Appendix for GSM850&GSM1900

Product Name: Smart Phone

Model No: Neo

Appendix A: Average Power Output Data

Test Result

Band	Channel	ERP/EIRP(dBm)	Limit(dBm)	Verdict
GSM1900	512	26.54	33.00	PASS
GSM1900	661	26.43	33.00	PASS
GSM1900	810	25.70	33.00	PASS
GSM850	128	29.57	38.45	PASS
GSM850	190	29.36	38.45	PASS
GSM850	251	29.50	38.45	PASS

Band	Channel	Slot	Power(dBm)	Limit(dBm)	Verdict
GPRS850	128	1	30.28	38.45	PASS
GPRS850	128	2	29.59	38.45	PASS
GPRS850	128	3	27.99	38.45	PASS
GPRS850	128	4	26.85	38.45	PASS
GPRS850	190	1	29.82	38.45	PASS
GPRS850	190	2	29.08	38.45	PASS
GPRS850	190	3	27.43	38.45	PASS
GPRS850	190	4	26.27	38.45	PASS
GPRS850	251	1	29.85	38.45	PASS
GPRS850	251	2	29.32	38.45	PASS
GPRS850	251	3	27.64	38.45	PASS
GPRS850	251	4	26.40	38.45	PASS
GPRS1900	512	1	26.45	33.00	PASS
GPRS1900	512	2	25.60	33.00	PASS
GPRS1900	512	3	23.93	33.00	PASS
GPRS1900	512	4	22.84	33.00	PASS
GPRS1900	661	1	26.35	33.00	PASS
GPRS1900	661	2	25.51	33.00	PASS
GPRS1900	661	3	23.98	33.00	PASS
GPRS1900	661	4	22.89	33.00	PASS
GPRS190	810	1	25.86	33.00	PASS

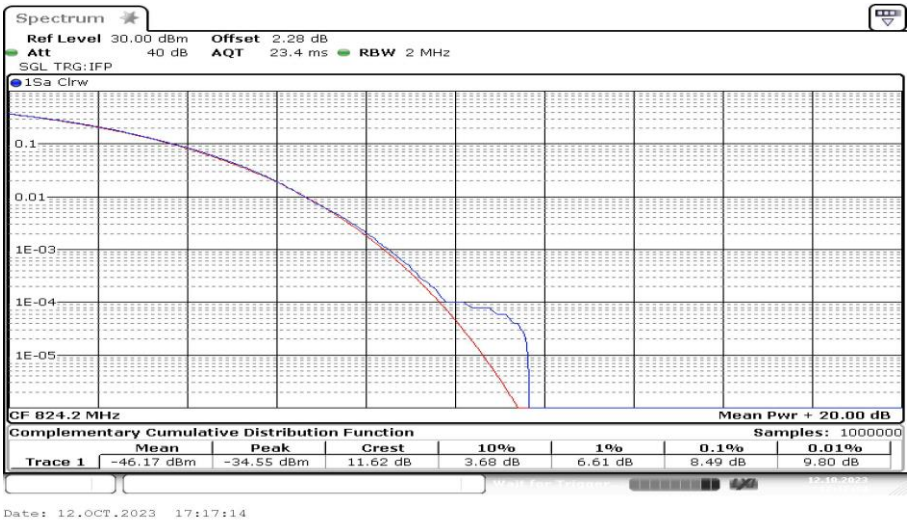
0					
GPRS1900	810	2	25.02	33.00	PASS
GPRS1900	810	3	23.25	33.00	PASS
GPRS1900	810	4	22.15	33.00	PASS

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

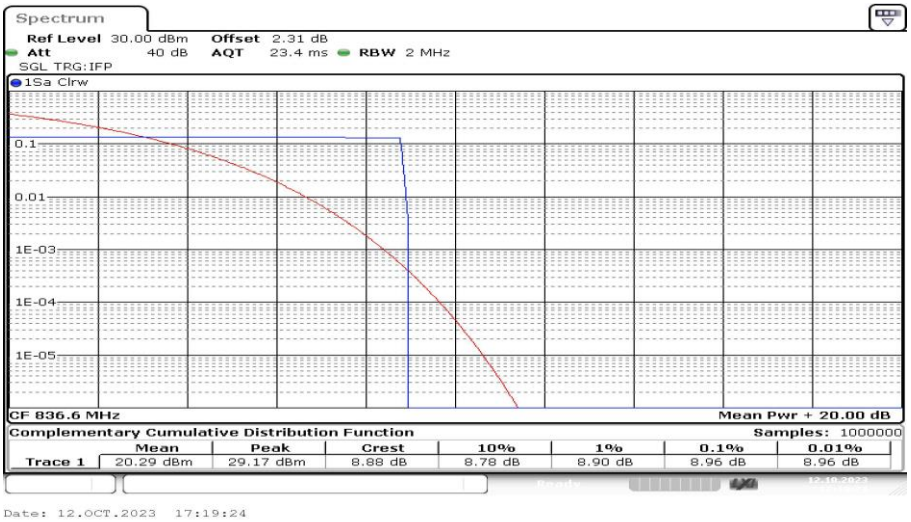
Test Result

Band	Channel	Result(dB)	Limit(dB)	Verdict
GSM850	128	8.49	13	PASS
GSM850	190	8.96	13	PASS
GSM850	251	8.9	13	PASS
GPRS850	128	9.77	13	PASS
GPRS850	190	8.96	13	PASS
GPRS850	251	9.8	13	PASS
GSM1900	512	8.96	13	PASS
GSM1900	661	9.01	13	PASS
GSM1900	810	9.86	13	PASS
GPRS1900	512	8.93	13	PASS
GPRS1900	661	8.93	13	PASS
GPRS1900	810	9.8	13	PASS

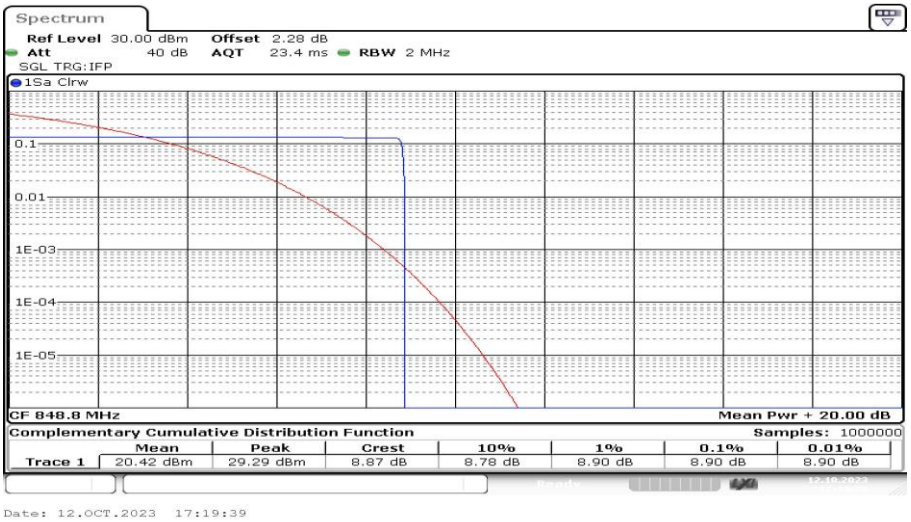
Test Graphs



GSM850-128-5-PASS



GSM850-190-5-PASS



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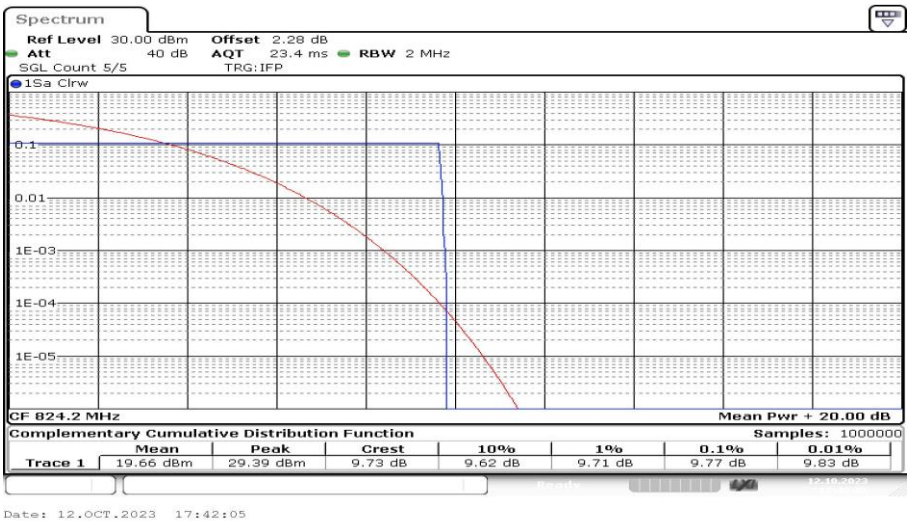
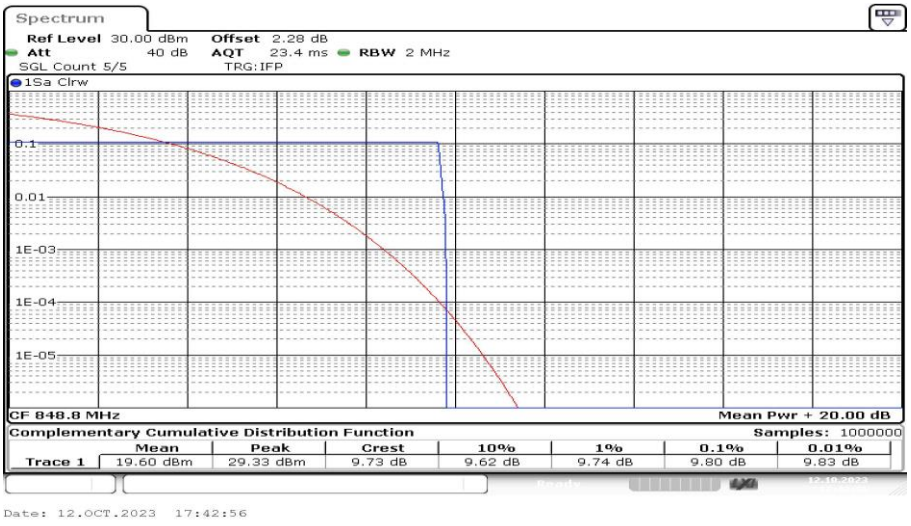
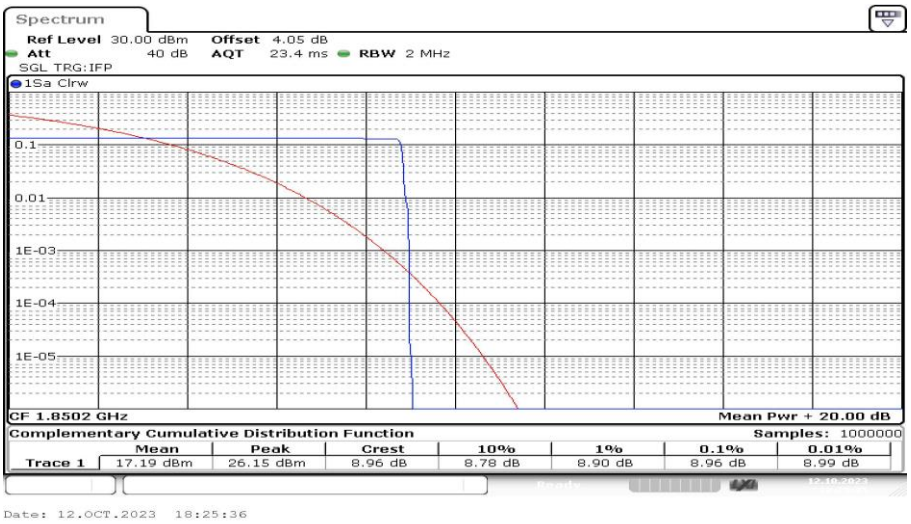


GPRS850-128-5-PASS

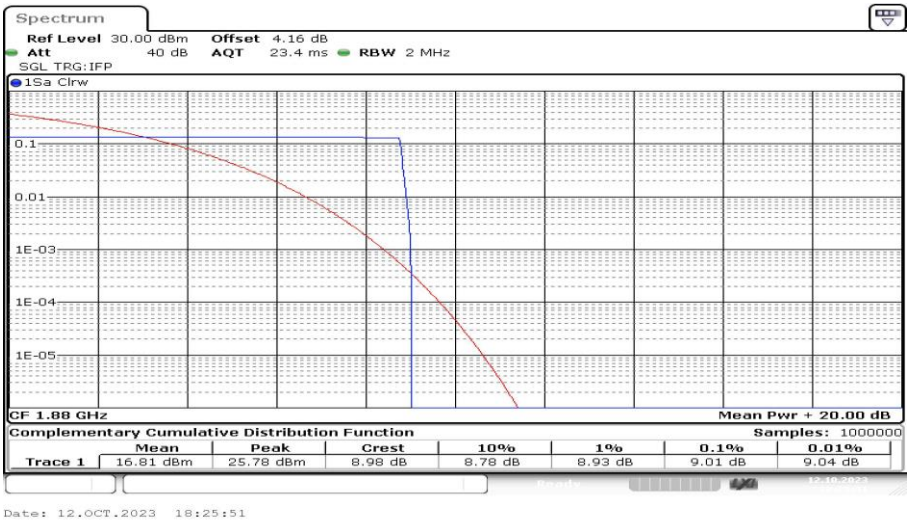
GPRS850-190-5-PASS



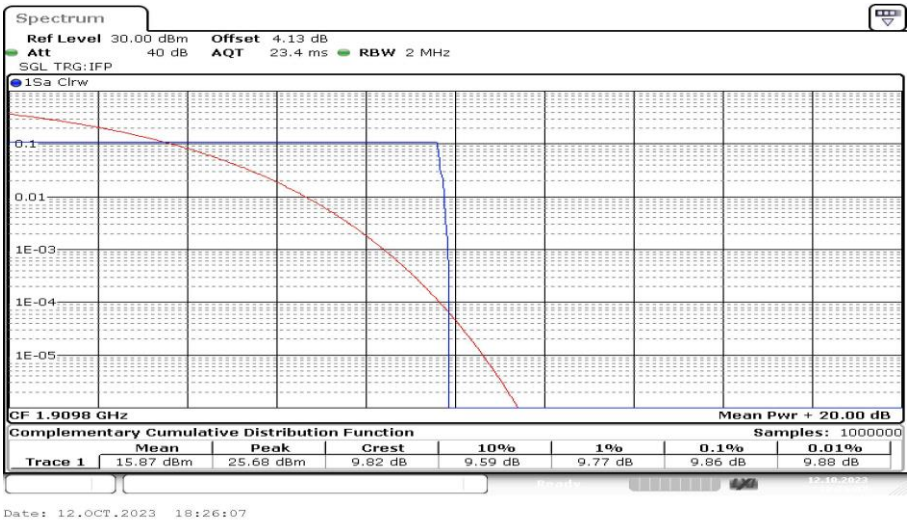
GPRS850-251-5-PASS



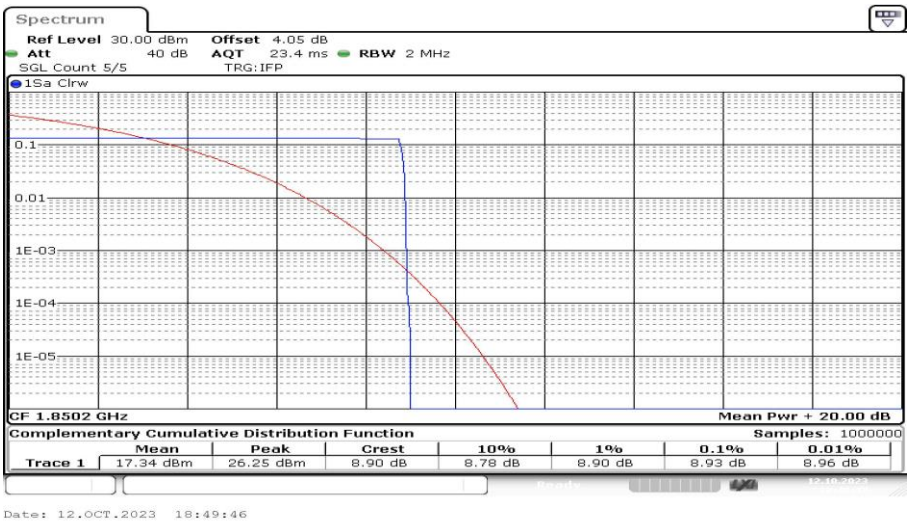
GSM1900-512-0-PASS



GSM1900-661-0-PASS

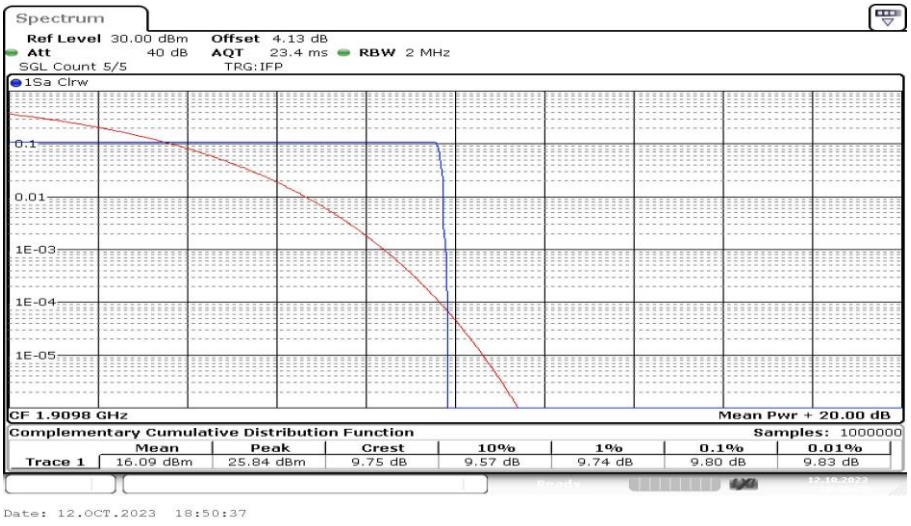


GSM1900-810-0-PASS



GPRS1900-512-0-PASS

GPRS1900-661-0-PASS



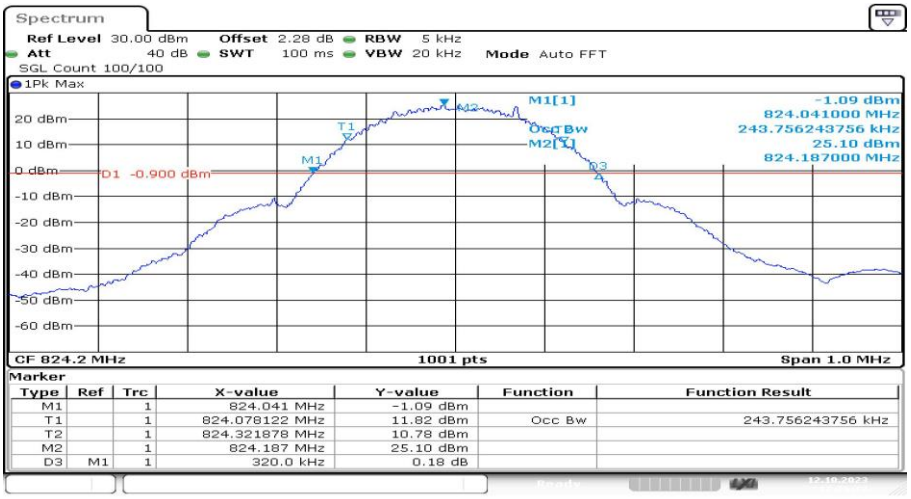
GPRS1900-810-0-PASS

Appendix C: 26dB Bandwidth and Occupied Bandwidth

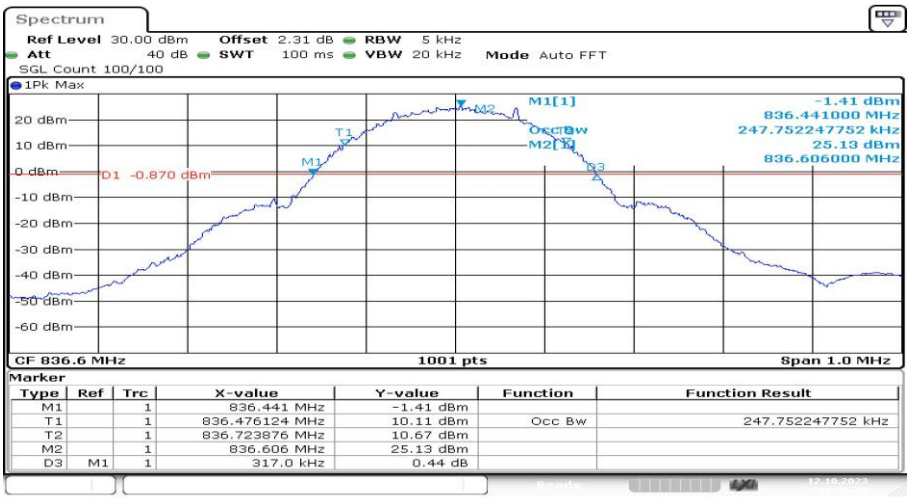
Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GSM850	128	0.244	0.32	---	PASS
GSM850	190	0.248	0.32	---	PASS
GSM850	251	0.244	0.32	---	PASS
GPRS850	128	0.247	0.32	---	PASS
GPRS850	190	0.245	0.32	---	PASS
GPRS850	251	0.244	0.32	---	PASS
GSM1900	512	0.243	0.32	---	PASS
GSM1900	661	0.244	0.31	---	PASS
GSM1900	810	0.244	0.32	---	PASS
GPRS1900	512	0.243	0.32	---	PASS
GPRS1900	661	0.243	0.32	---	PASS
GPRS1900	810	0.245	0.32	---	PASS

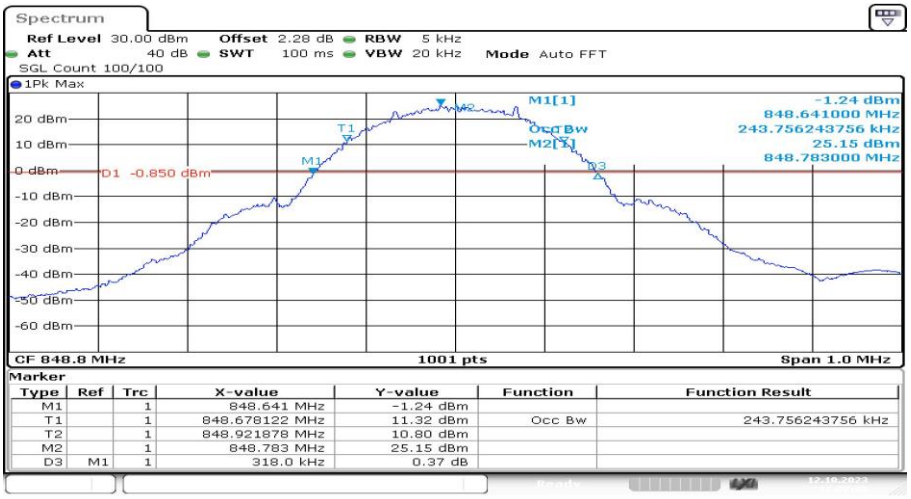
Test Graphs



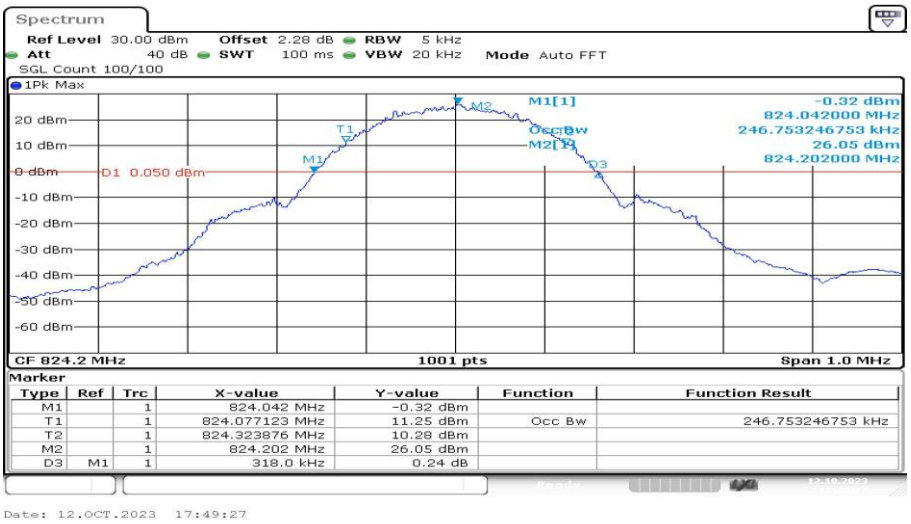
GSM850-128-5-PASS



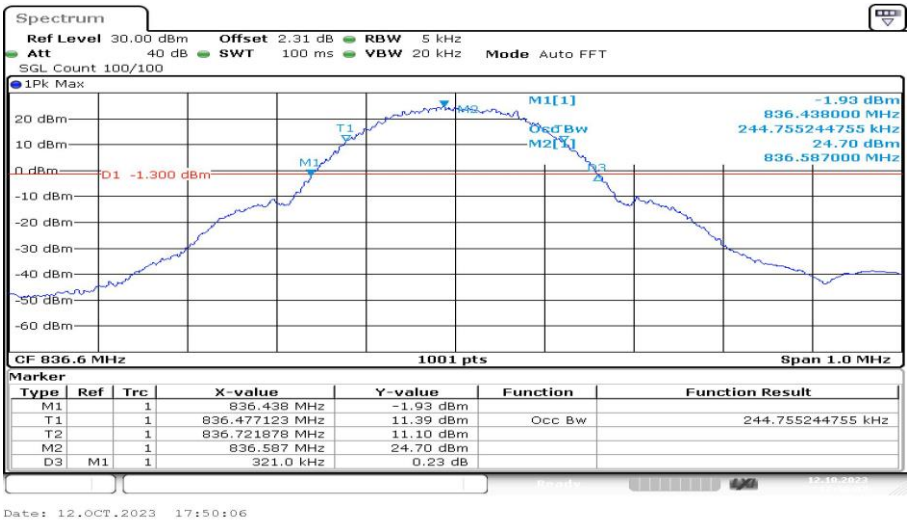
GSM850-190-5-PASS



GSM850-251-5-PASS



GPRS850-128-5-PASS



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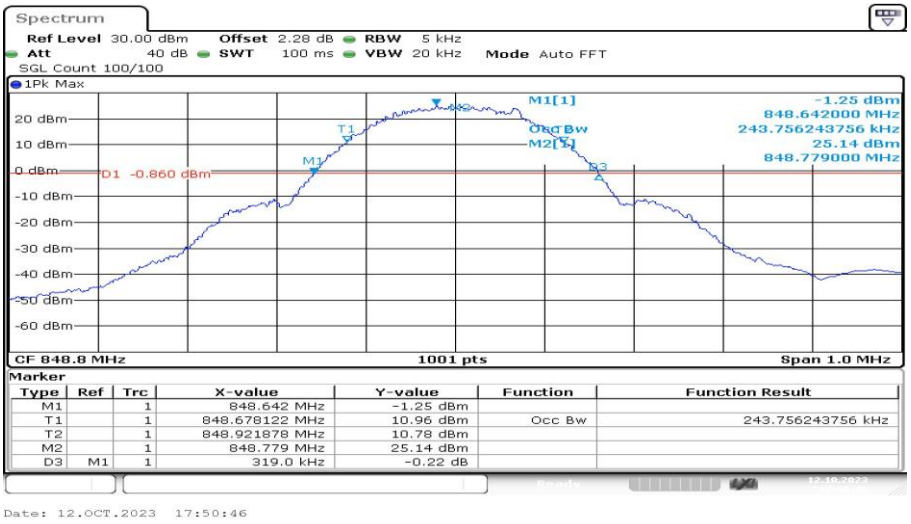
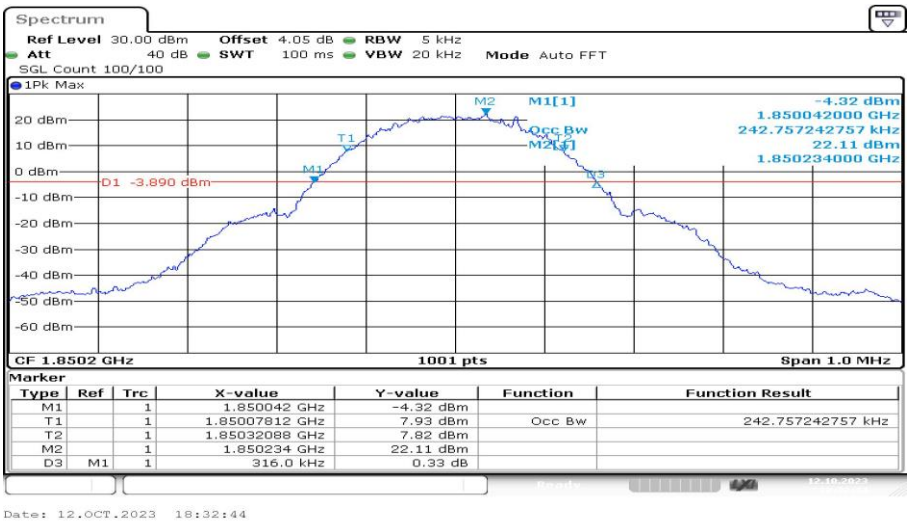
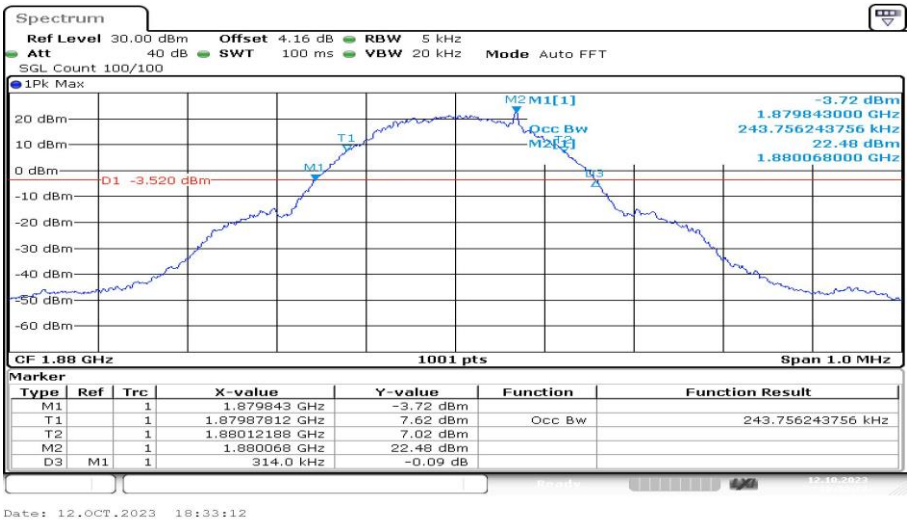


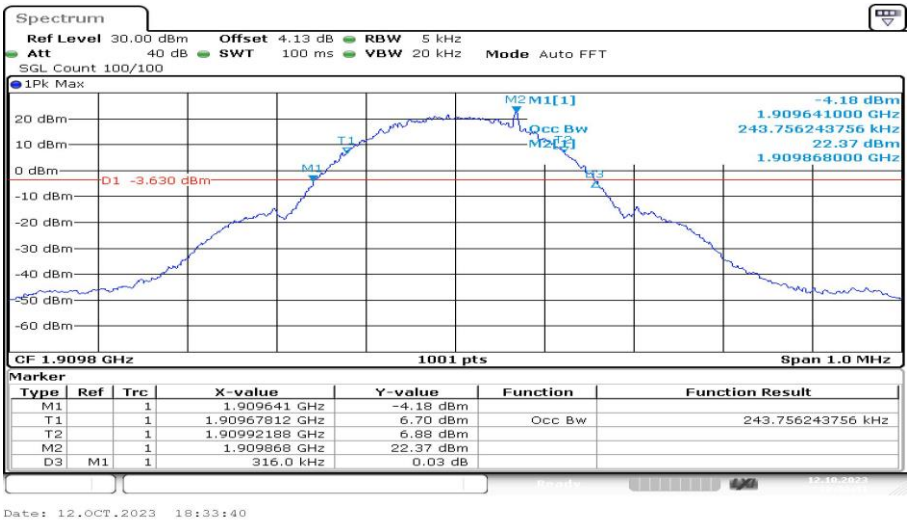
GPRS850-251-5-PASS



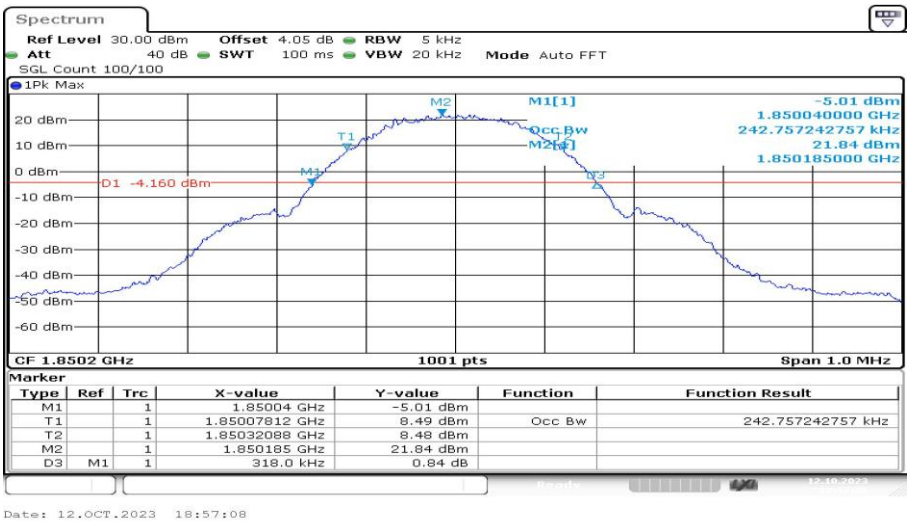
GSM1900-512-0-PASS



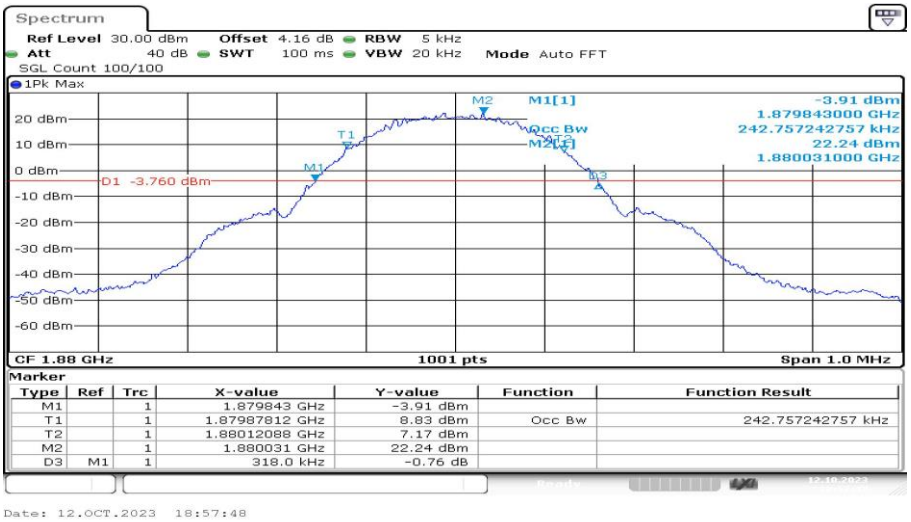
GSM1900-661-0-PASS



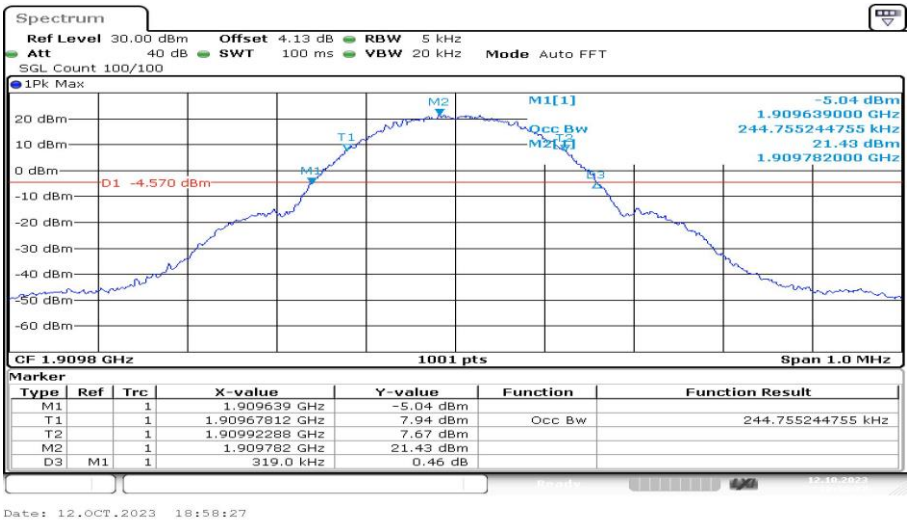
GSM1900-810-0-PASS



GPRS1900-512-0-PASS



GPRS1900-661-0-PASS



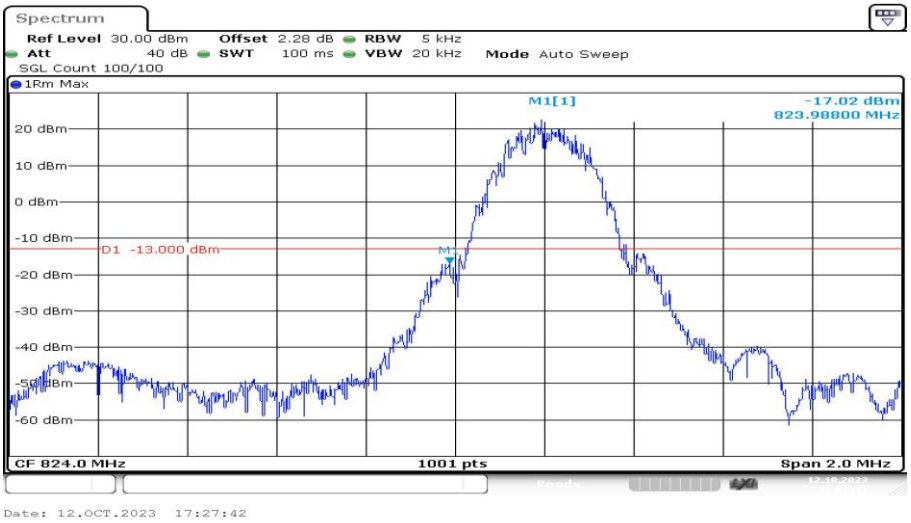
GPRS1900-810-0-PASS

Appendix D: Band Edge

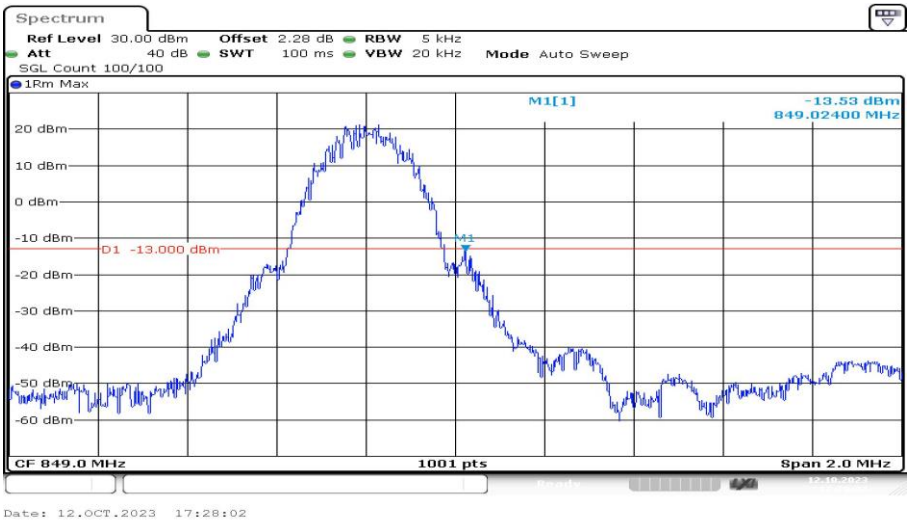
Test Result

Band	Channel	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GSM850	128	823.99	-17.02	-13	PASS
GSM850	251	849.02	-13.53	-13	PASS
GPRS850	128	824.00	-13.06	-13	PASS
GPRS850	251	849.02	-14.64	-13	PASS
GSM1900	512	1850.00	-18.36	-13	PASS
GSM1900	810	1910.02	-19.58	-13	PASS
GPRS1900	512	1849.98	-18.87	-13	PASS
GPRS1900	810	1910.02	-17.14	-13	PASS

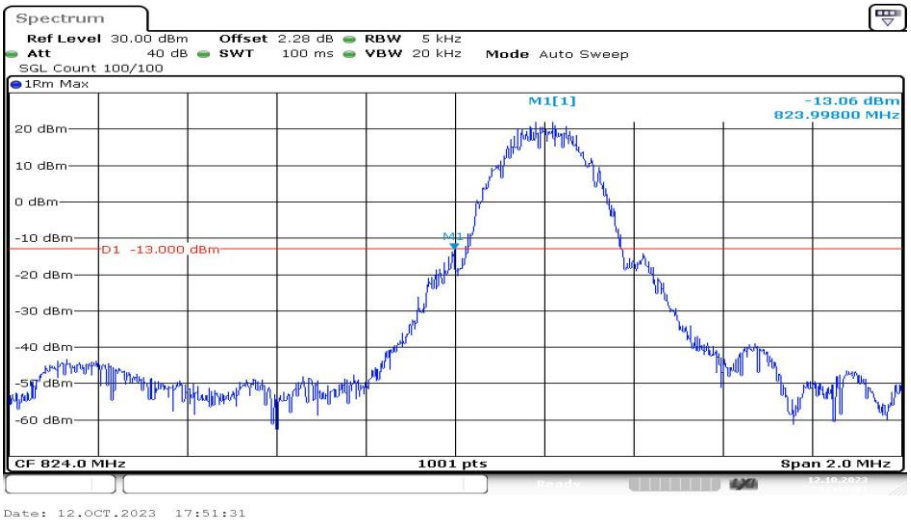
Test Graphs



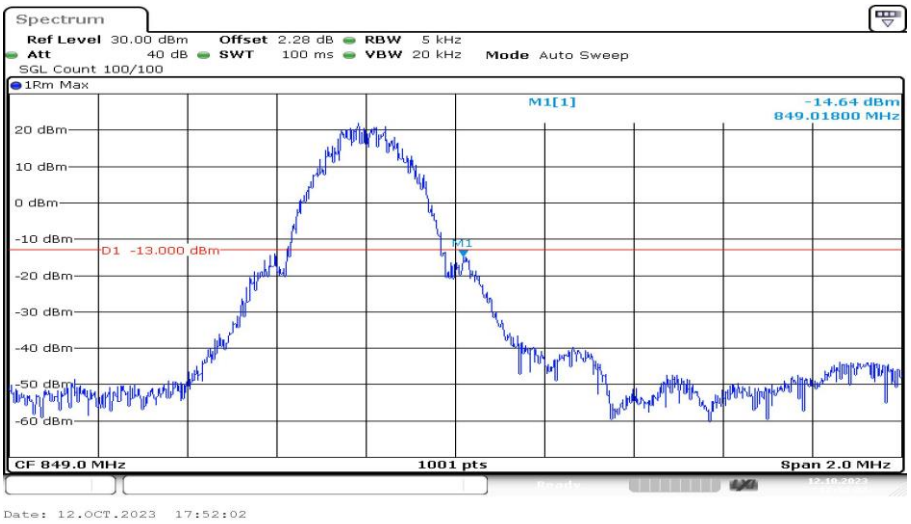
GSM850-128-5-PASS



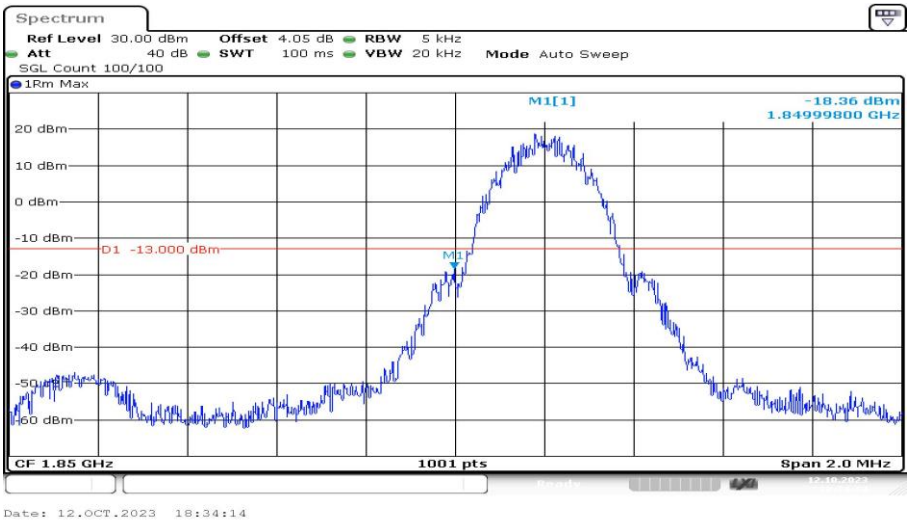
GSM850-251-5-PASS



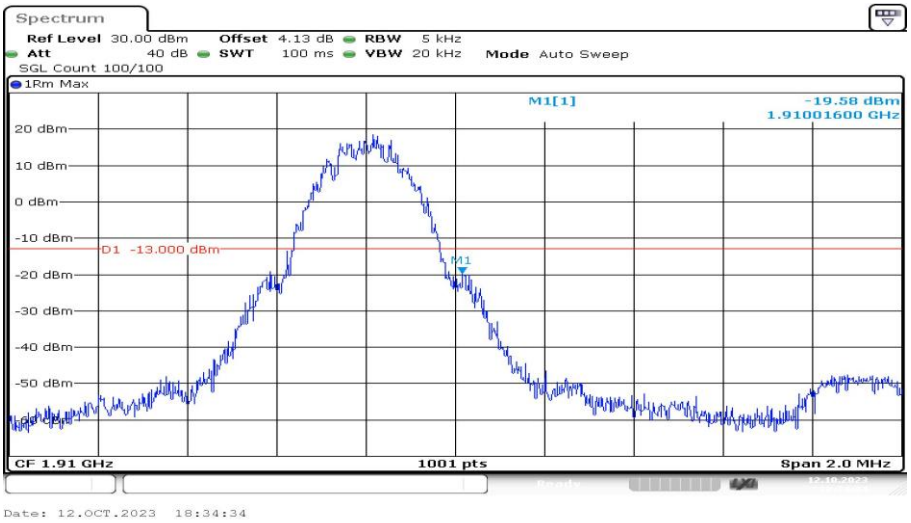
GPRS850-128-5-PASS



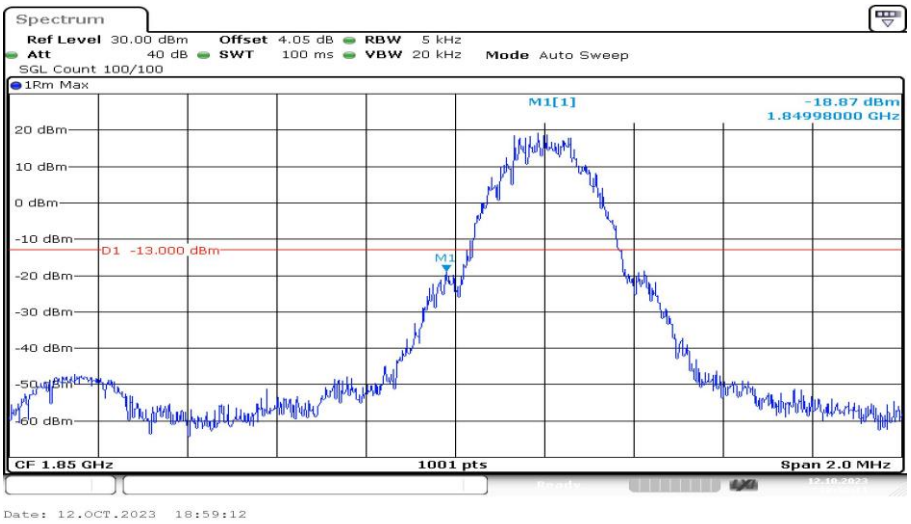
GPRS850-251-5-PASS



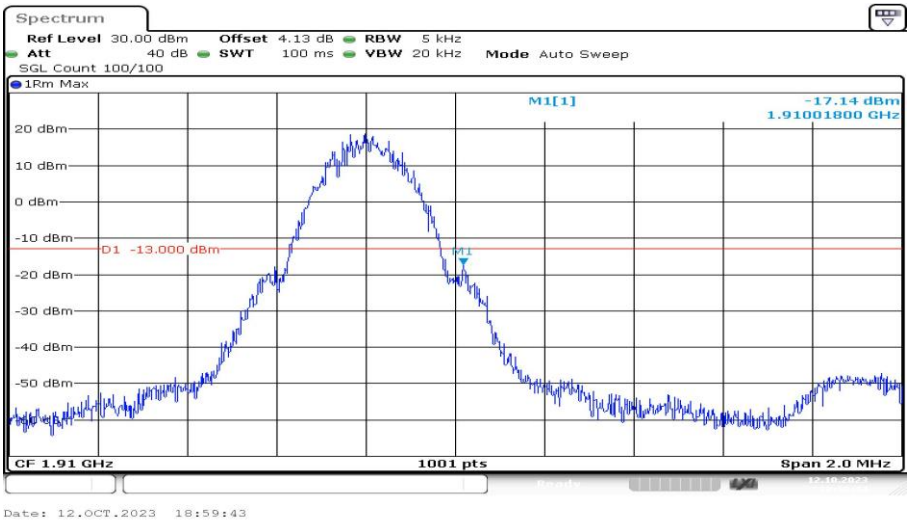
GSM1900-512-0-PASS



GSM1900-810-0-PASS



GPRS1900-512-0-PASS



GPRS1900-810-0-PASS

Appendix E: Conducted Spurious Emission

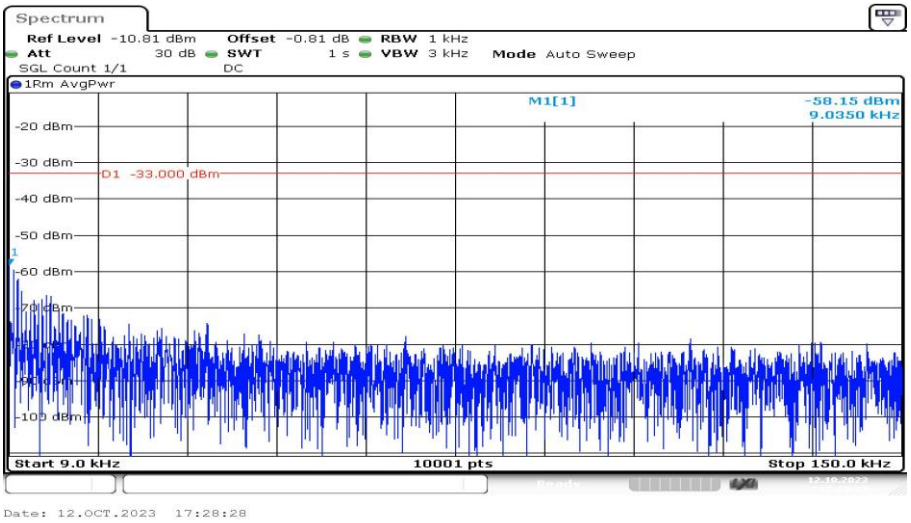
Test Result

Band	Channel	Frequency Range(MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
GSM850	128	0.009~0.15MHz	0.01	-58.15	-33	PASS
GSM850	128	0.15~30MHz	0.15	-65.89	-23	PASS
GSM850	128	30~1000MHz	976.17	-53.87	-13	PASS
GSM850	128	1000~10000MHz	2472.5	-43	-13	PASS
GSM850	190	0.009~0.15MHz	0.01	-58.55	-33	PASS
GSM850	190	0.15~30MHz	0.17	-65.48	-23	PASS
GSM850	190	30~1000MHz	971.35	-53.69	-13	PASS

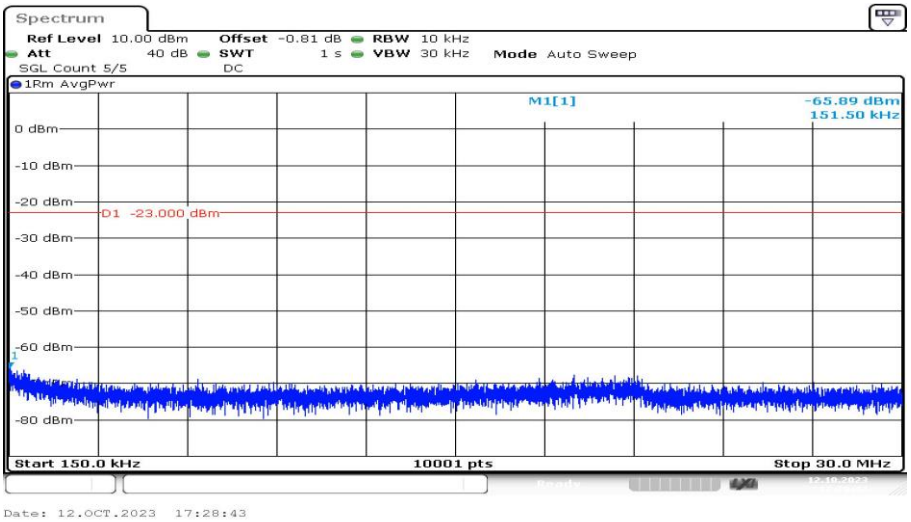
GSM850	190	1000~10000MHz	1674.23	-51.32	-13	PASS
GSM850	251	0.009~0.15MHz	0.01	-60.17	-33	PASS
GSM850	251	0.15~30MHz	0.17	-65.48	-23	PASS
GSM850	251	30~1000MHz	976.78	-53.68	-13	PASS
GSM850	251	1000~10000MHz	2546.3	-42.62	-13	PASS
GPRS850	128	0.009~0.15MHz	0.01	-73.14	-33	PASS
GPRS850	128	0.15~30MHz	0.21	-64.55	-23	PASS
GPRS850	128	30~1000MHz	987.88	-53.93	-13	PASS
GPRS850	128	1000~10000MHz	2472.5	-42.01	-13	PASS
GPRS850	190	0.009~0.15MHz	0.01	-74.2	-33	PASS
GPRS850	190	0.15~30MHz	0.17	-65.55	-23	PASS
GPRS850	190	30~1000MHz	954.31	-53.68	-13	PASS
GPRS850	190	1000~10000MHz	6562.26	-52.19	-13	PASS
GPRS850	251	0.009~0.15MHz	0.01	-73.54	-33	PASS
GPRS850	251	0.15~30MHz	0.16	-64.94	-23	PASS
GPRS850	251	30~1000MHz	981.34	-53.87	-13	PASS
GPRS850	251	1000~10000MHz	6585.06	-52.07	-13	PASS
GSM1900	512	0.009~0.15MHz	0.01	-66.33	-43	PASS
GSM1900	512	0.15~30MHz	0.15	-63.14	-33	PASS
GSM1900	512	30~1000MHz	995.55	-50.82	-13	PASS
GSM1900	512	1000~3000MHz	2950.13	-39.82	-13	PASS
GSM1900	512	3000~18000MHz	5550.16	-48.37	-13	PASS
GSM1900	661	0.009~0.15MHz	0.01	-67.59	-43	PASS
GSM1900	661	0.15~30MHz	0.17	-65.69	-33	PASS
GSM1900	661	30~1000MHz	968.43	-50.92	-13	PASS
GSM1900	661	1000~3000MHz	2982	-40.06	-13	PASS
GSM1900	661	3000~18000MHz	3760.22	-38.85	-13	PASS
GSM1900	810	0.009~0.15MHz	0.01	-67.16	-43	PASS
GSM1900	810	0.15~30MHz	0.19	-65.25	-33	PASS
GSM1900	810	30~1000MHz	999.76	-50.84	-13	PASS
GSM1900	810	1000~3000MHz	2922.2	-40.01	-13	PASS
GSM1900	810	3000~18000MHz	3819.72	-39.74	-13	PASS
GPRS1900	512	0.009~0.15MHz	0.01	-71.89	-43	PASS
GPRS1900	512	0.15~30MHz	0.16	-63.71	-33	PASS
GPRS1900	512	30~1000MHz	961.28	-50.75	-13	PASS
GPRS1900	512	1000~3000MHz	2938.4	-40.03	-13	PASS
GPRS1900	512	3000~18000MHz	5551.16	-48.34	-13	PASS
GPRS1900	661	0.009~0.15MHz	0.01	-71.34	-43	PASS
GPRS1900	661	0.15~30MHz	0.36	-65.18	-33	PASS
GPRS1900	661	30~1000MHz	986.76	-50.88	-13	PASS
GPRS1900	661	1000~3000MHz	2983.27	-39.92	-13	PASS
GPRS1900	661	3000~18000MHz	3760.22	-32.37	-13	PASS

GPRS1900	810	0.009~0.15MHz	0.01	-70.99	-43	PASS
GPRS1900	810	0.15~30MHz	0.25	-64.1	-33	PASS
GPRS1900	810	30~1000MHz	883.88	-50.85	-13	PASS
GPRS1900	810	1000~3000MHz	2924.07	-39.98	-13	PASS
GPRS1900	810	3000~18000MHz	3819.72	-37.38	-13	PASS

Test Graphs



GSM850-128-5-0.009~0.15MHz-PASS



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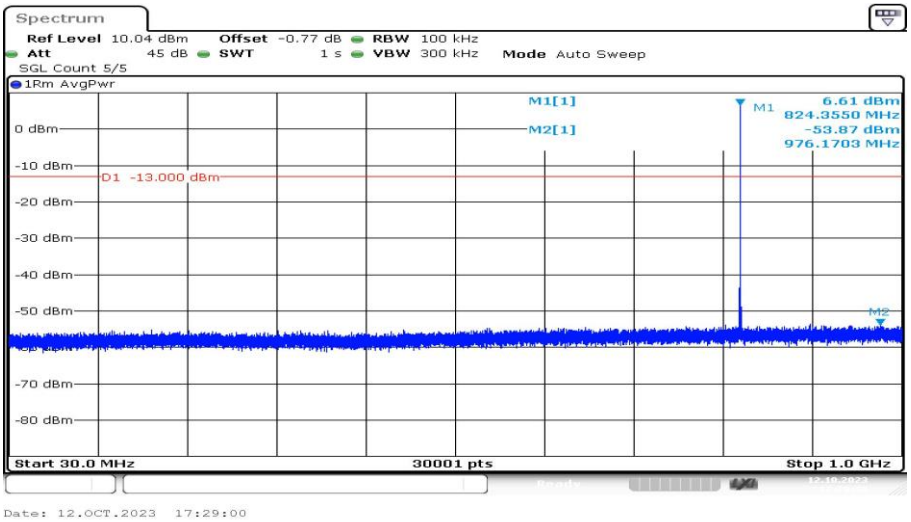
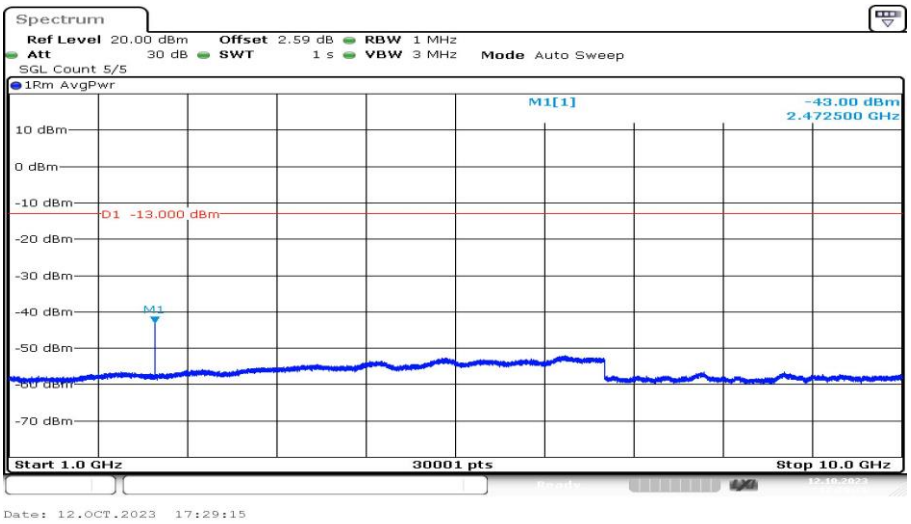
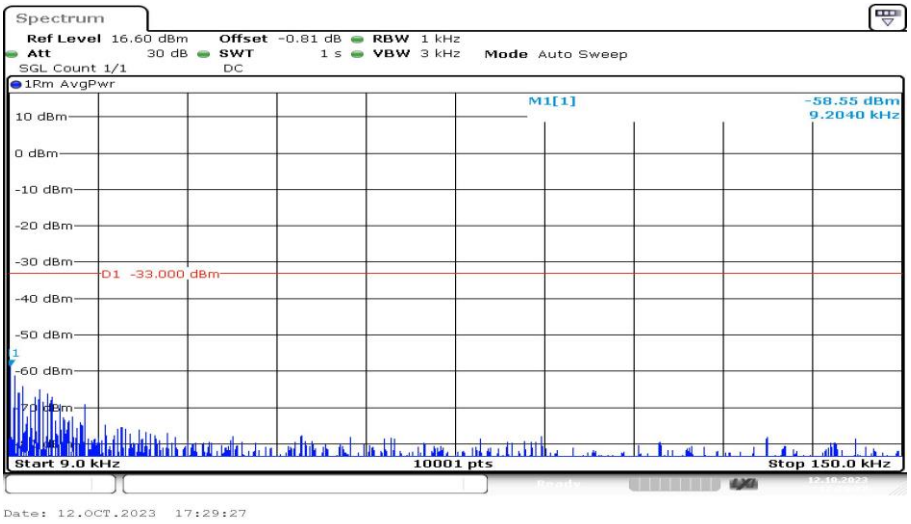


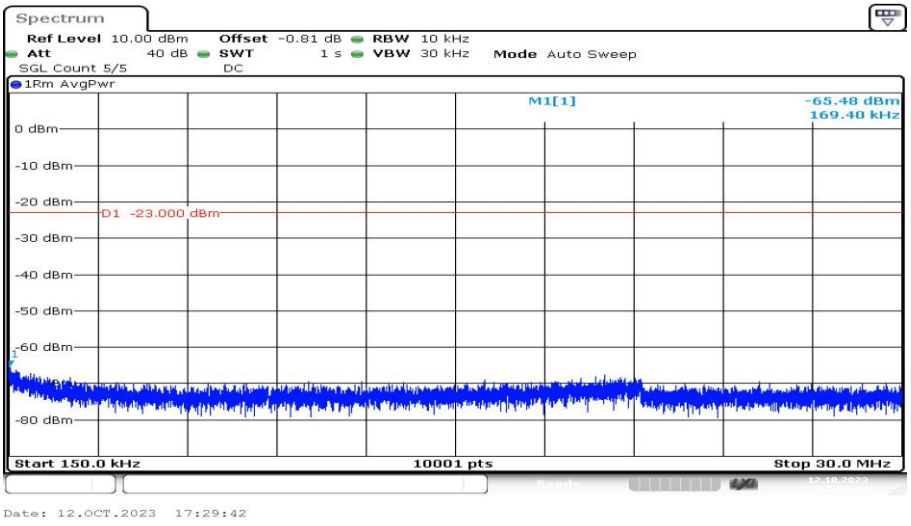
GSM850-128-5-30~1000MHz-PASS



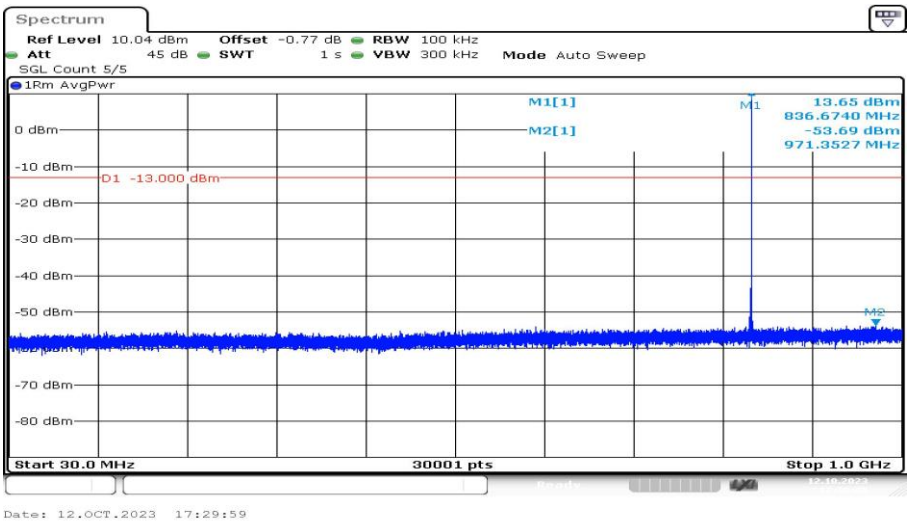
GSM850-128-5-1000~10000MHz-PASS



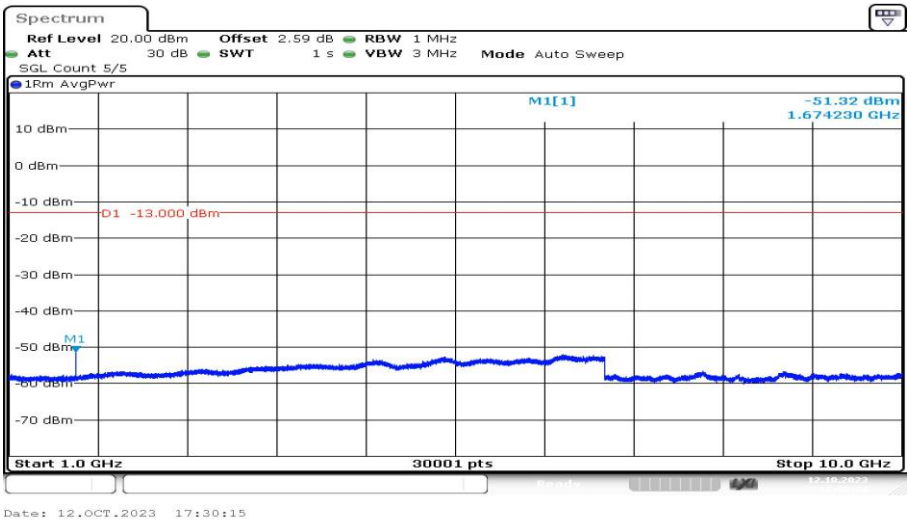
GSM850-190-5-0.009~0.15MHz-PASS



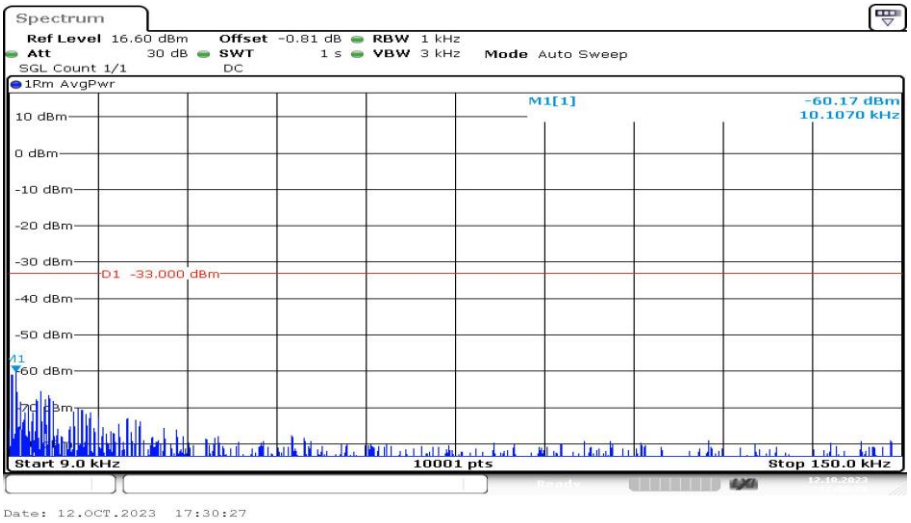
GSM850-190-5-0.15~30MHz-PASS



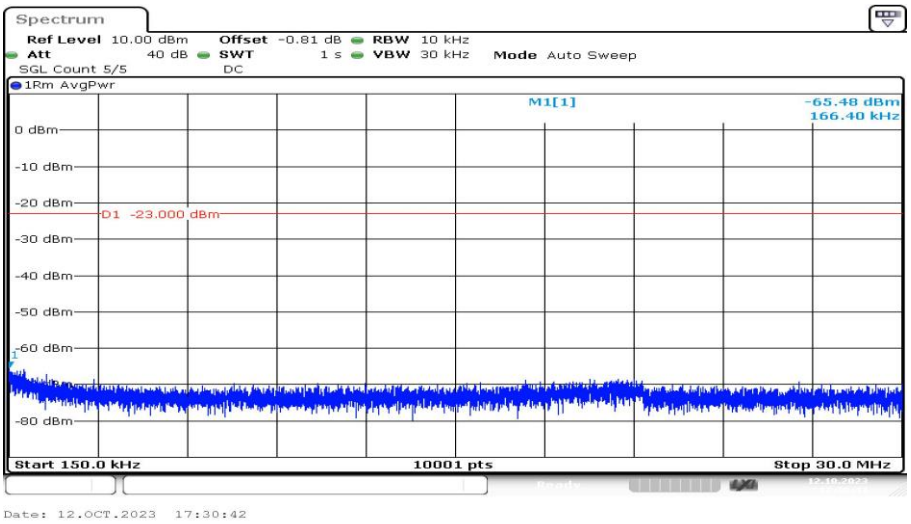
GSM850-190-5-30~1000MHz-PASS



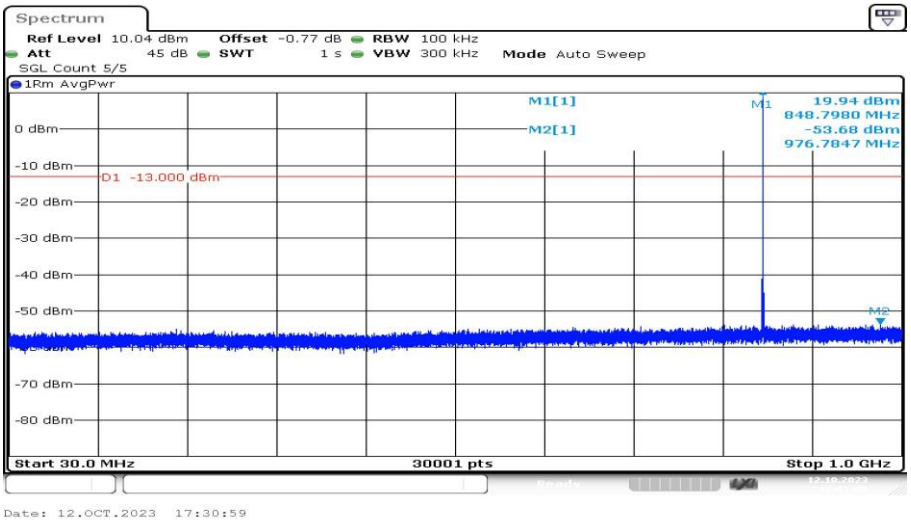
GSM850-190-5-1000~10000MHz-PASS



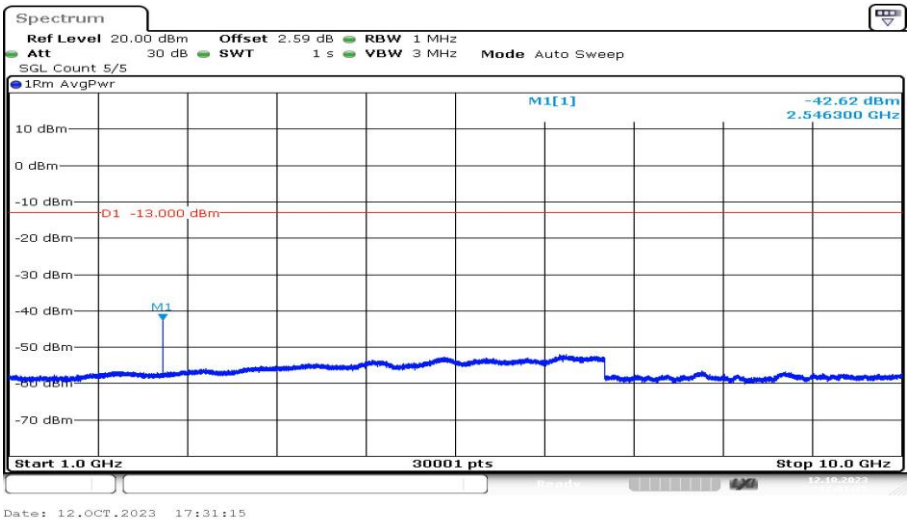
GSM850-251-5-0.009~0.15MHz-PASS



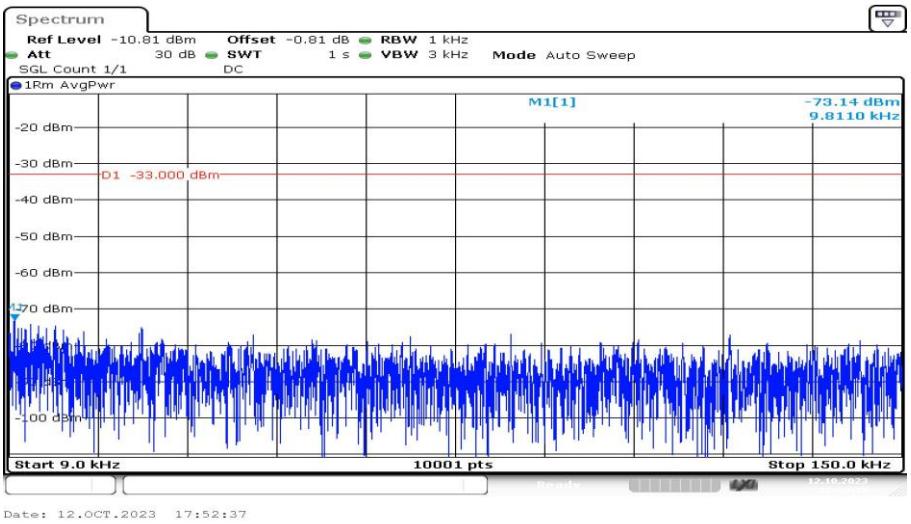
GSM850-251-5-0.15~30MHz-PASS



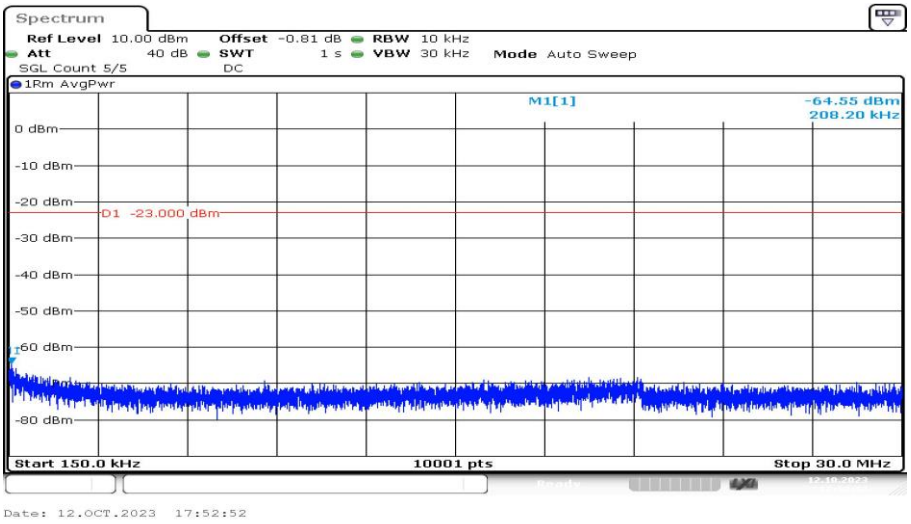
GSM850-251-5-30~1000MHz-PASS



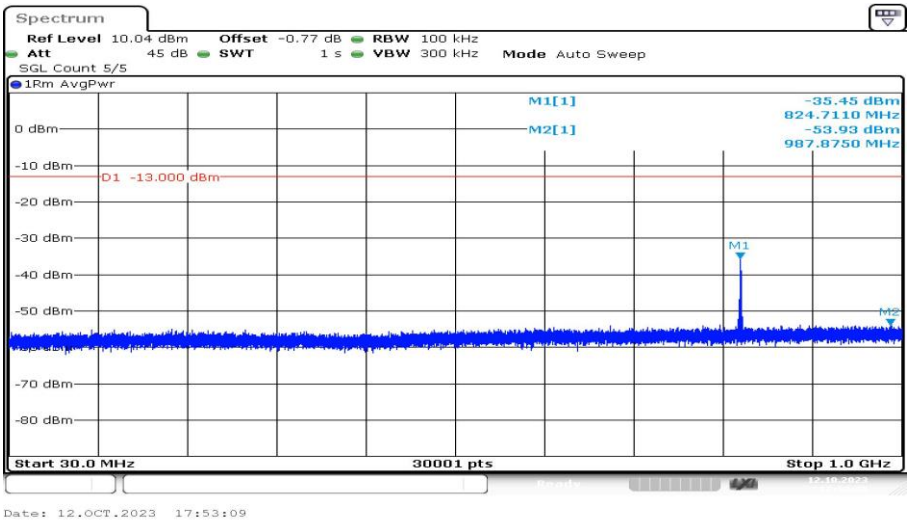
GSM850-251-5-1000~10000MHz-PASS



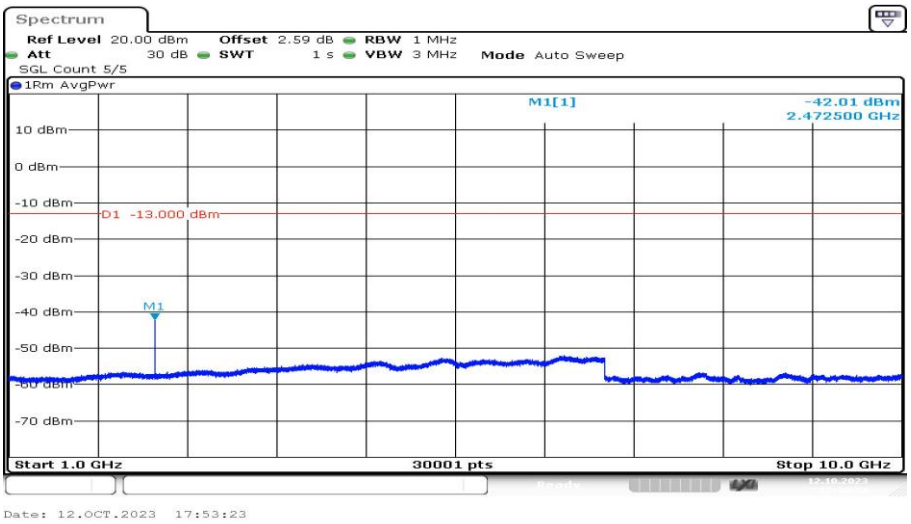
GPRS850-128-5-0.009~0.15MHz-PASS



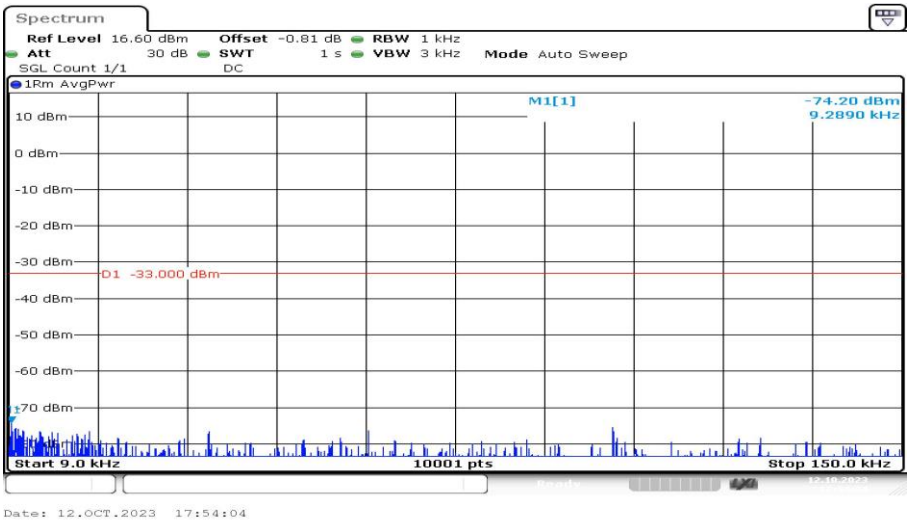
GPRS850-128-5-0.15~30MHz-PASS



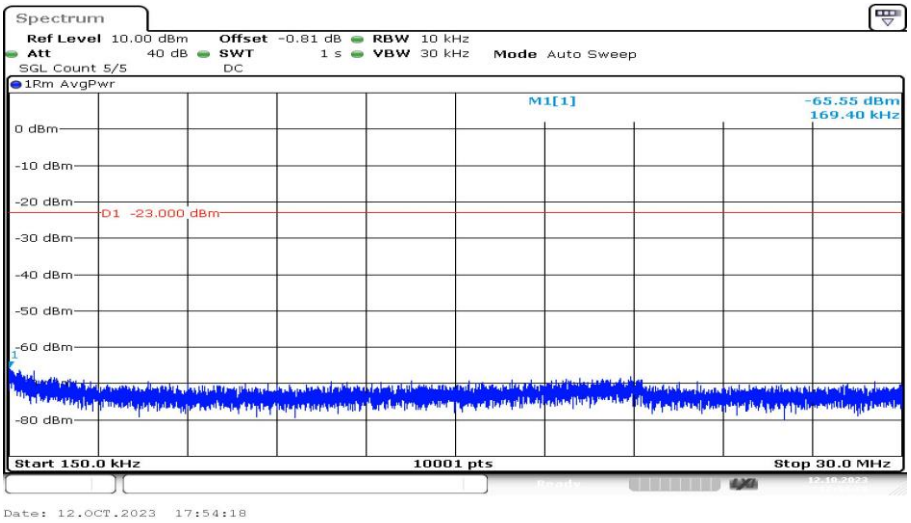
GPRS850-128-5-30~1000MHz-PASS



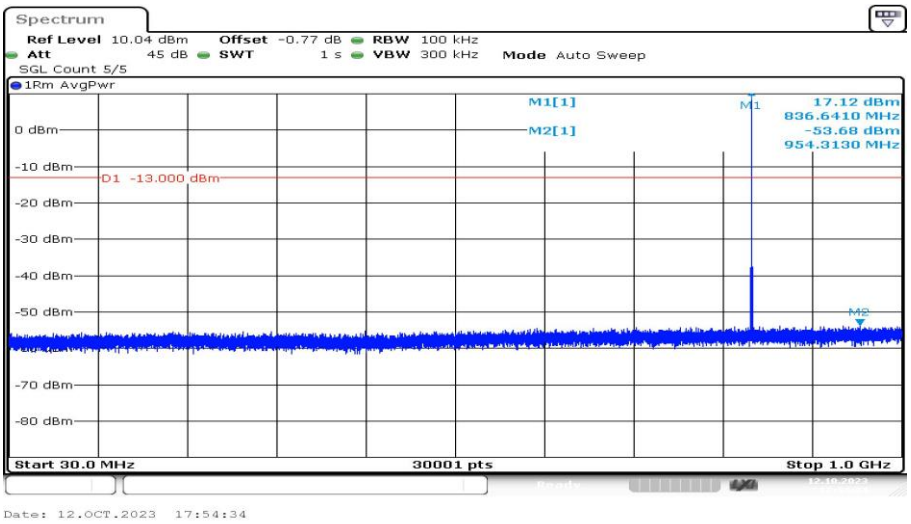
GPRS850-128-5-1000~10000MHz-PASS



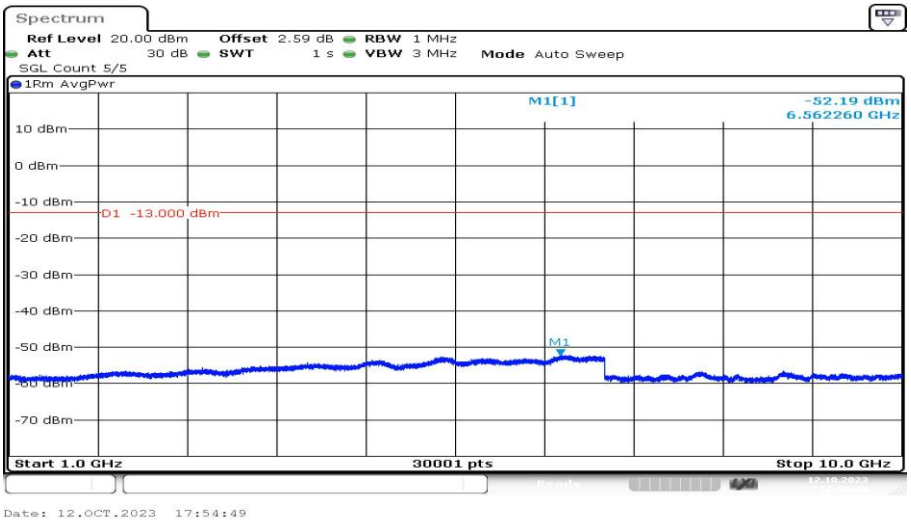
GPRS850-190-5-0.009~0.15MHz-PASS



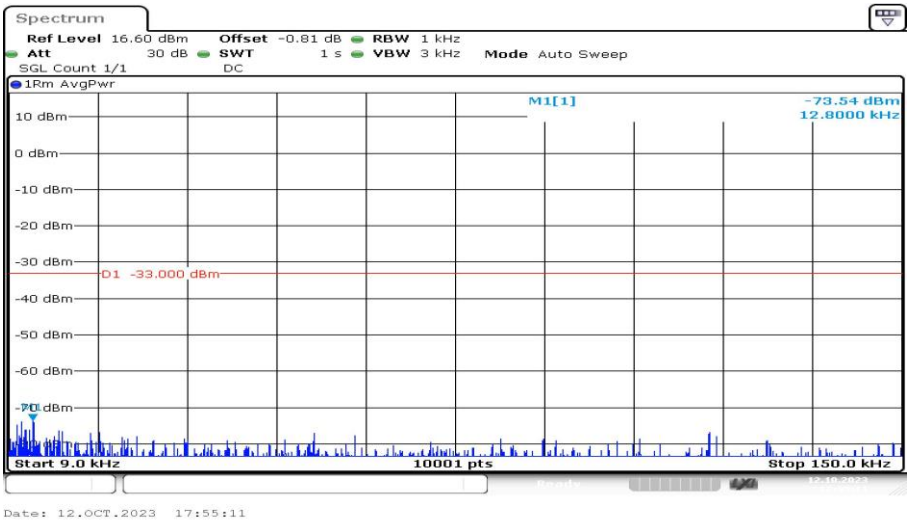
GPRS850-190-5-0.15~30MHz-PASS



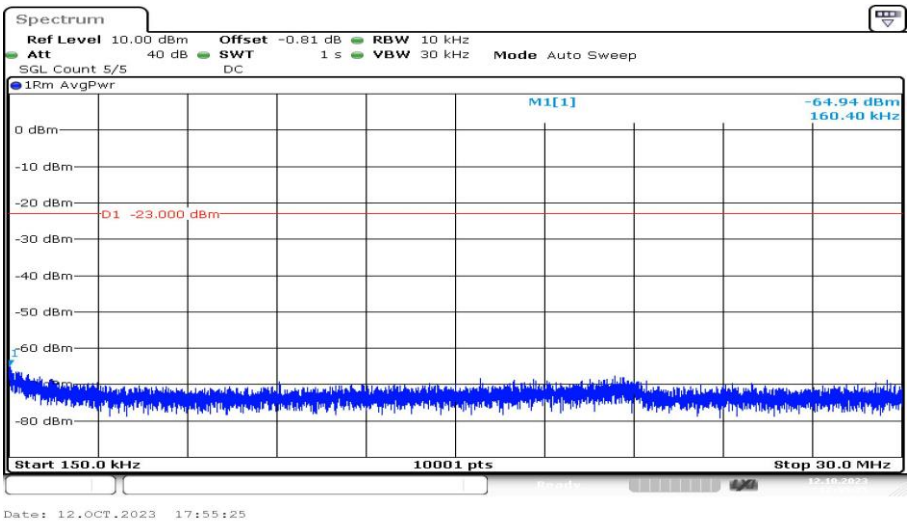
GPRS850-190-5-30~1000MHz-PASS



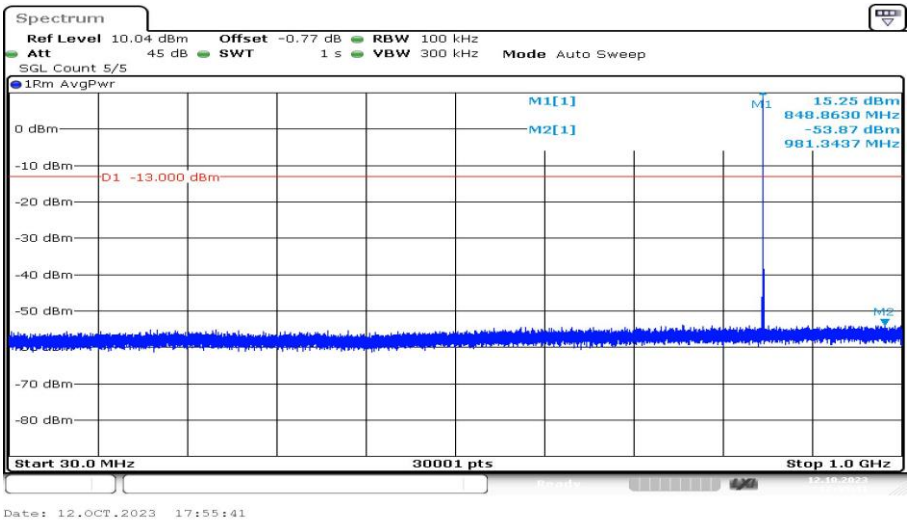
GPRS850-190-5-1000~10000MHz-PASS



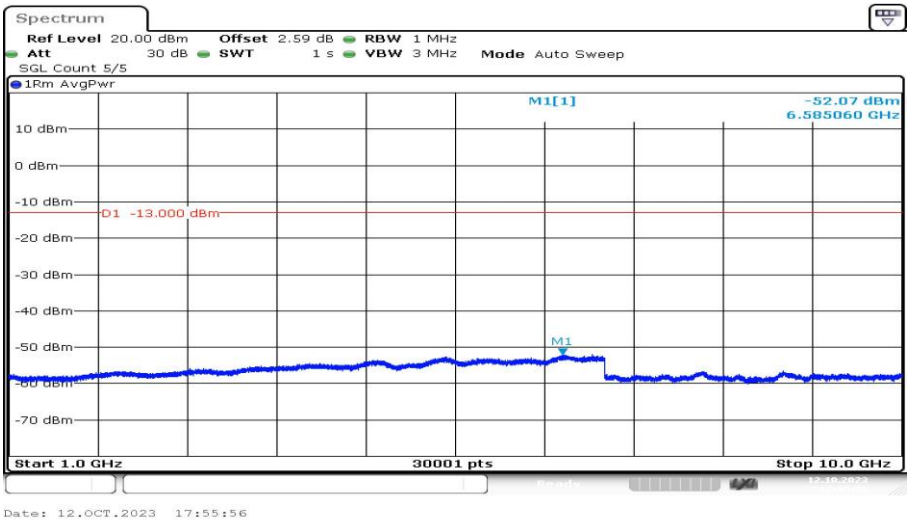
GPRS850-251-5-0.009~0.15MHz-PASS



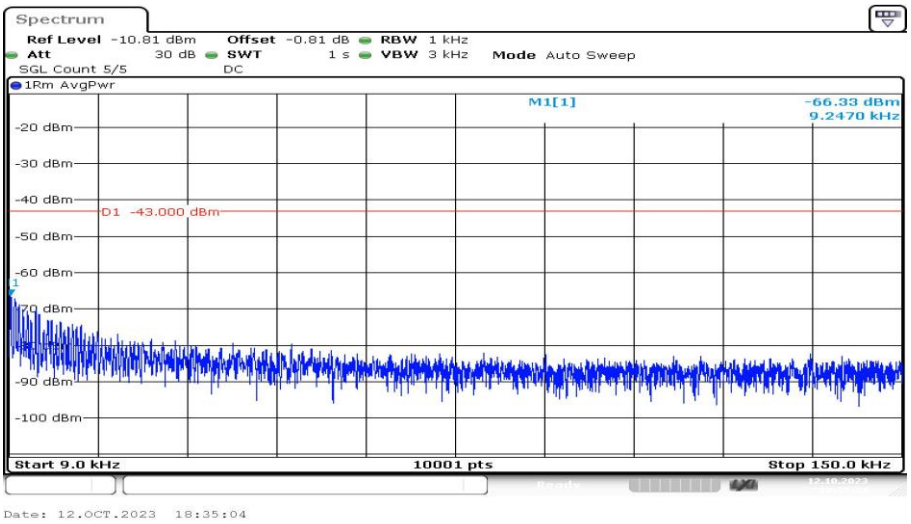
GPRS850-251-5-0.15~30MHz-PASS



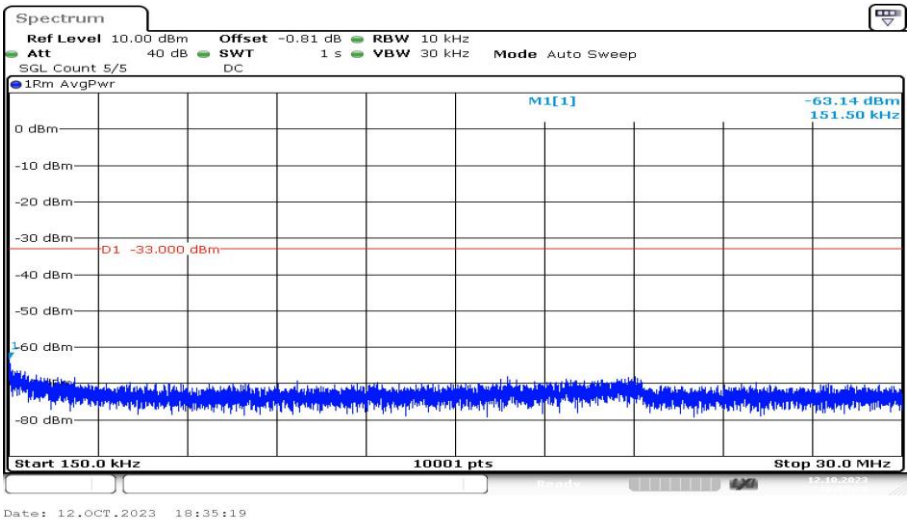
GPRS850-251-5-30~1000MHz-PASS



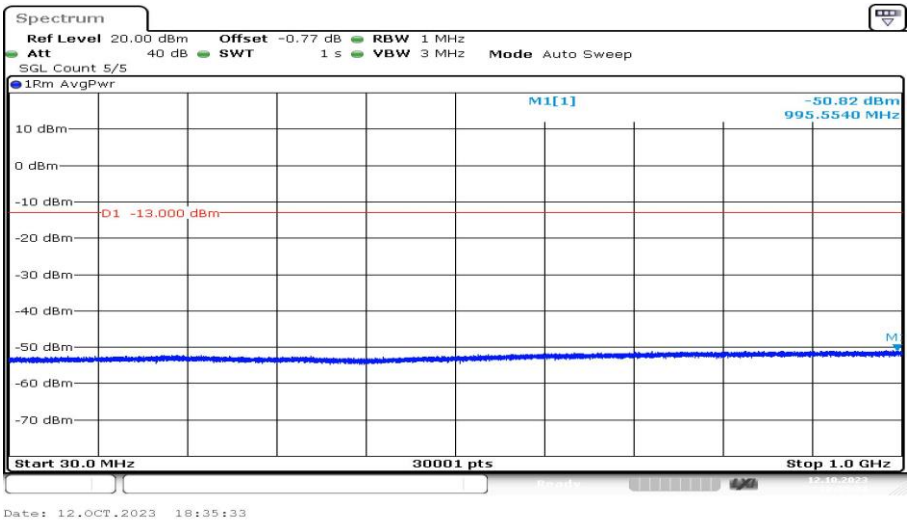
GPRS850-251-5-1000~10000MHz-PASS



GSM1900-512-0-0.009~0.15MHz-PASS



GSM1900-512-0-0.15~30MHz-PASS



GSM1900-512-0-30~1000MHz-PASS