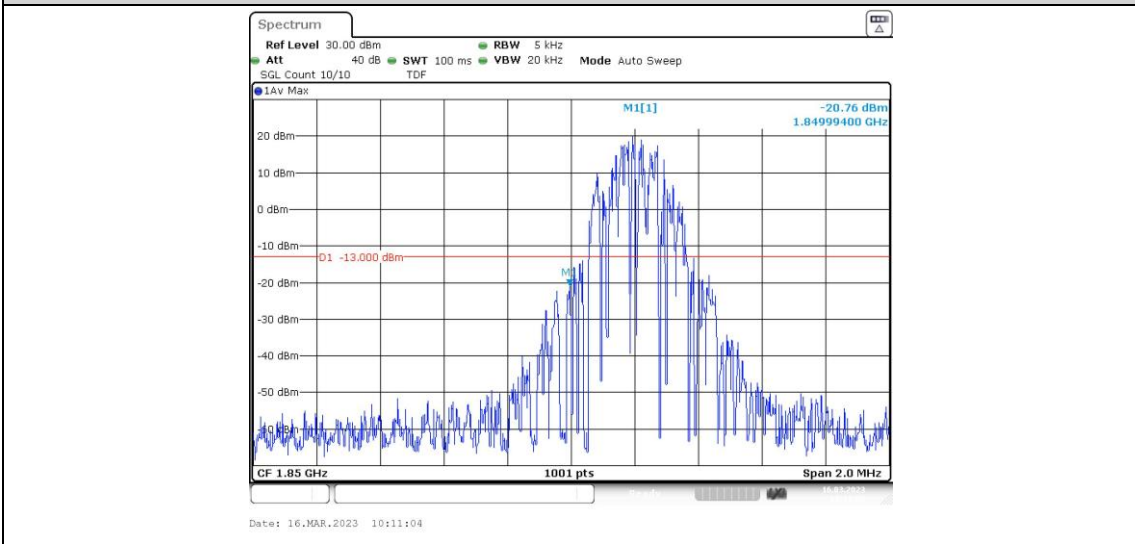
EGPRS850-128



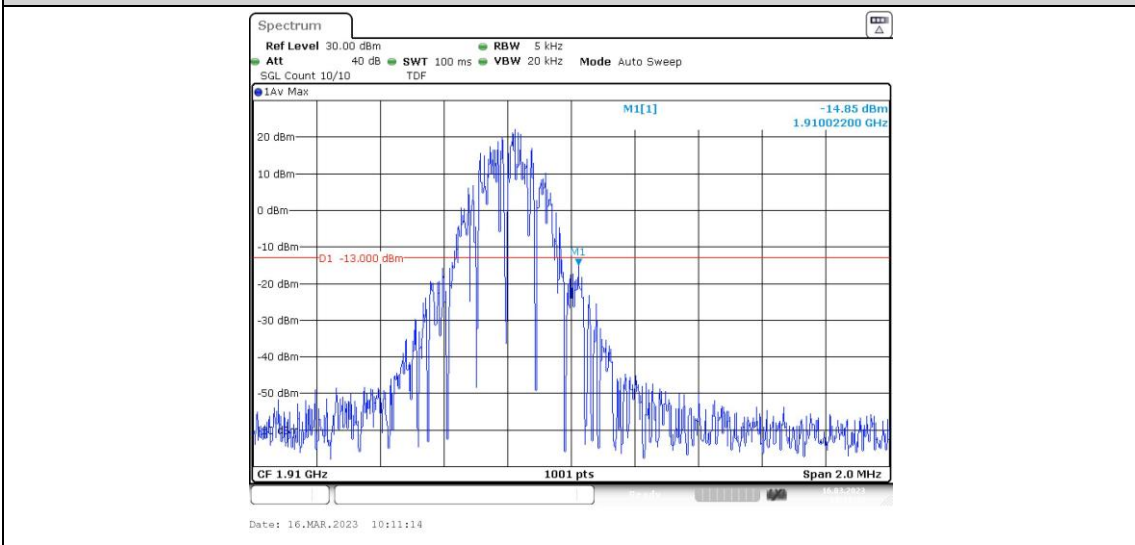
EGPRS850-251



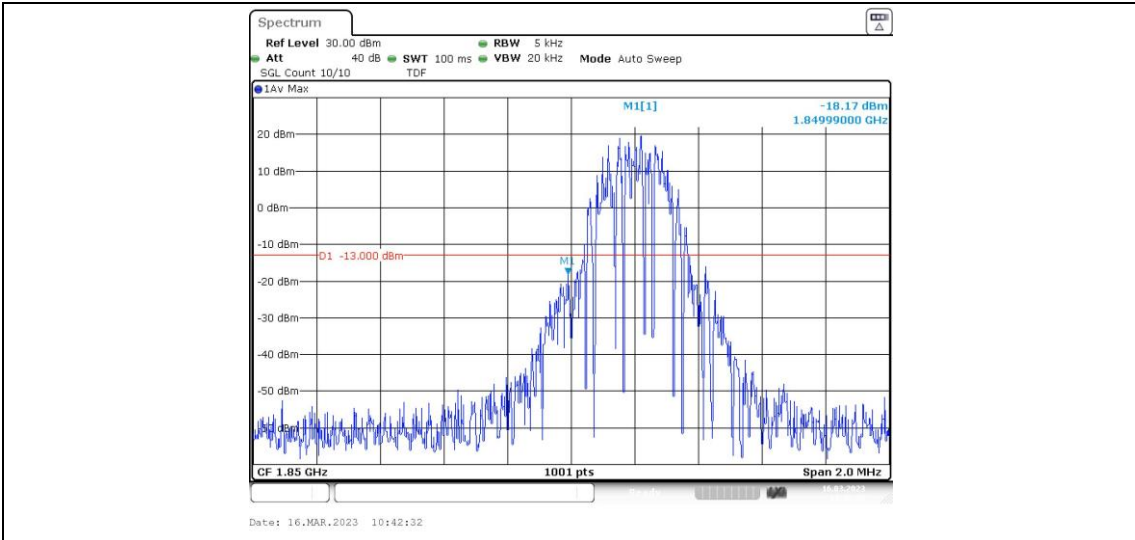
GSM1900-512



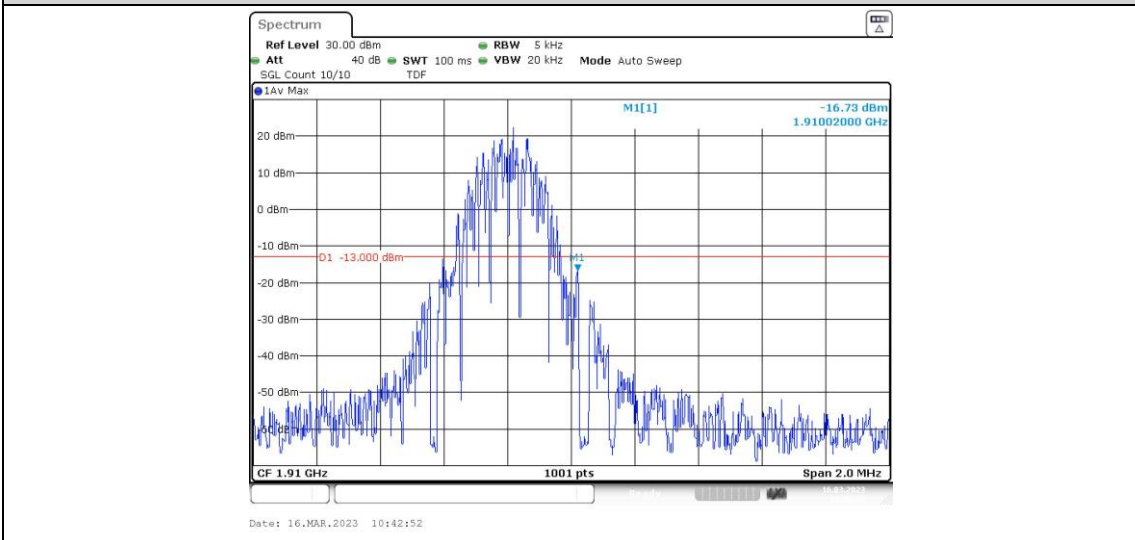
GSM1900-810



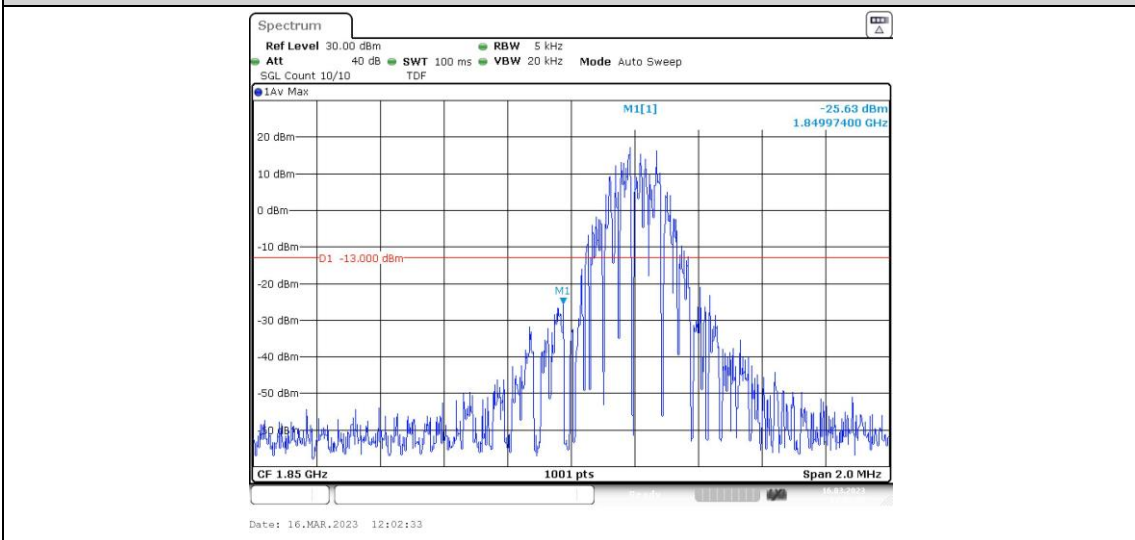
GPRS1900-512



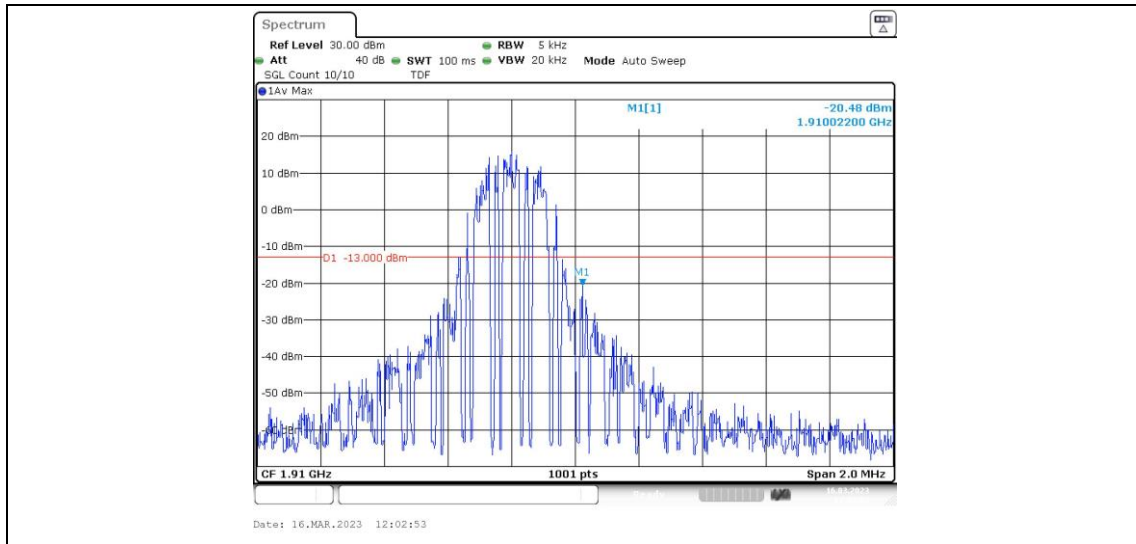
GPRS1900-810



EGPRS1900-512



EGPRS1900-810



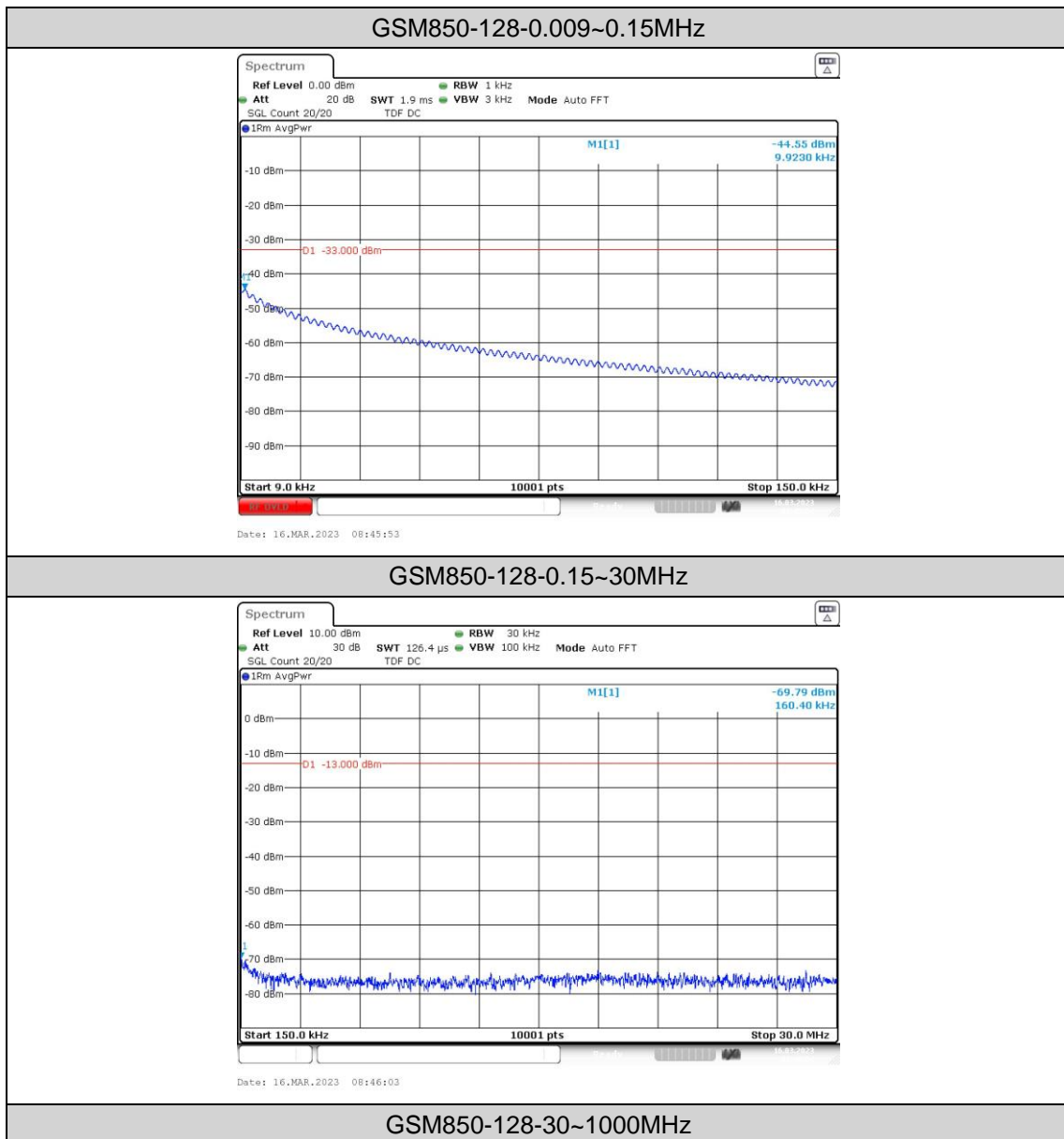
Appendix E: Conducted Spurious Emission

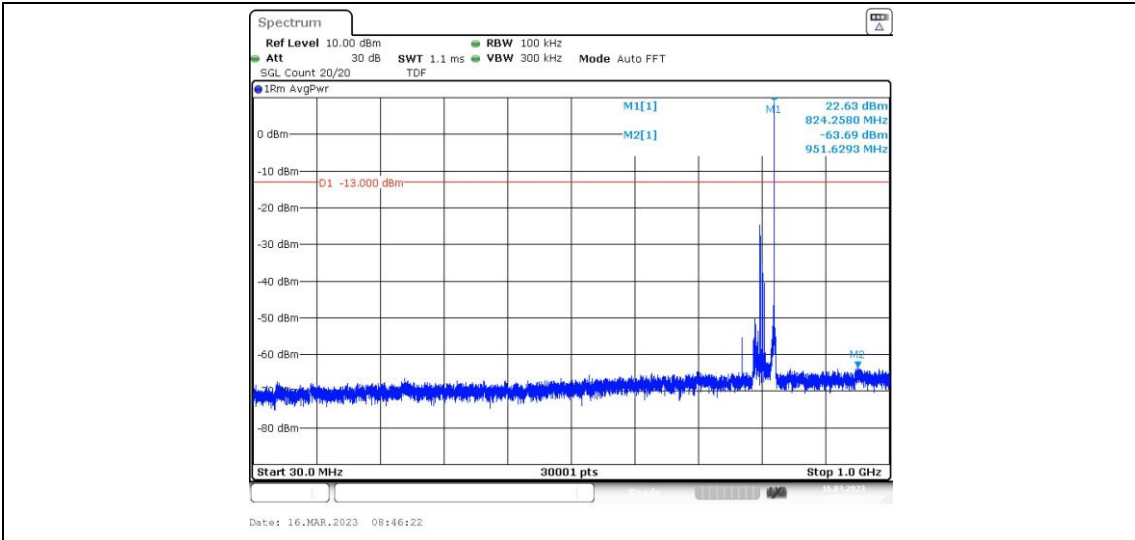
Test Result

Band	Channel	Frequency Range(MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
GSM850	128	0.009~0.15MHz	0.01	-44.55	-33	PASS
GSM850	128	0.15~30MHz	0.16	-69.79	-13	PASS
GSM850	128	30~1000MHz	951.63	-63.69	-13	PASS
GSM850	128	1000~10000MHz	2472.8	-37.56	-13	PASS
GSM850	190	0.009~0.15MHz	0.01	-39.19	-33	PASS
GSM850	190	0.15~30MHz	0.22	-69.47	-13	PASS
GSM850	190	30~1000MHz	952.28	-63.49	-13	PASS
GSM850	190	1000~10000MHz	2510	-33.16	-13	PASS
GSM850	251	0.009~0.15MHz	0.01	-40.38	-33	PASS
GSM850	251	0.15~30MHz	0.15	-70.38	-13	PASS
GSM850	251	30~1000MHz	950.98	-63.51	-13	PASS
GSM850	251	1000~10000MHz	1697.63	-37.31	-13	PASS
GPRS850	128	0.009~0.15MHz	0.01	-40.61	-33	PASS
GPRS850	128	0.15~30MHz	0.15	-69.94	-13	PASS
GPRS850	128	30~1000MHz	709.49	-63.53	-13	PASS
GPRS850	128	1000~10000MHz	2472.8	-41.9	-13	PASS
GPRS850	190	0.009~0.15MHz	0.01	-42.55	-33	PASS
GPRS850	190	0.15~30MHz	0.79	-71.28	-13	PASS
GPRS850	190	30~1000MHz	722	-62.72	-13	PASS
GPRS850	190	1000~10000MHz	1673.63	-37.92	-13	PASS
GPRS850	251	0.009~0.15MHz	0.01	-42.1	-33	PASS
GPRS850	251	0.15~30MHz	0.21	-69.19	-13	PASS
GPRS850	251	30~1000MHz	709.32	-63.59	-13	PASS
GPRS850	251	1000~10000MHz	2546.3	-39.77	-13	PASS
EGPRS850	128	0.009~0.15MHz	0.05	-46.47	-33	PASS
EGPRS850	128	0.15~30MHz	0.22	-70.59	-13	PASS
EGPRS850	128	30~1000MHz	953.67	-63.57	-13	PASS
EGPRS850	128	1000~10000MHz	6692.76	-42.51	-13	PASS
EGPRS850	190	0.009~0.15MHz	0.02	-41.45	-33	PASS
EGPRS850	190	0.15~30MHz	0.16	-69.34	-13	PASS
EGPRS850	190	30~1000MHz	954.47	-63.09	-13	PASS
EGPRS850	190	1000~10000MHz	6642.06	-42.72	-13	PASS
EGPRS850	251	0.009~0.15MHz	0.07	-43.08	-33	PASS
EGPRS850	251	0.15~30MHz	0.15	-68.94	-13	PASS
EGPRS850	251	30~1000MHz	952.92	-63.33	-13	PASS

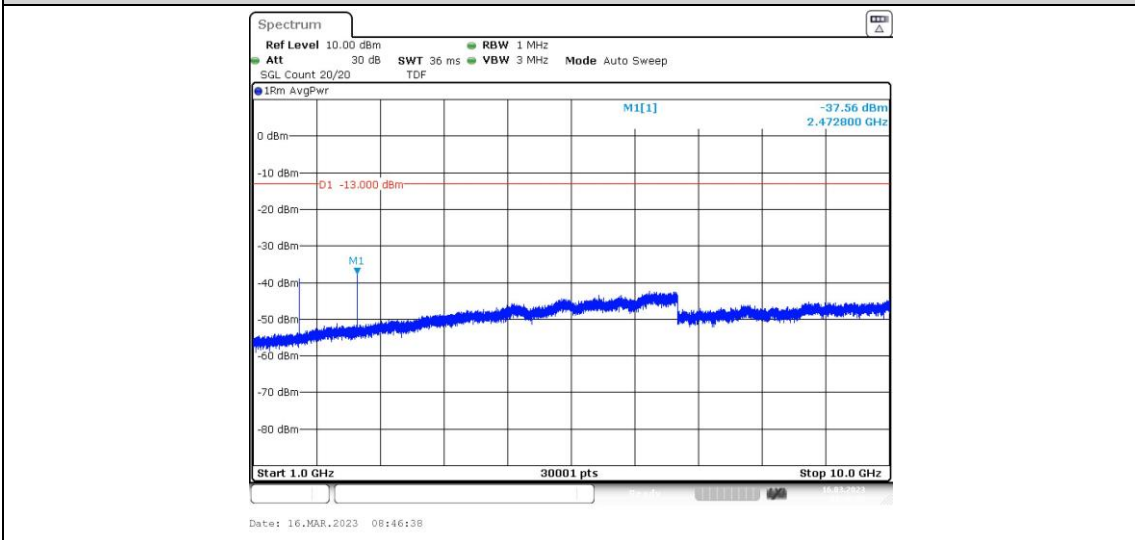
EGPRS850	251	1000~10000MHz	6752.76	-42.68	-13	PASS
GSM1900	512	0.009~0.15MHz	0.01	-54.49	-43	PASS
GSM1900	512	0.15~30MHz	0.46	-70.01	-23	PASS
GSM1900	512	30~1000MHz	863.83	-53.33	-13	PASS
GSM1900	512	1000~18000MHz	5550.9	-37.62	-13	PASS
GSM1900	661	0.009~0.15MHz	0.01	-51.83	-43	PASS
GSM1900	661	0.15~30MHz	0.16	-68.75	-23	PASS
GSM1900	661	30~1000MHz	706.63	-53.55	-13	PASS
GSM1900	661	1000~18000MHz	3760.23	-33.3	-13	PASS
GSM1900	810	0.009~0.15MHz	0.01	-50.86	-43	PASS
GSM1900	810	0.15~30MHz	0.15	-70.48	-23	PASS
GSM1900	810	30~1000MHz	888.24	-54.07	-13	PASS
GSM1900	810	1000~18000MHz	3819.73	-34.44	-13	PASS
GPRS1900	512	0.009~0.15MHz	0.01	-56.42	-43	PASS
GPRS1900	512	0.15~30MHz	0.17	-69.17	-23	PASS
GPRS1900	512	30~1000MHz	944.5	-53.7	-13	PASS
GPRS1900	512	1000~18000MHz	3700.17	-36.73	-13	PASS
GPRS1900	661	0.009~0.15MHz	0.01	-51.12	-43	PASS
GPRS1900	661	0.15~30MHz	0.47	-70.48	-23	PASS
GPRS1900	661	30~1000MHz	706.8	-53.7	-13	PASS
GPRS1900	661	1000~18000MHz	3760.23	-33.19	-13	PASS
GPRS1900	810	0.009~0.15MHz	0.01	-50.88	-43	PASS
GPRS1900	810	0.15~30MHz	0.36	-70.08	-23	PASS
GPRS1900	810	30~1000MHz	890.18	-53.6	-13	PASS
GPRS1900	810	1000~18000MHz	3819.73	-30.01	-13	PASS
EGPRS1900	512	0.009~0.15MHz	0.07	-55.08	-43	PASS
EGPRS1900	512	0.15~30MHz	0.15	-67.97	-23	PASS
EGPRS1900	512	30~1000MHz	921.64	-53.68	-13	PASS
EGPRS1900	512	1000~18000MHz	12382.07	-41.97	-13	PASS
EGPRS1900	661	0.009~0.15MHz	0.01	-51.76	-43	PASS
EGPRS1900	661	0.15~30MHz	0.17	-67.94	-23	PASS
EGPRS1900	661	30~1000MHz	931.5	-53.57	-13	PASS
EGPRS1900	661	1000~18000MHz	12401.9	-41.87	-13	PASS
EGPRS1900	810	0.009~0.15MHz	0.03	-59.53	-43	PASS
EGPRS1900	810	0.15~30MHz	0.2	-68.74	-23	PASS
EGPRS1900	810	30~1000MHz	891.96	-53.97	-13	PASS
EGPRS1900	810	1000~18000MHz	12398.5	-41.76	-13	PASS

Test Graphs

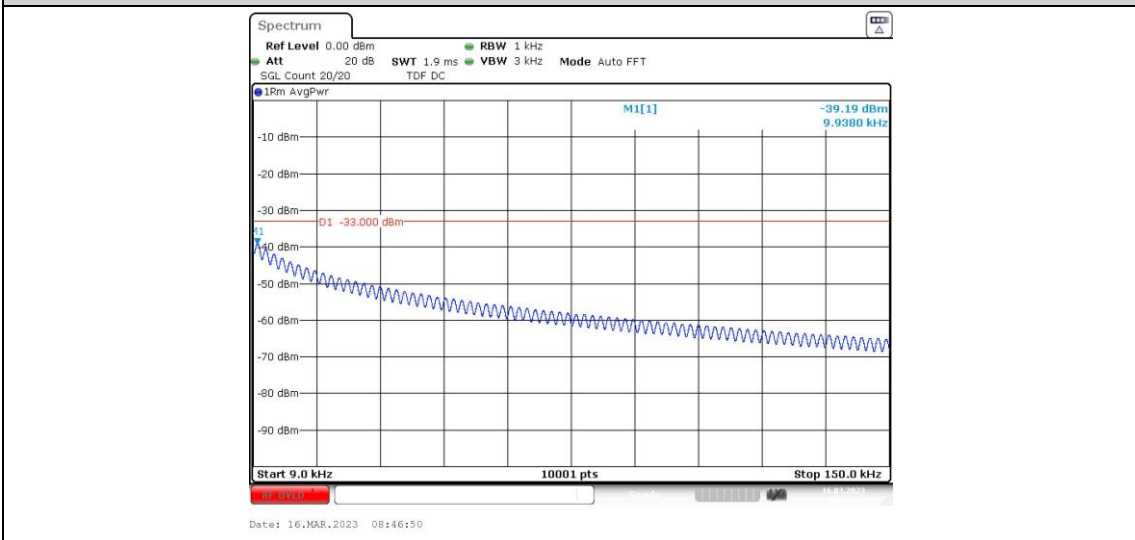




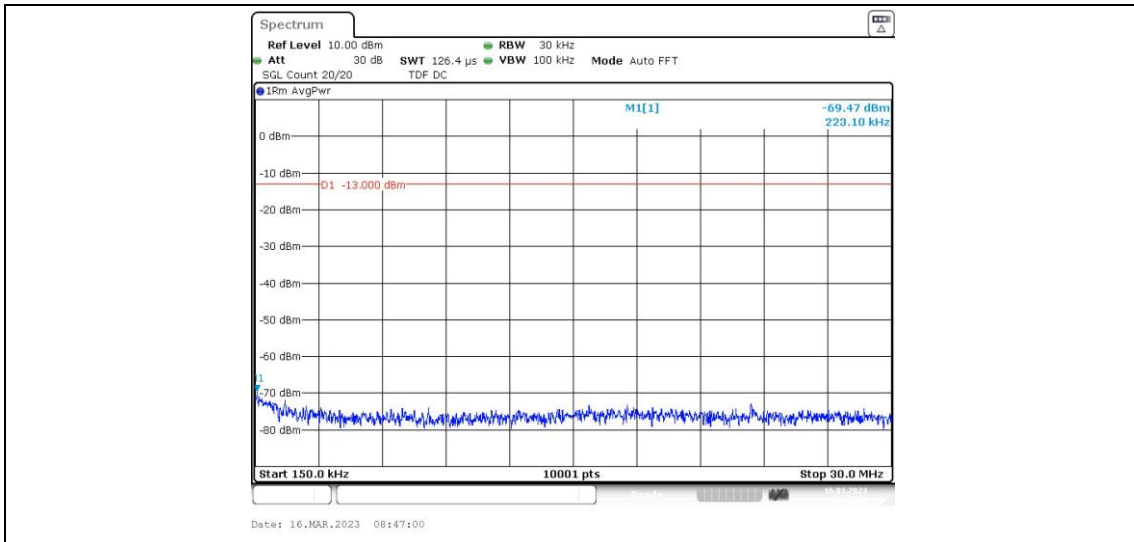
GSM850-128-1000~10000MHz



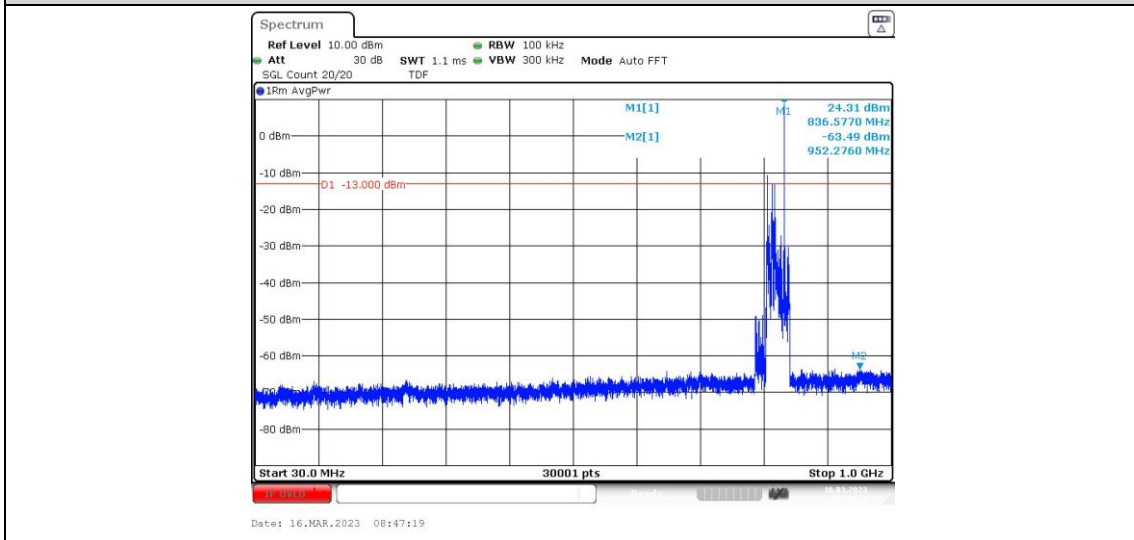
GSM850-190-0.009~0.15MHz



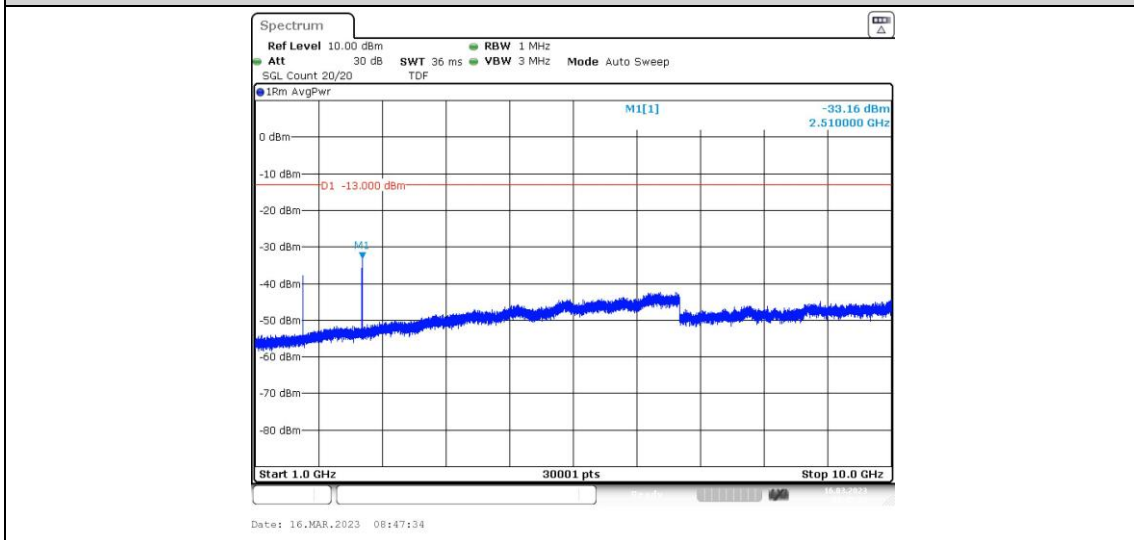
GSM850-190-0.15~30MHz



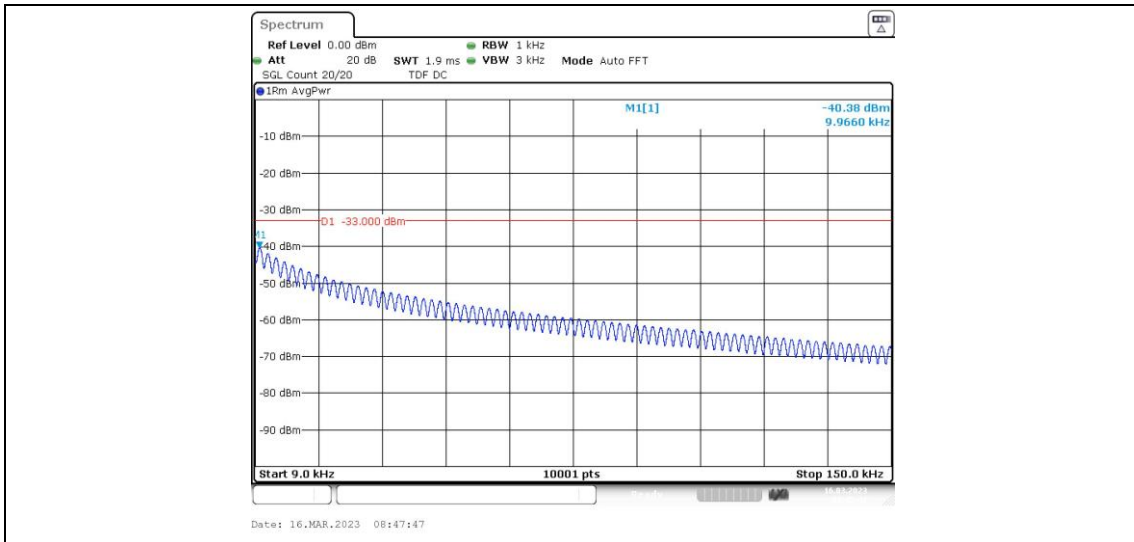
GSM850-190-30~1000MHz



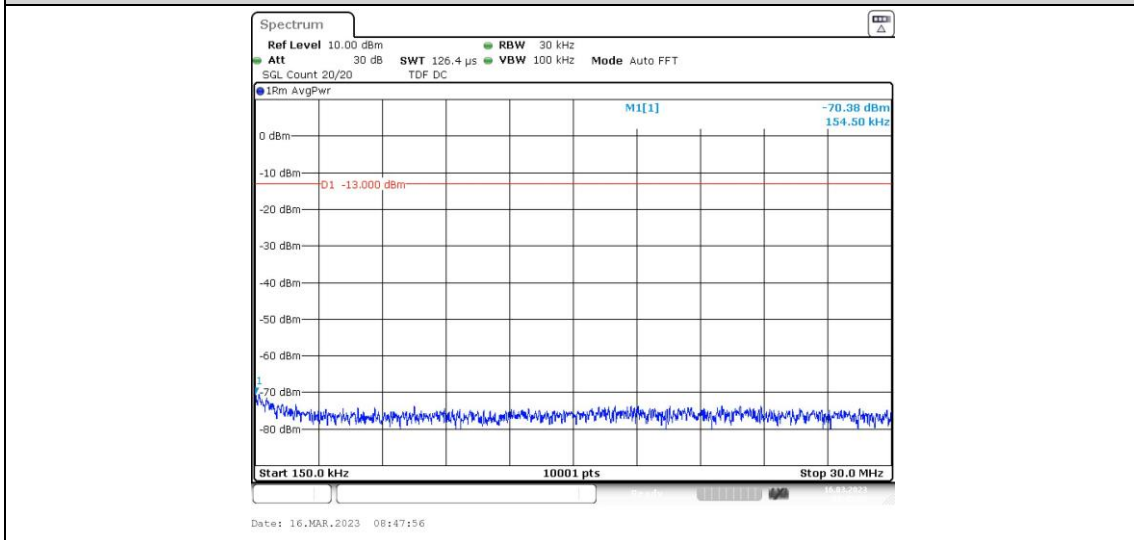
GSM850-190-1000~10000MHz



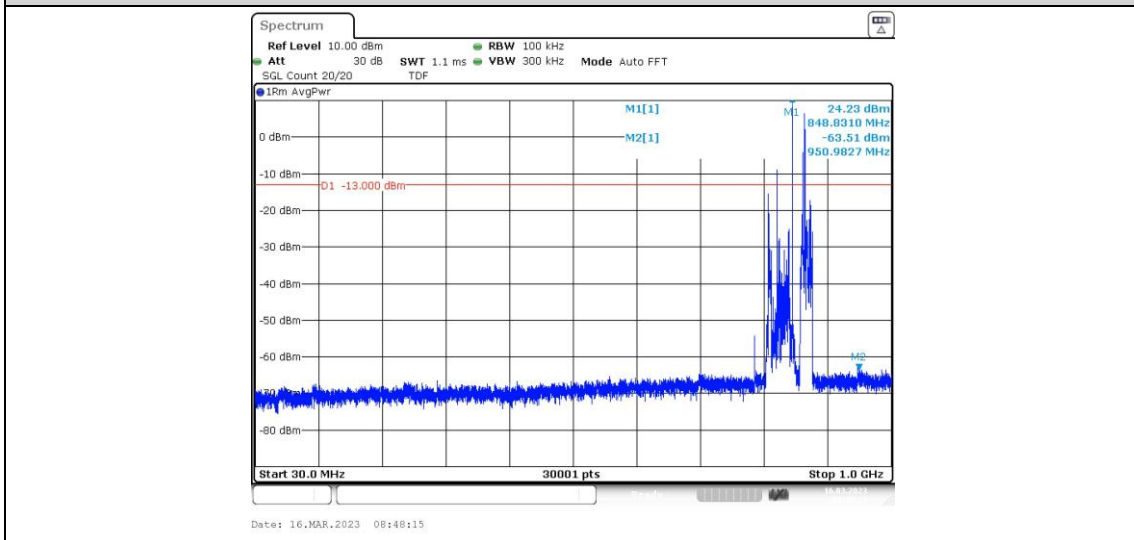
GSM850-251-0.009~0.15MHz



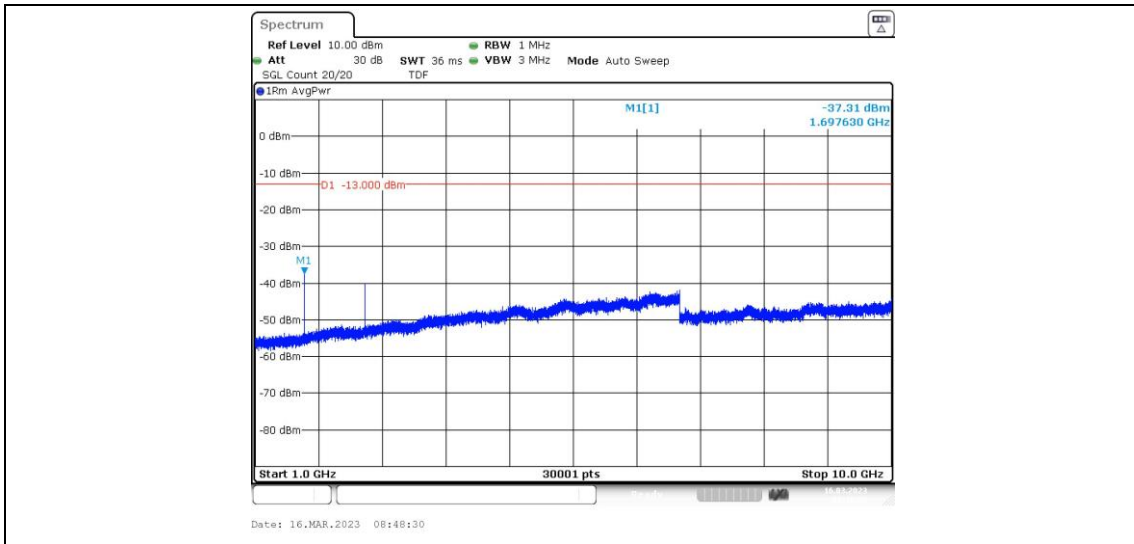
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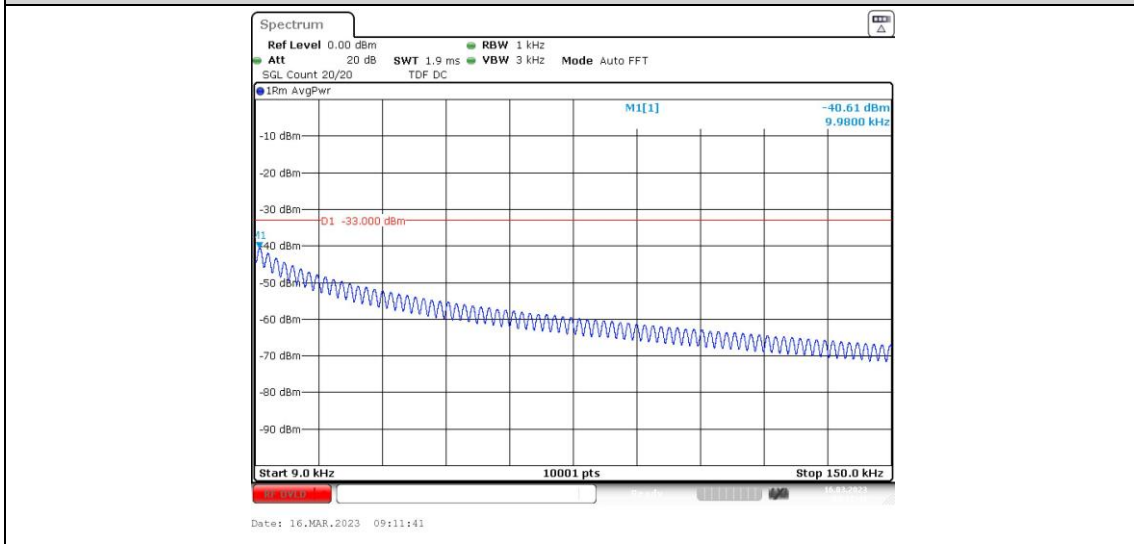
GSM850-251-30~1000MHz



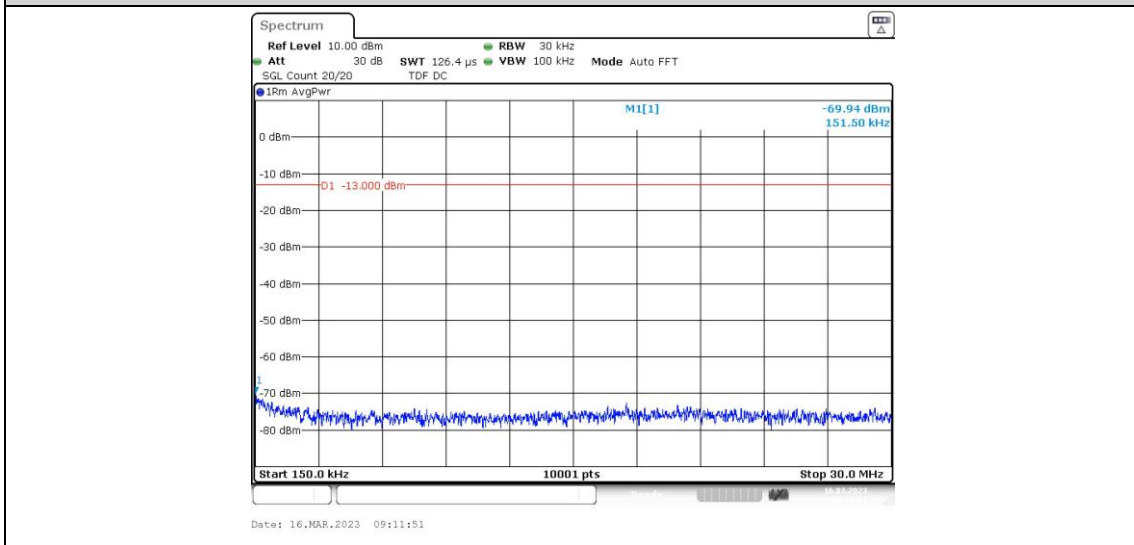
GSM850-251-1000~10000MHz



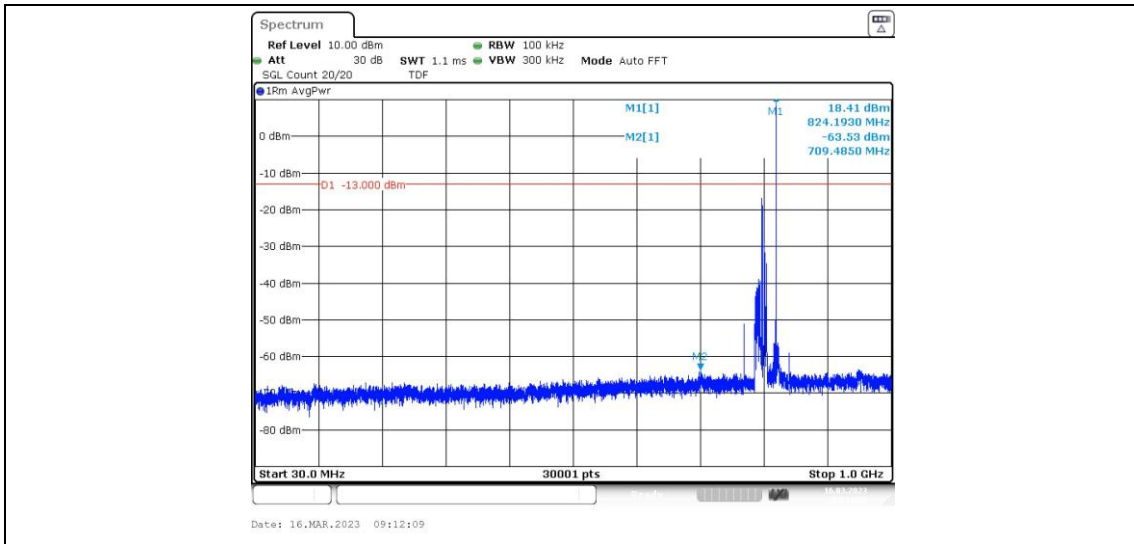
GPRS850-128-0.009~0.15MHz



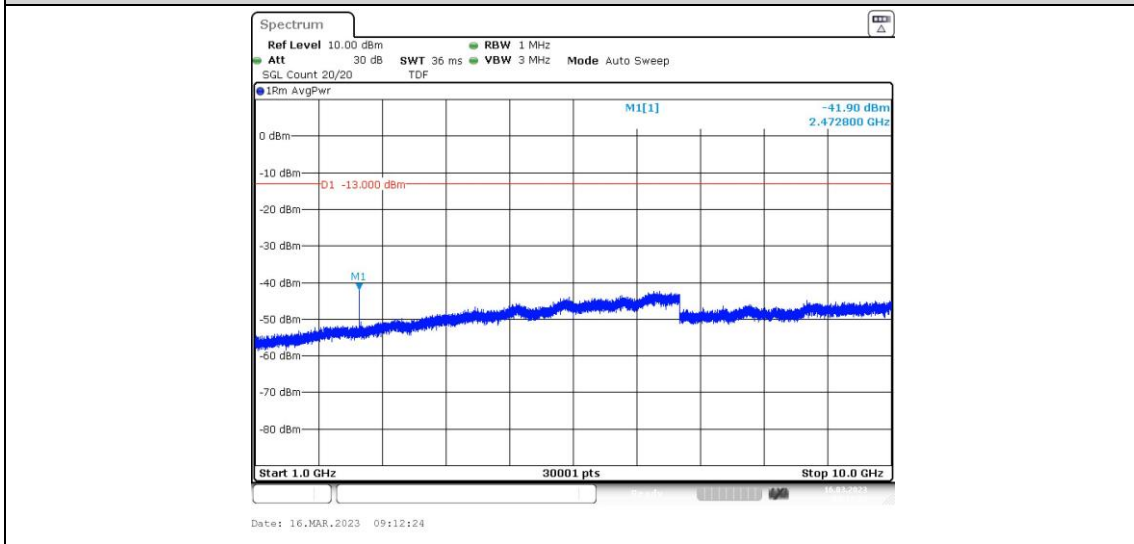
GPRS850-128-0.15~30MHz



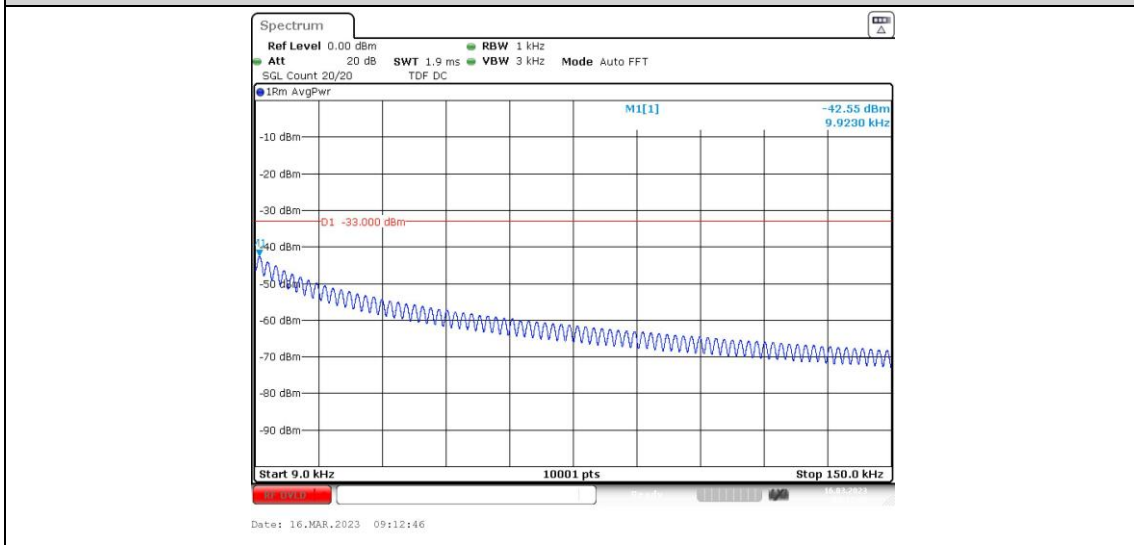
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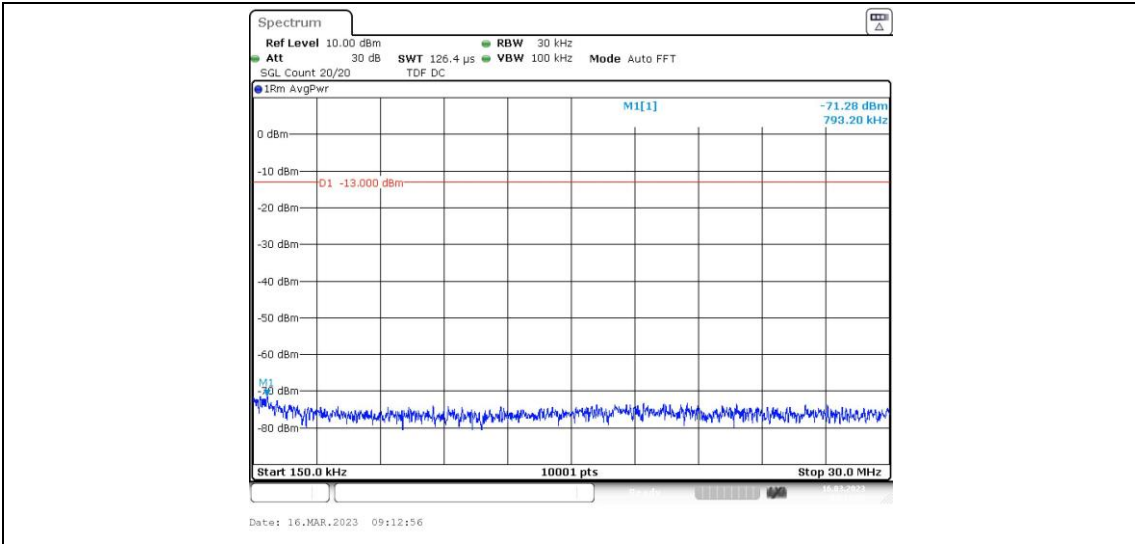
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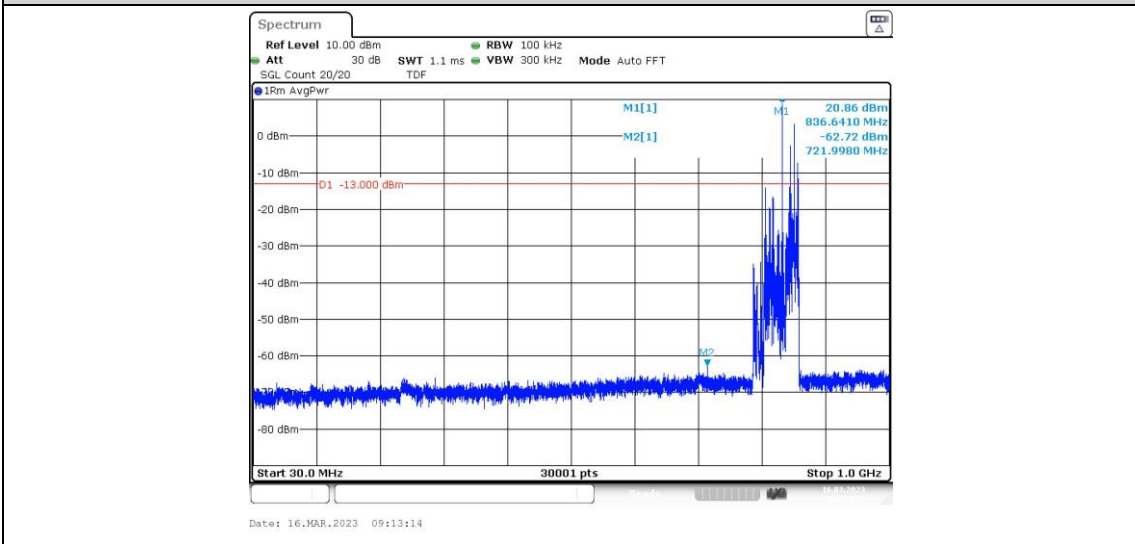
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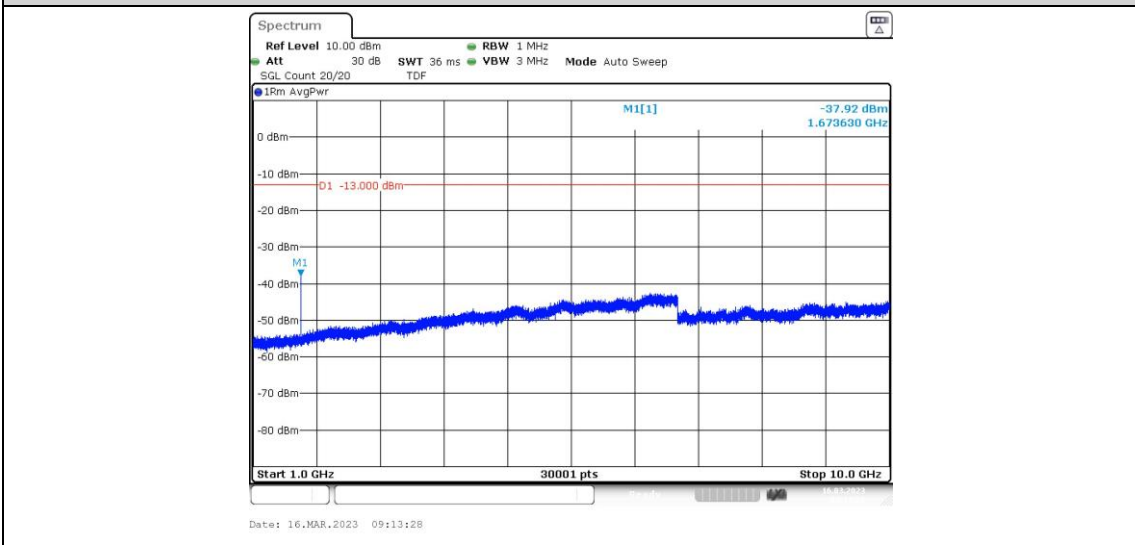
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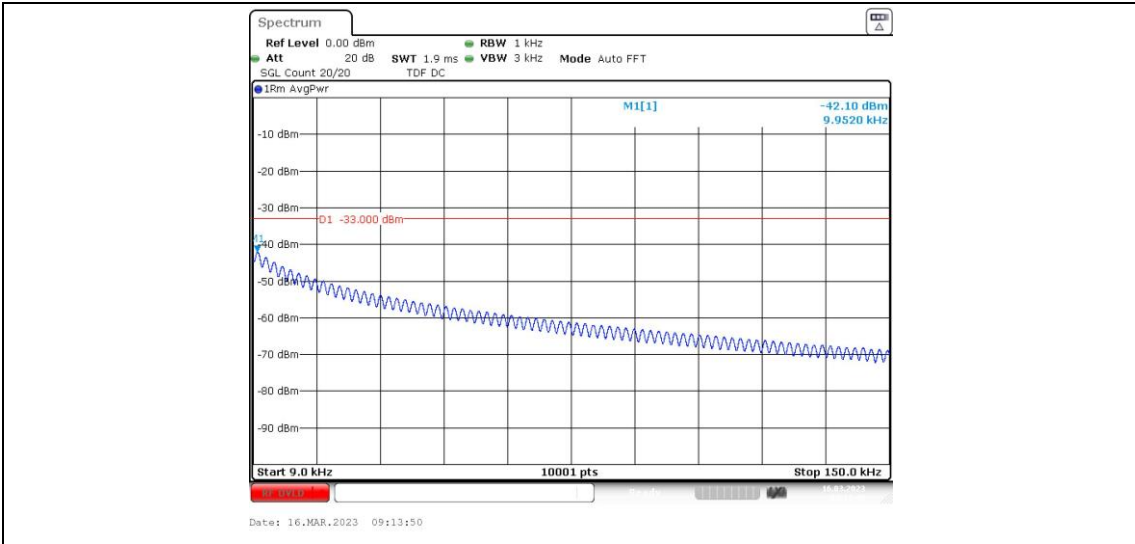
GPRS850-190-30~1000MHz



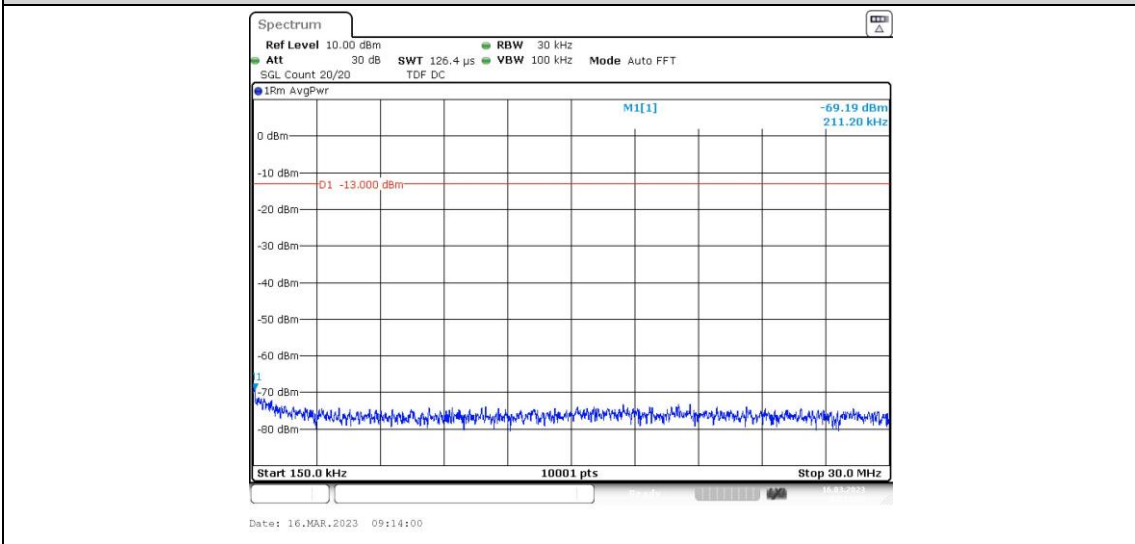
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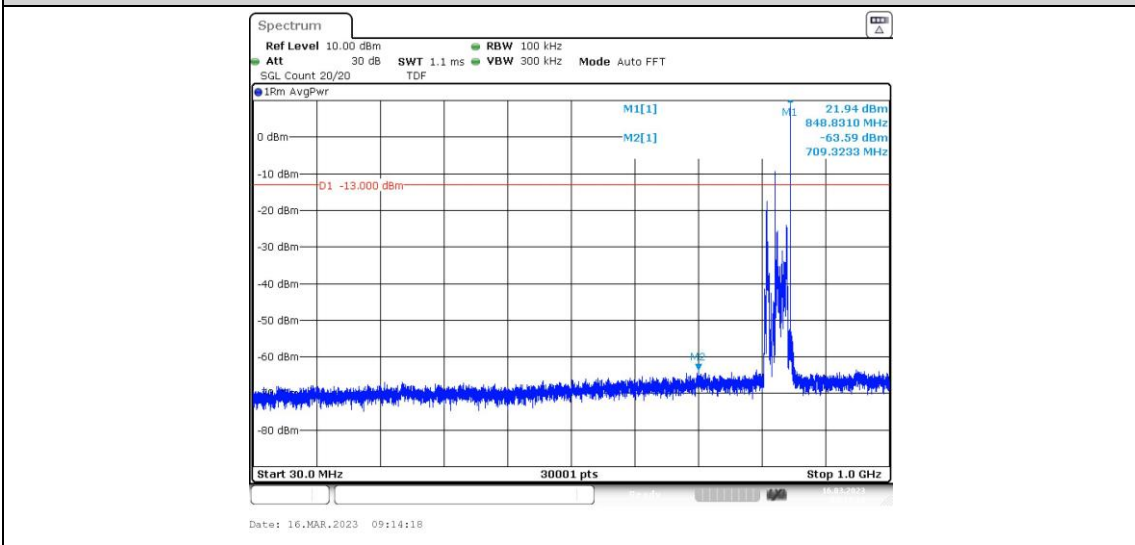
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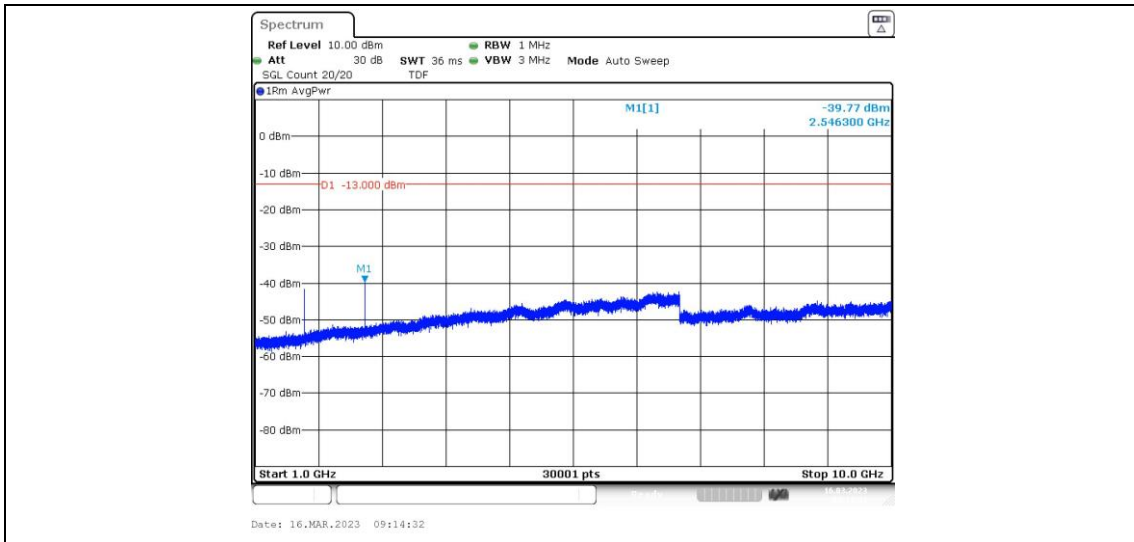
GPRS850-251-0.15~30MHz



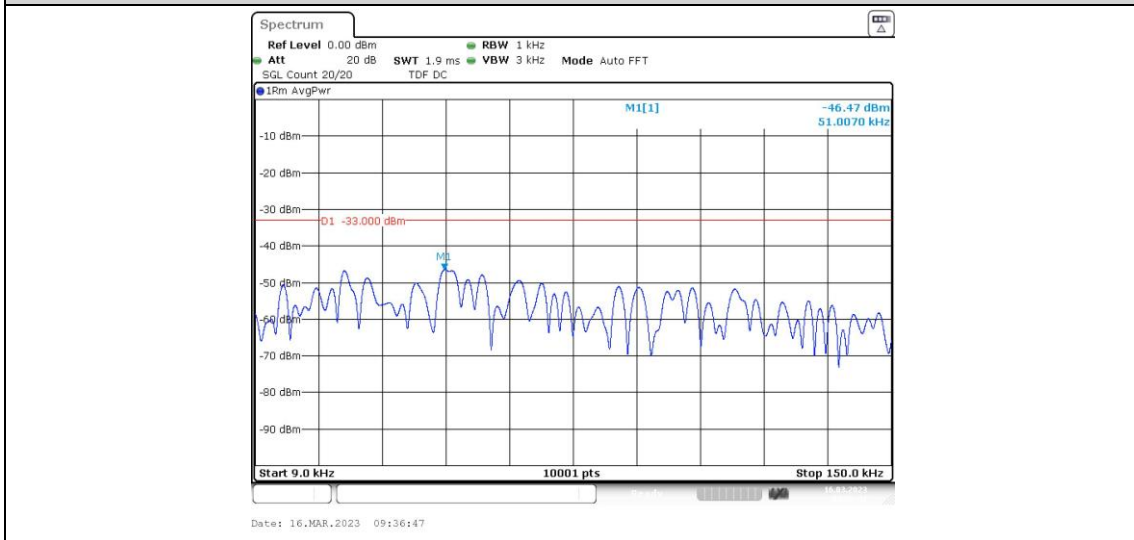
GPRS850-251-30~1000MHz



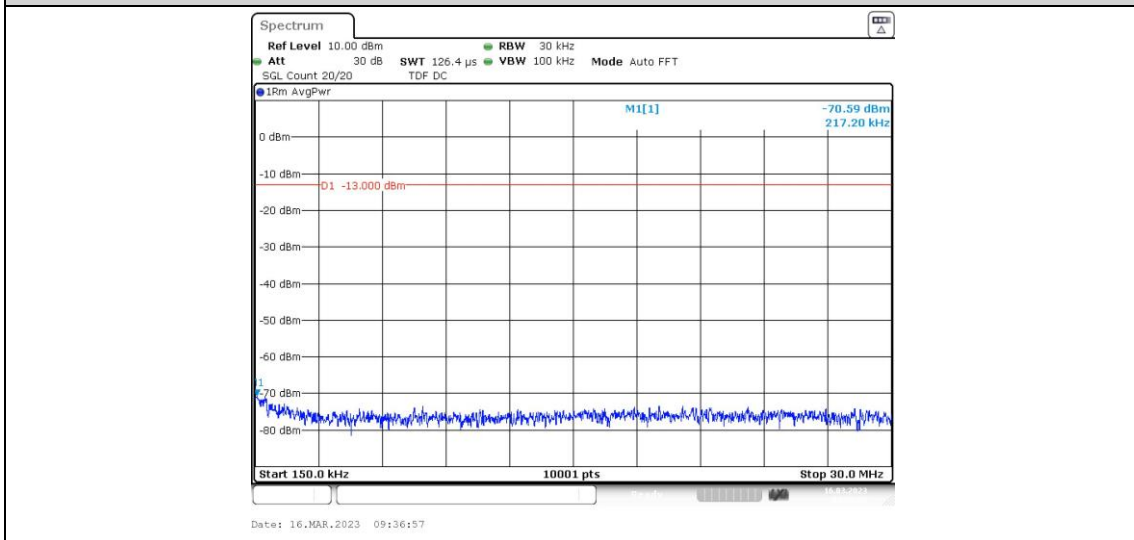
GPRS850-251-1000~10000MHz



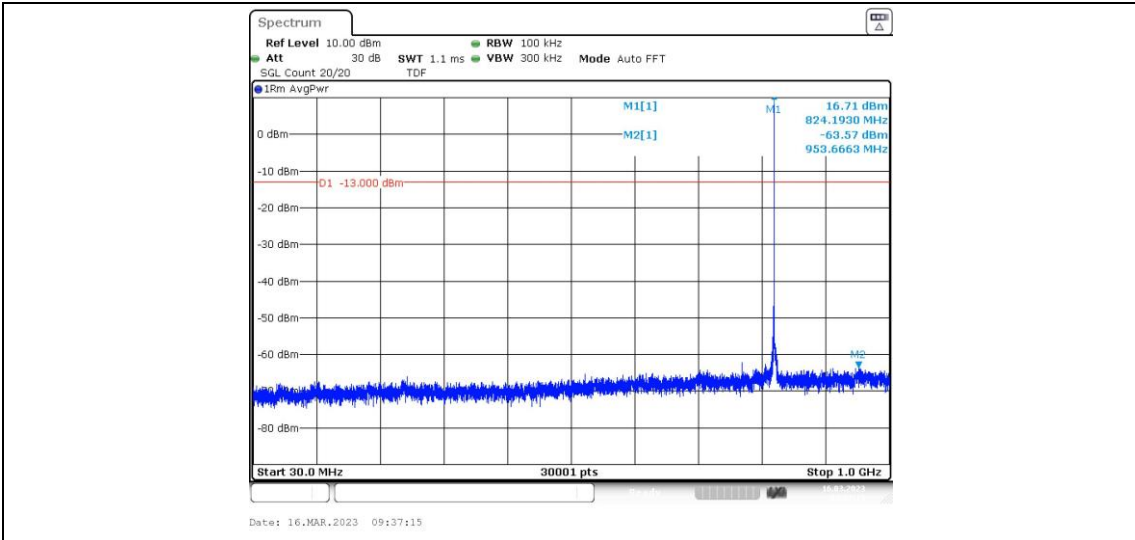
EGPRS850-128-0.009~0.15MHz



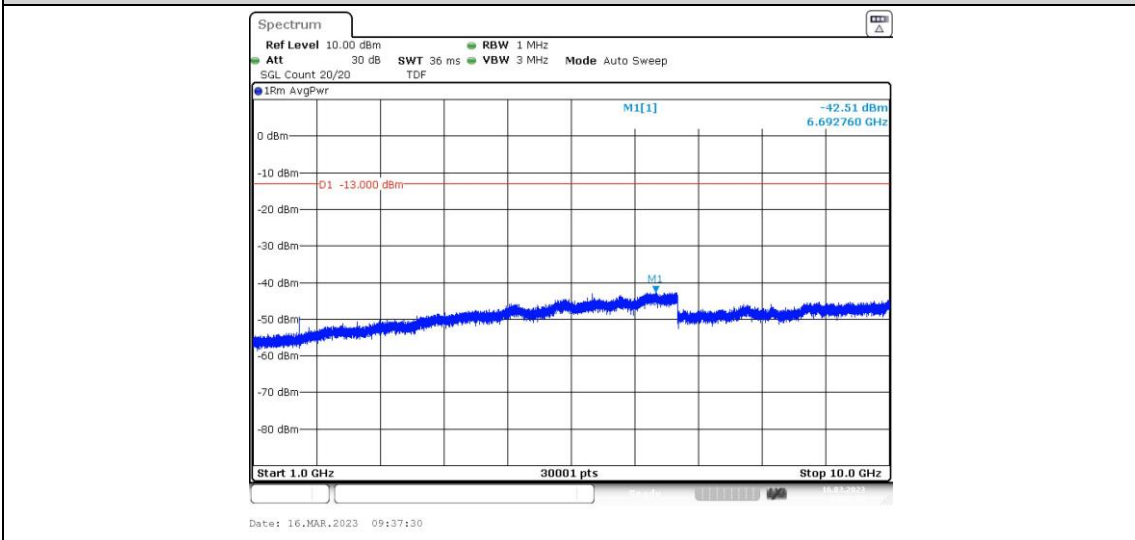
EGPRS850-128-0.15~30MHz



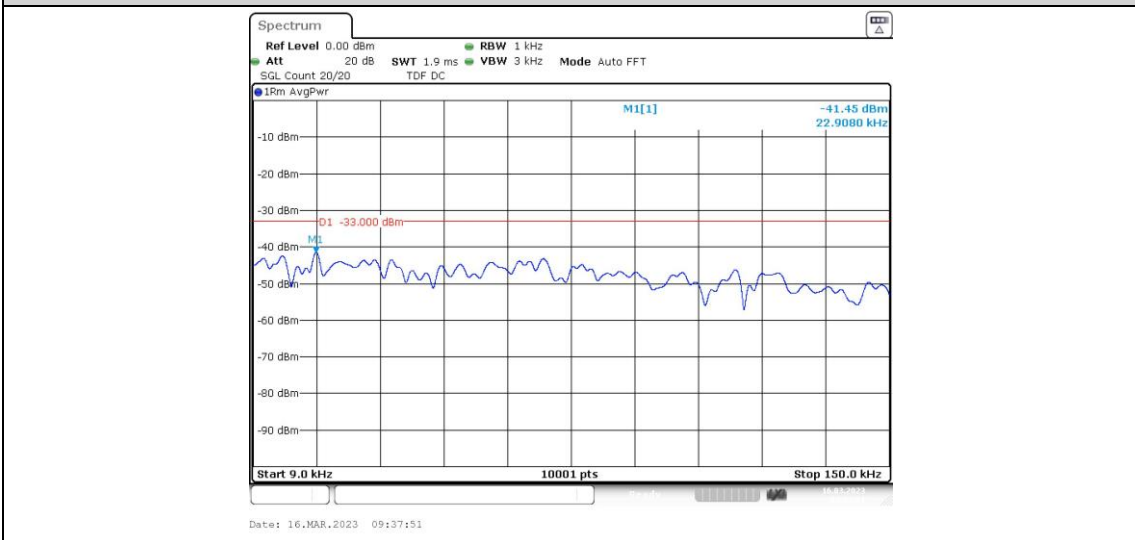
EGPRS850-128-30~1000MHz



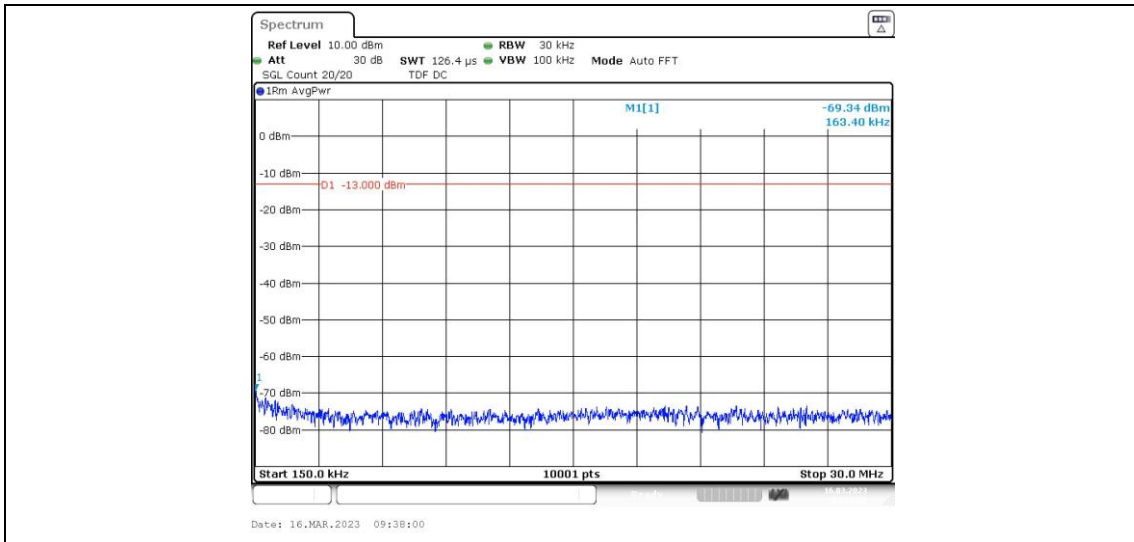
EGPRS850-128-1000~10000MHz



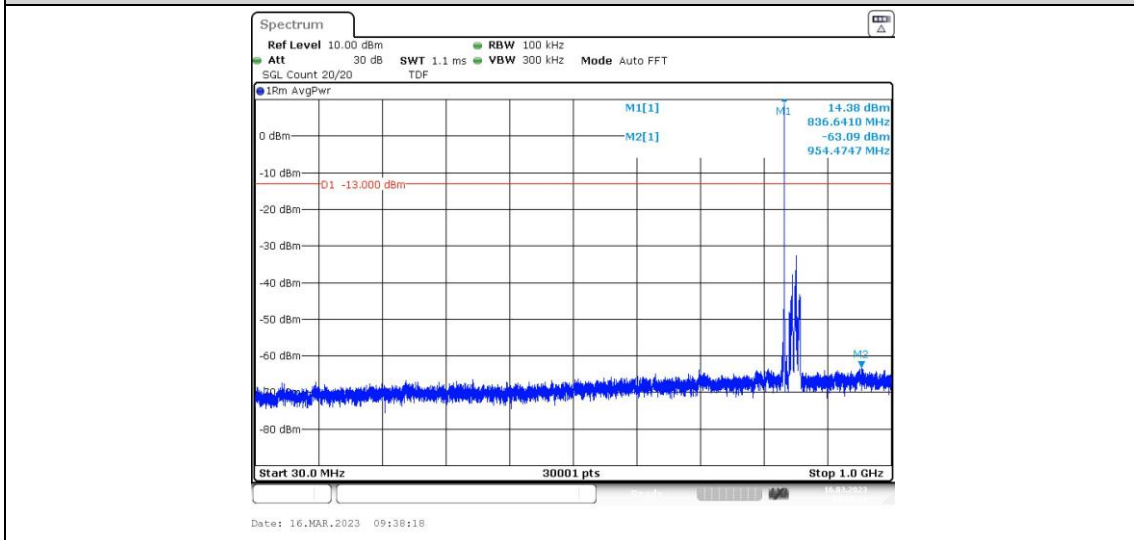
EGPRS850-190-0.009~0.15MHz



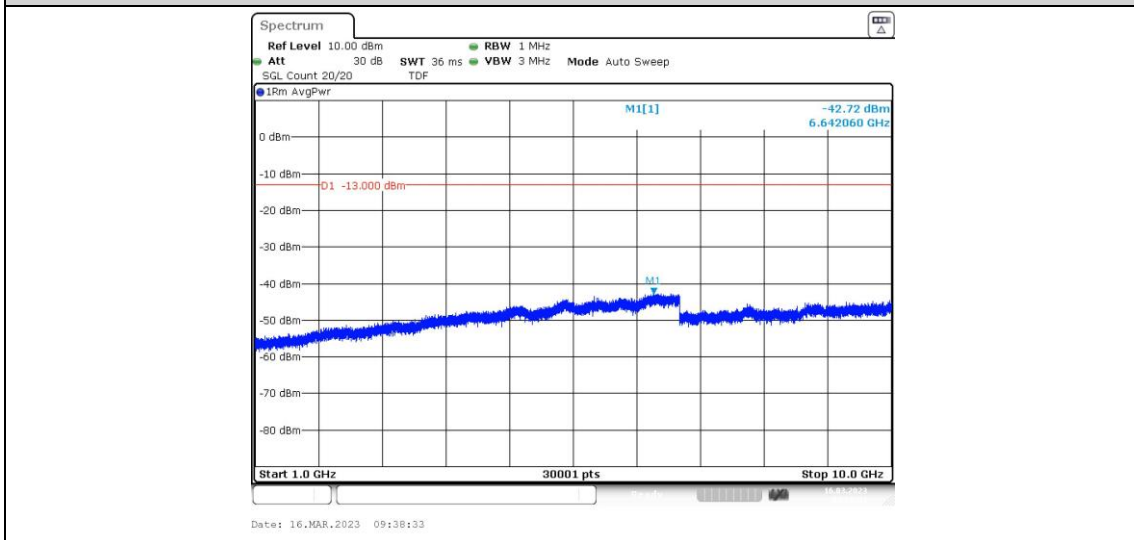
EGPRS850-190-0.15~30MHz



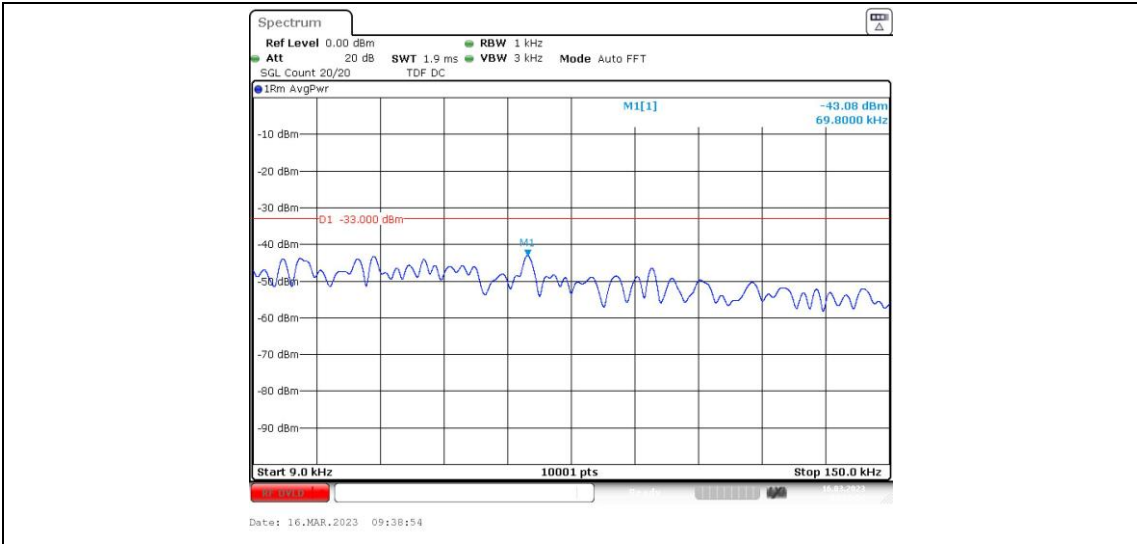
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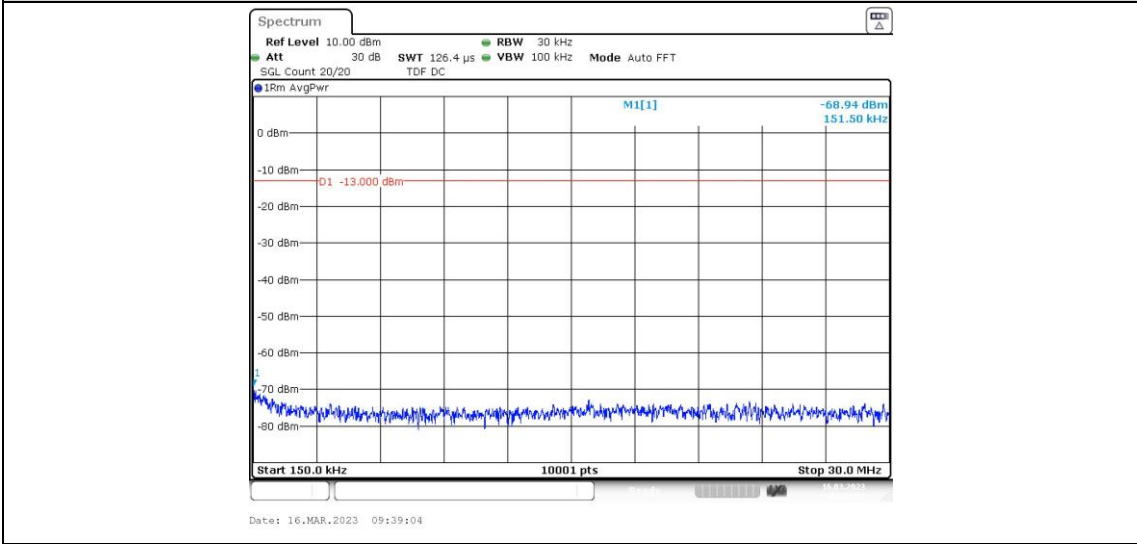
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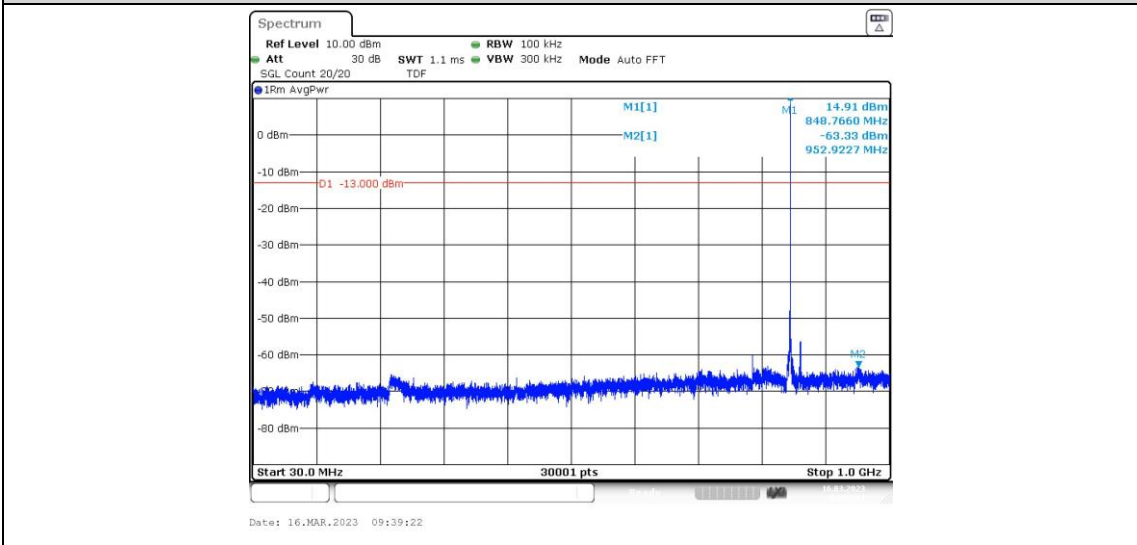
EGPRS850-251-0.009~0.15MHz



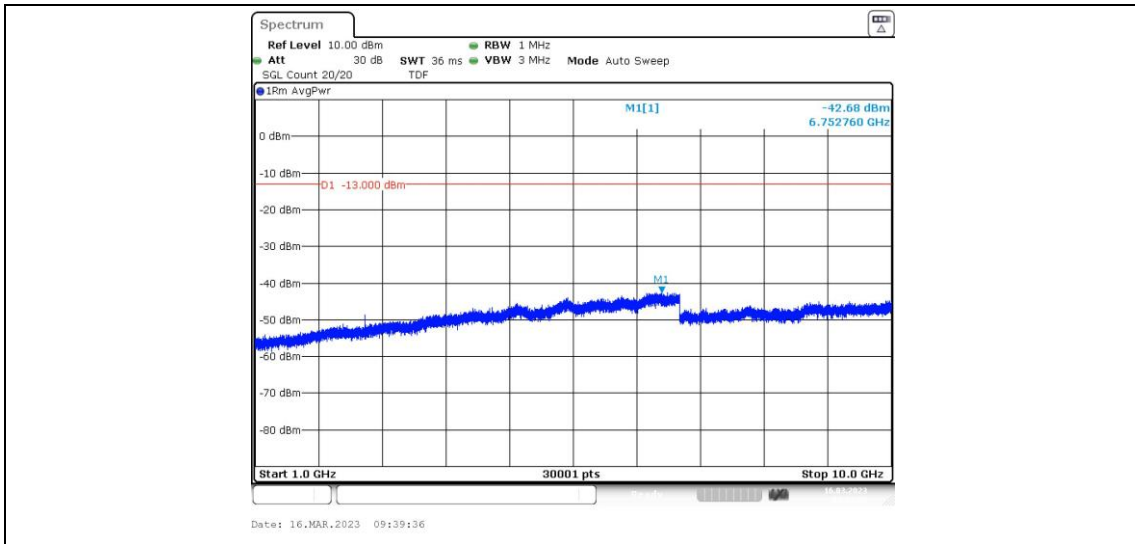
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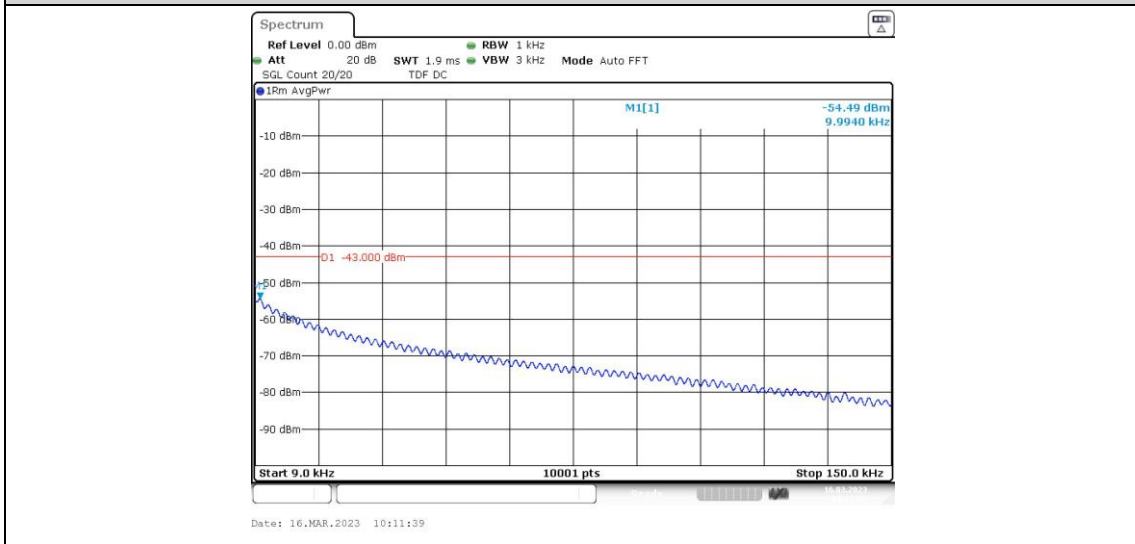
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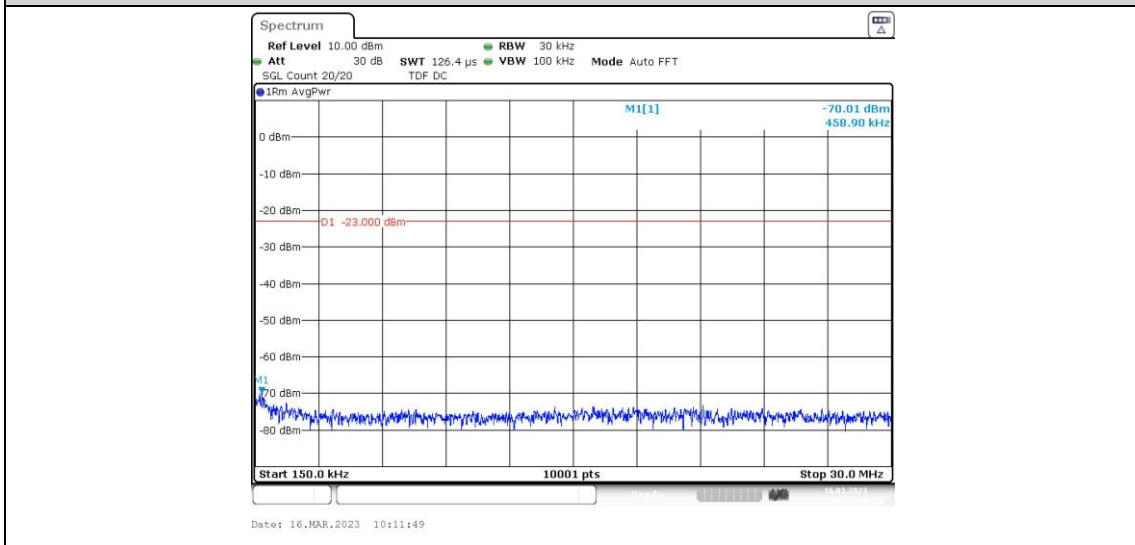
EGPRS850-251-1000~10000MHz



GSM1900-512-0.009~0.15MHz



GSM1900-512-0.15~30MHz



GSM1900-512-30~1000MHz