

## **Appendix for GPRS850&1900**

Product Name: GNSS Vehicle Terminal

Model No: JM-C21

## Appendix A: Effective (Isotropic) Radiated Power Output Data

### Test Result

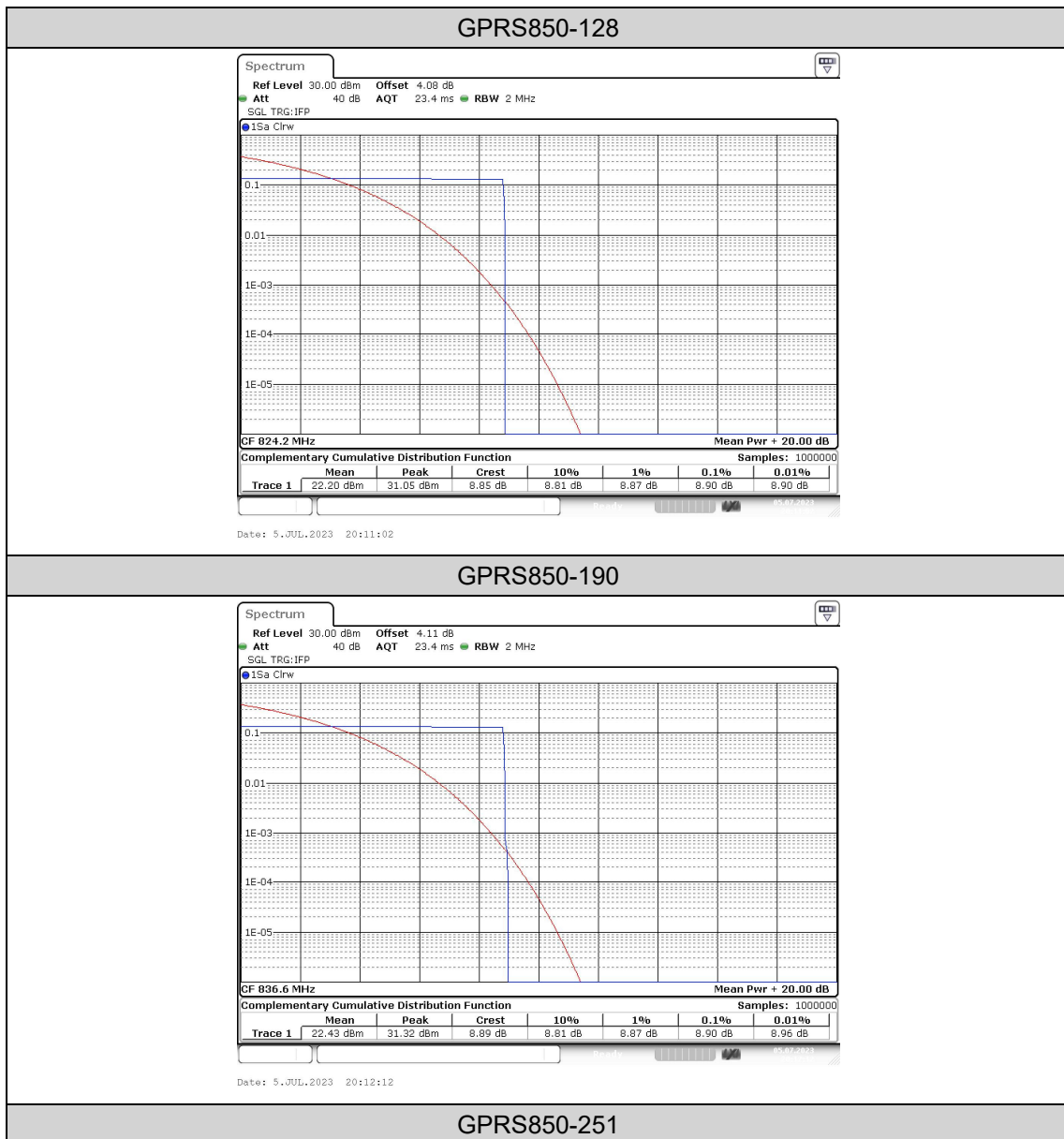
Band	Channel	Slot	Power(dBm)	Limit(dBm)	Verdict
GPRS850	128	1	31.58	38.45	PASS
GPRS850	128	2	30.94	38.45	PASS
GPRS850	128	3	29.51	38.45	PASS
GPRS850	128	4	28.59	38.45	PASS
GPRS850	190	1	32.02	38.45	PASS
GPRS850	190	2	31.40	38.45	PASS
GPRS850	190	3	29.99	38.45	PASS
GPRS850	190	4	29.08	38.45	PASS
GPRS850	251	1	32.22	38.45	PASS
GPRS850	251	2	31.60	38.45	PASS
GPRS850	251	3	30.21	38.45	PASS
GPRS850	251	4	29.20	38.45	PASS
GPRS1900	512	1	28.56	33.00	PASS
GPRS1900	512	2	27.85	33.00	PASS
GPRS1900	512	3	26.31	33.00	PASS
GPRS1900	512	4	25.43	33.00	PASS
GPRS1900	661	1	28.87	33.00	PASS
GPRS1900	661	2	28.25	33.00	PASS
GPRS1900	661	3	26.76	33.00	PASS
GPRS1900	661	4	25.88	33.00	PASS
GPRS1900	810	1	28.66	33.00	PASS
GPRS1900	810	2	28.02	33.00	PASS
GPRS1900	810	3	26.51	33.00	PASS
GPRS1900	810	4	25.57	33.00	PASS

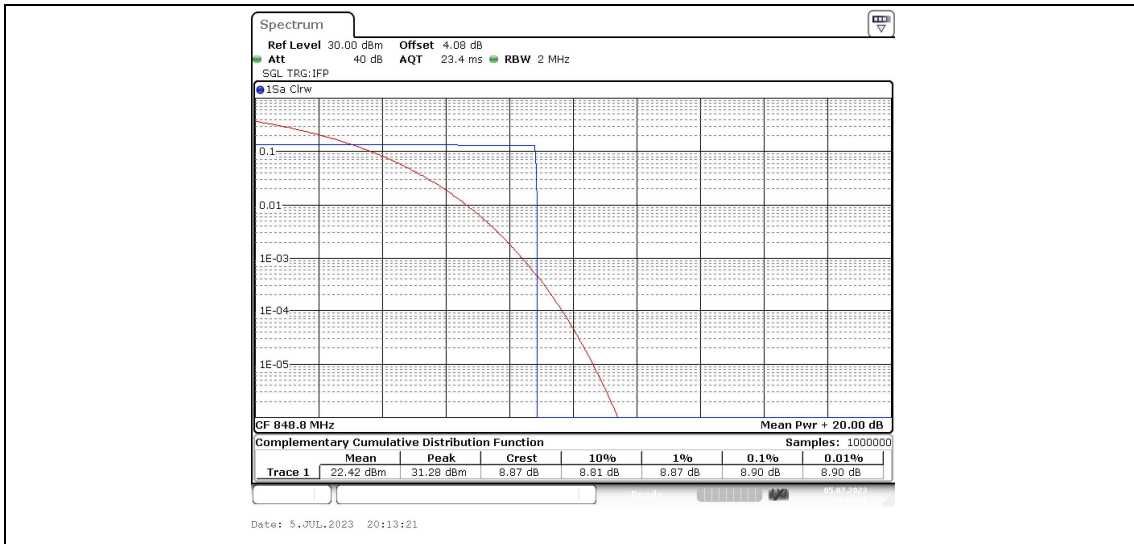
## Appendix B: Peak-to-Average Ratio(CCDF)

### Test Result

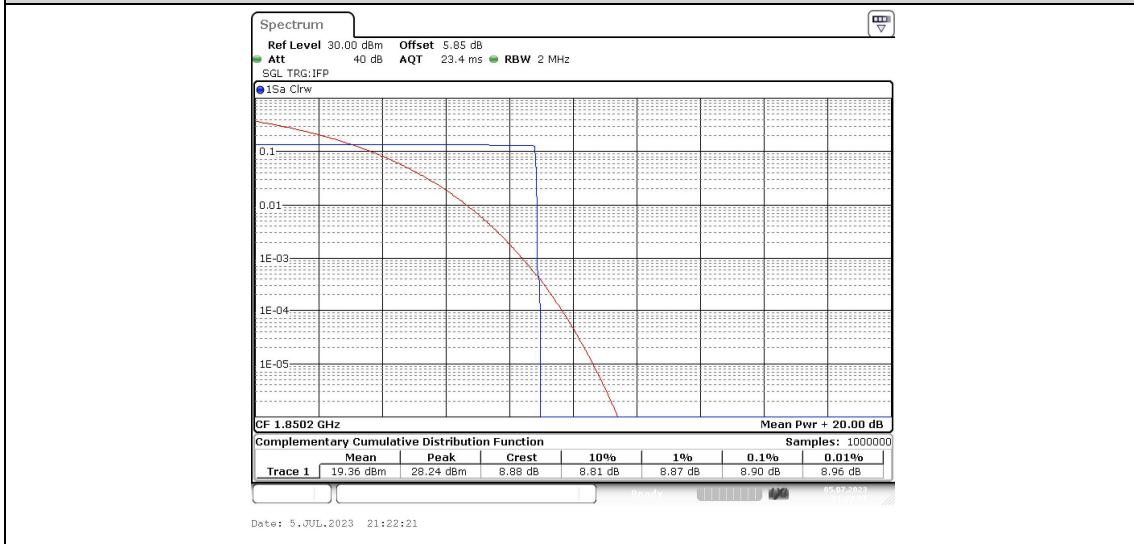
Band	Channel	Result(dB)	Limit(dB)	Verdict
GPRS850	128	8.9	13	PASS
GPRS850	190	8.9	13	PASS
GPRS850	251	8.9	13	PASS
GPRS1900	512	8.9	13	PASS
GPRS1900	661	9.74	13	PASS
GPRS1900	810	8.96	13	PASS

### Test Graphs

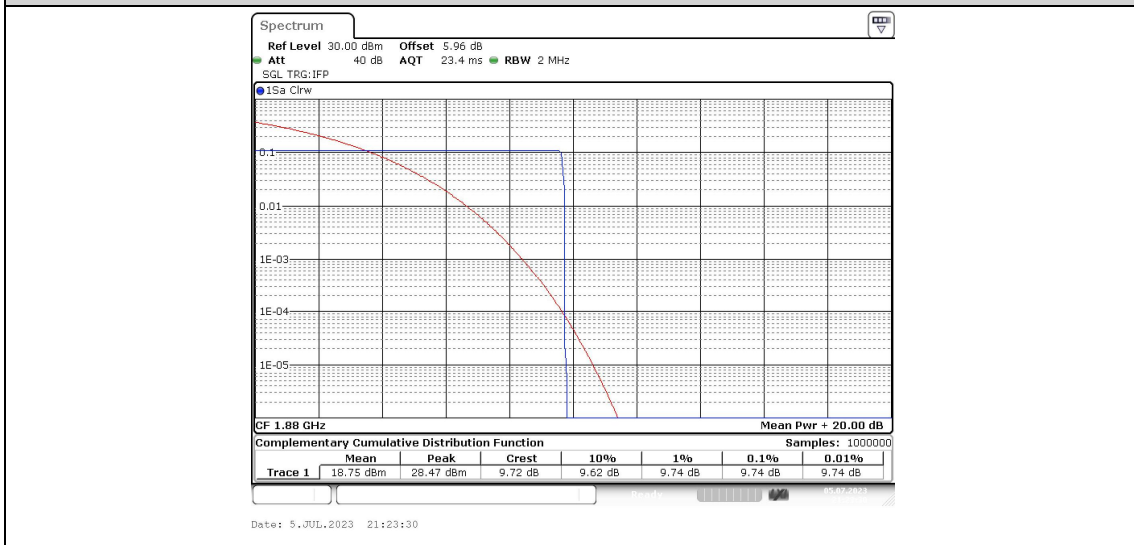




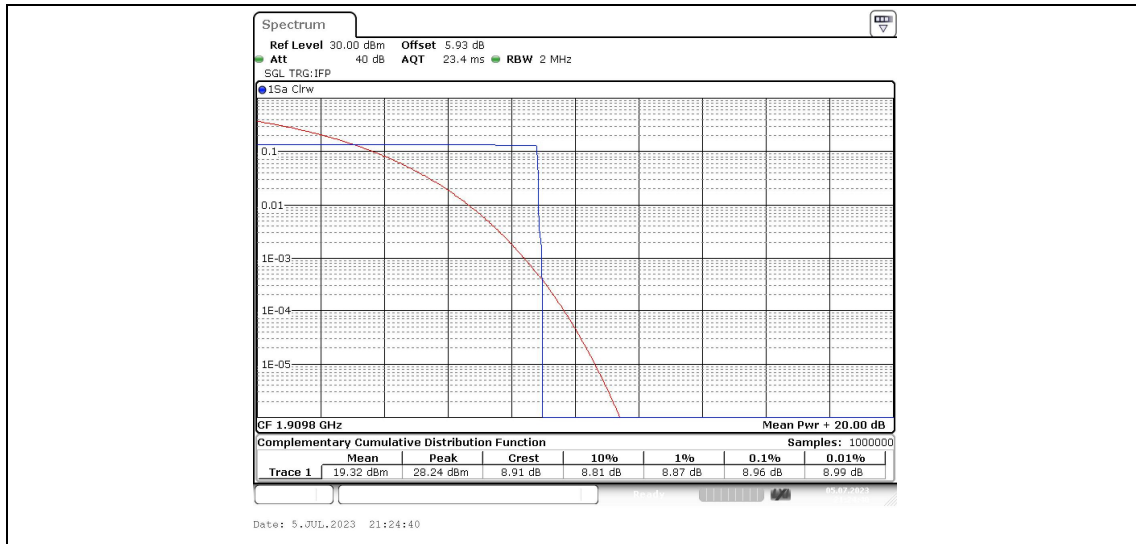
GPRS1900-512



GPRS1900-661



GPRS1900-810

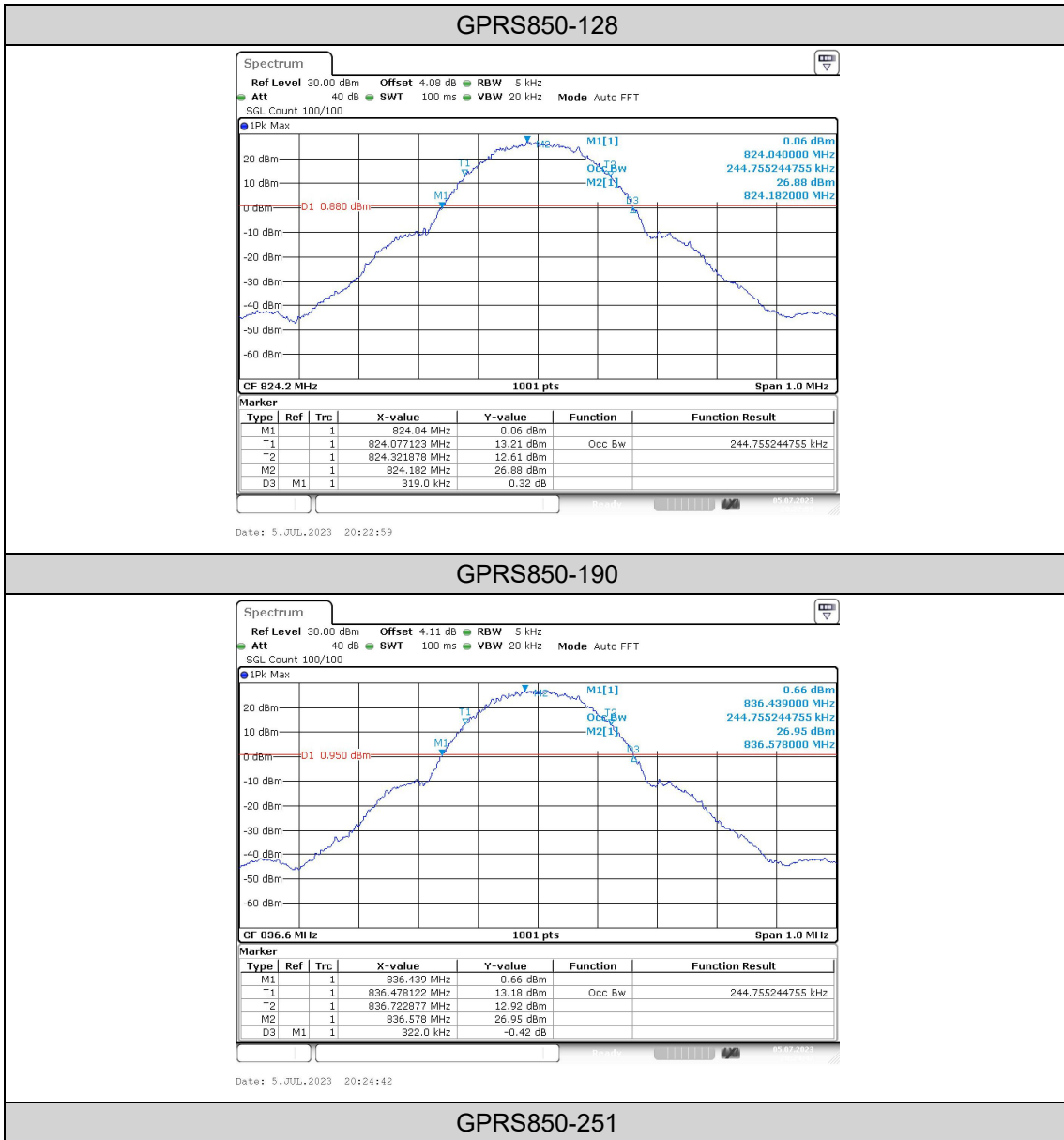


## Appendix C: 26dB Bandwidth and Occupied Bandwidth

### Test Result

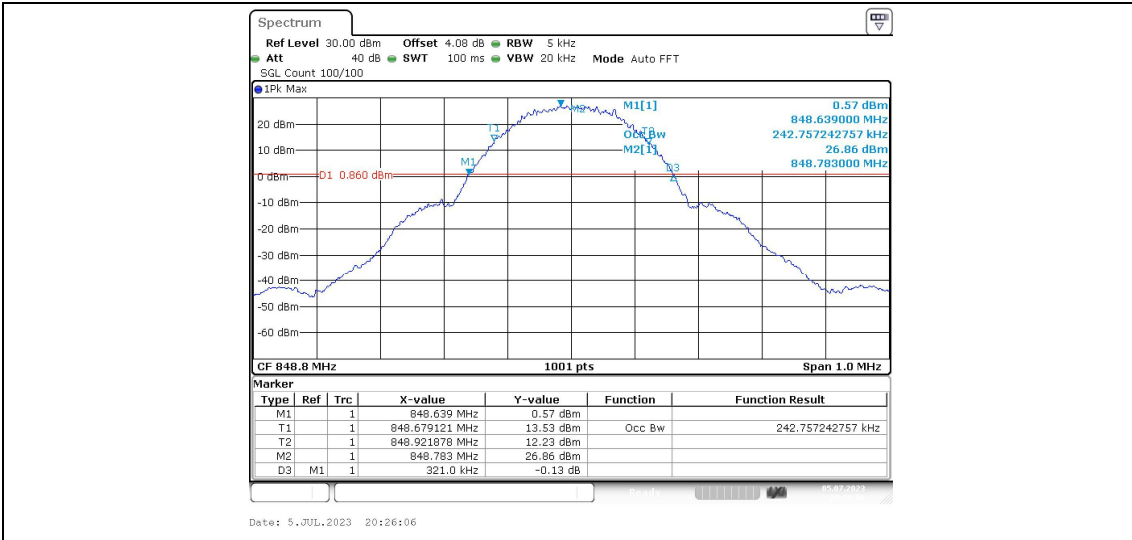
Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GPRS850	128	0.245	0.32	---	PASS
GPRS850	190	0.245	0.32	---	PASS
GPRS850	251	0.243	0.32	---	PASS
GPRS1900	512	0.246	0.32	---	PASS
GPRS1900	661	0.244	0.32	---	PASS
GPRS1900	810	0.245	0.32	---	PASS

### Test Graphs

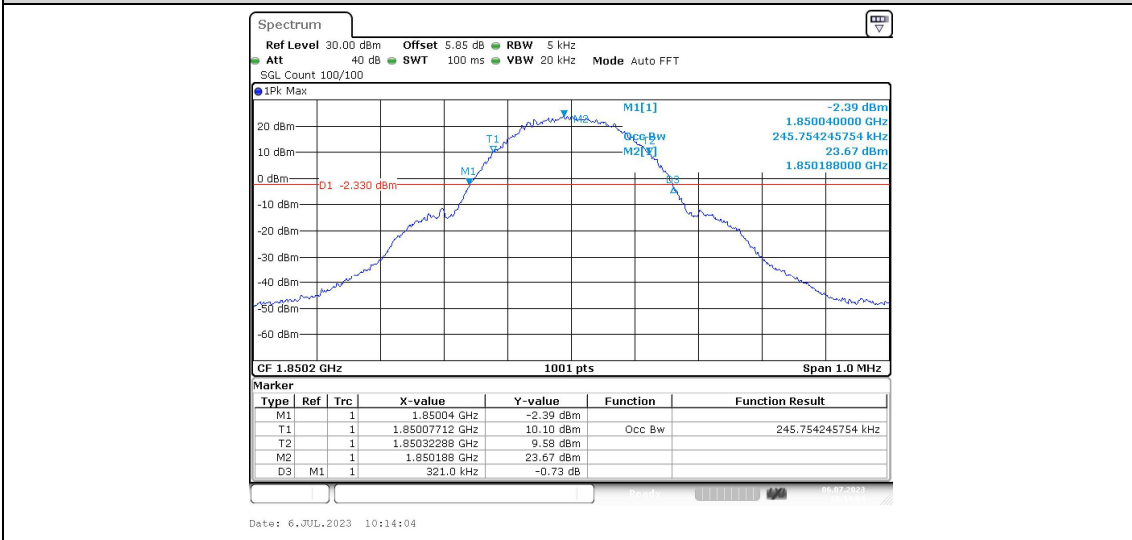


**GPRS850-251**

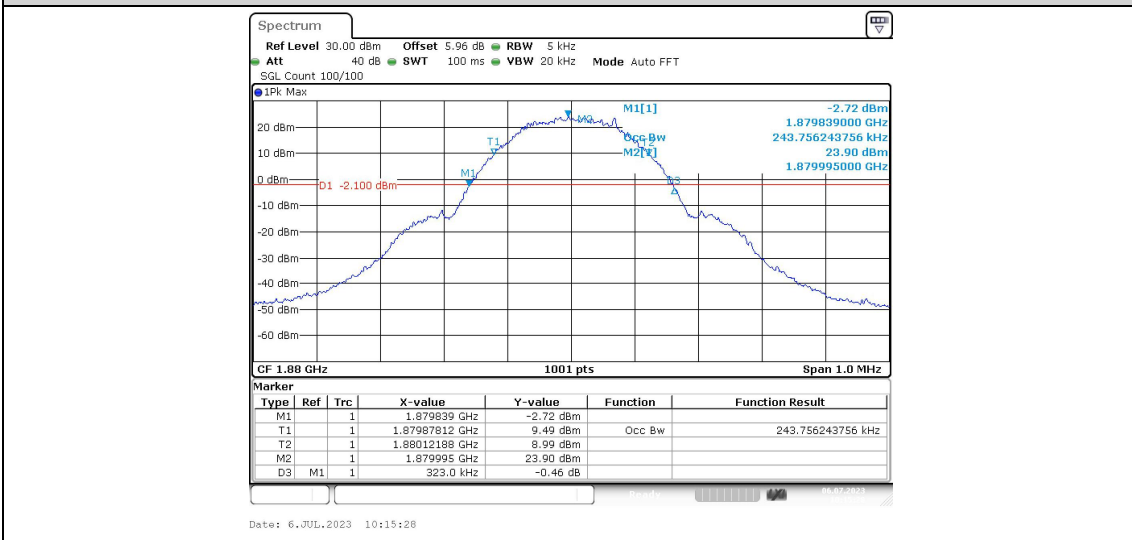




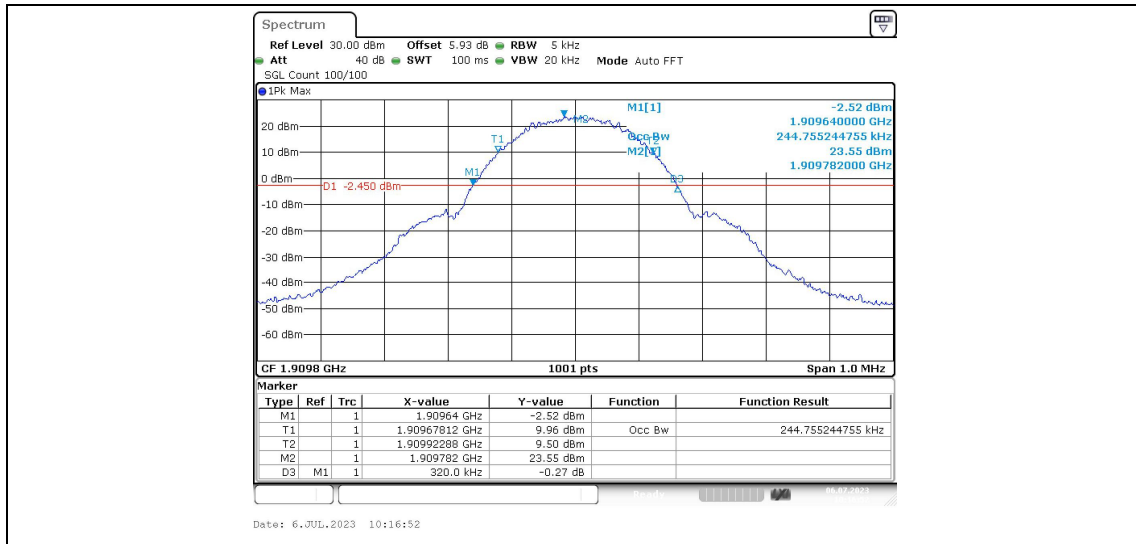
GPRS1900-512



GPRS1900-661



GPRS1900-810

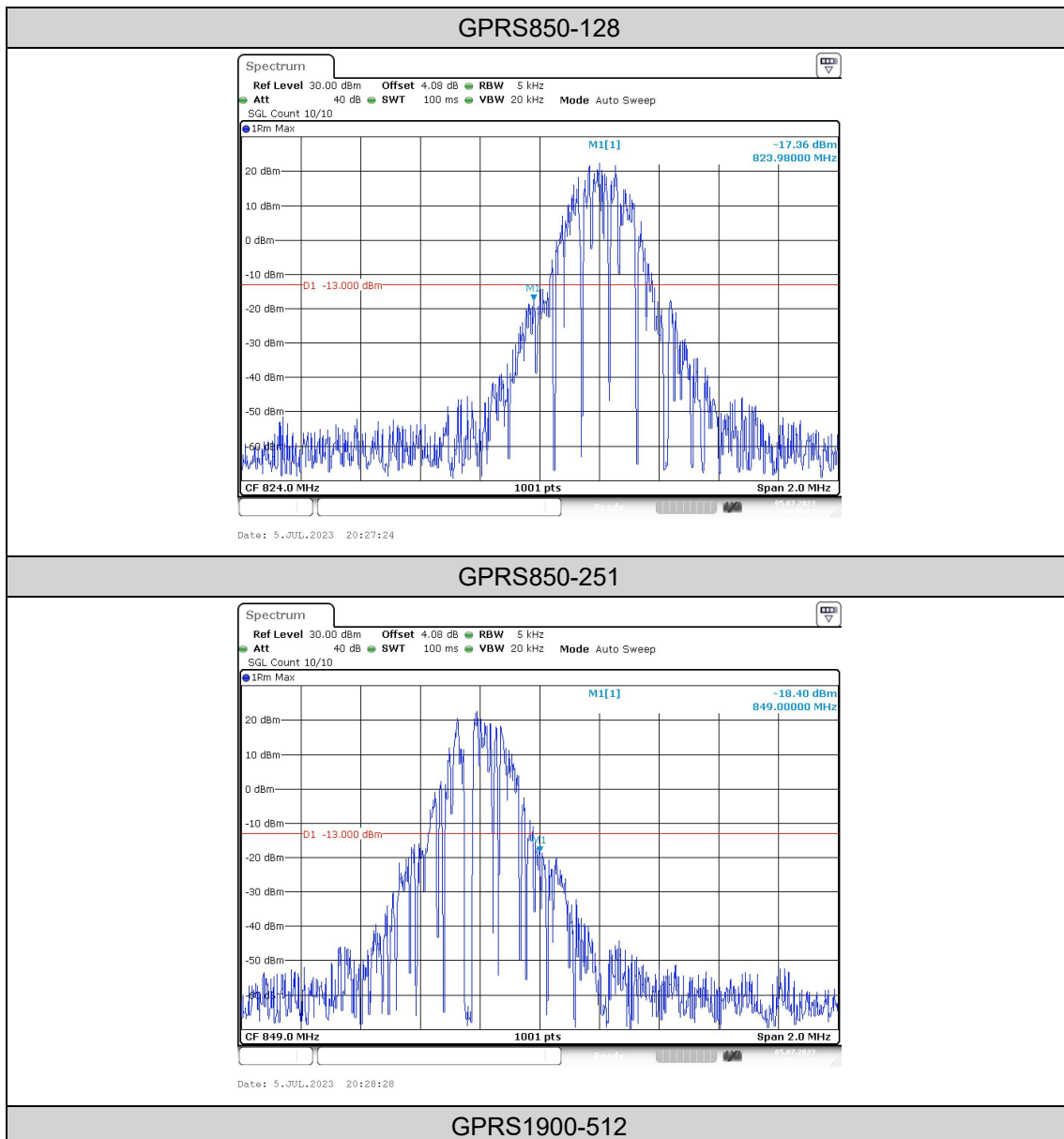


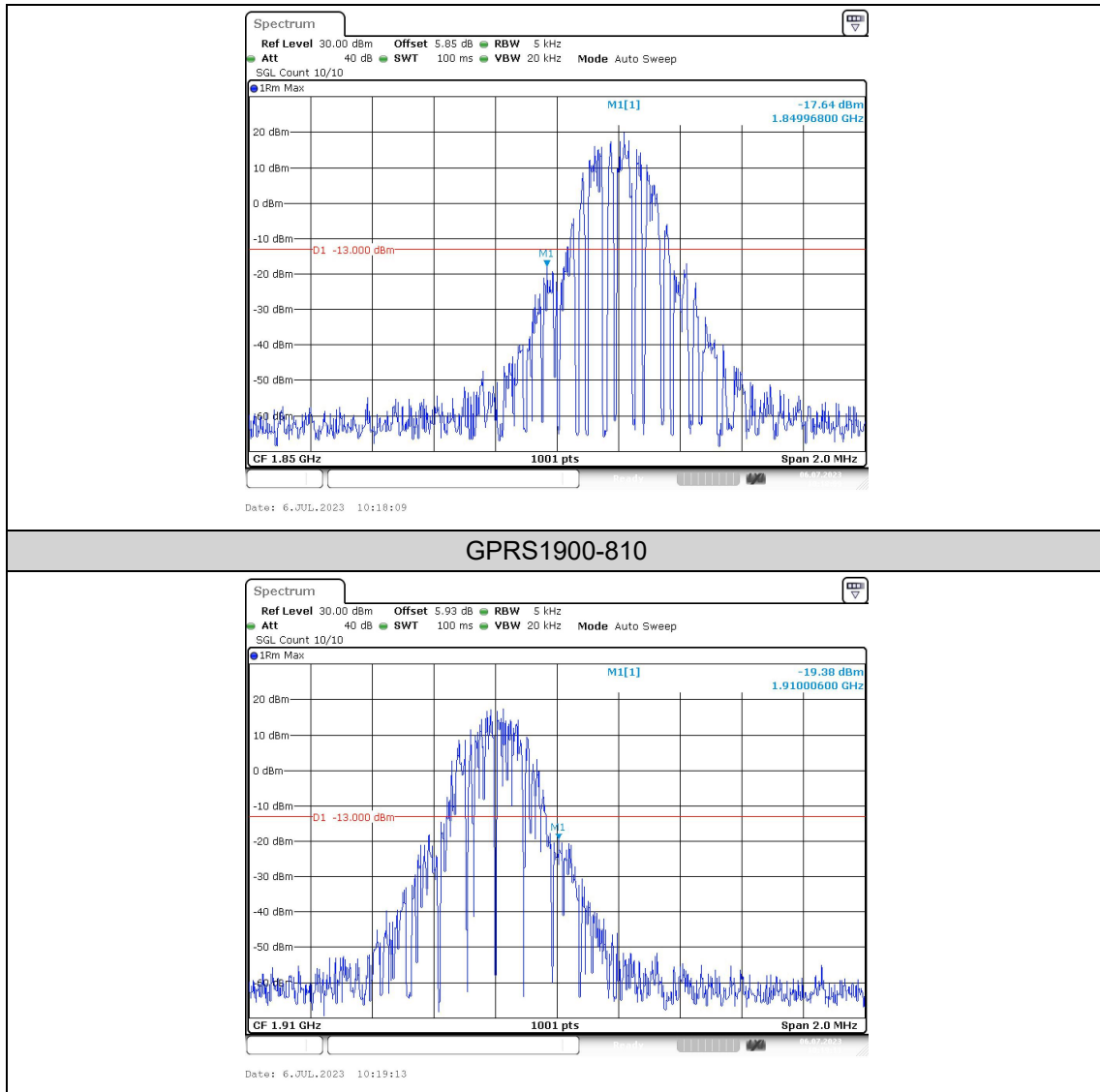
## Appendix D: Band Edge

### Test Result

Band	Channel	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GPRS850	128	823.98	-17.36	-13	PASS
GPRS850	251	849.00	-18.40	-13	PASS
GPRS1900	512	1849.97	-17.64	-13	PASS
GPRS1900	810	1910.01	-19.38	-13	PASS

## Test Graphs



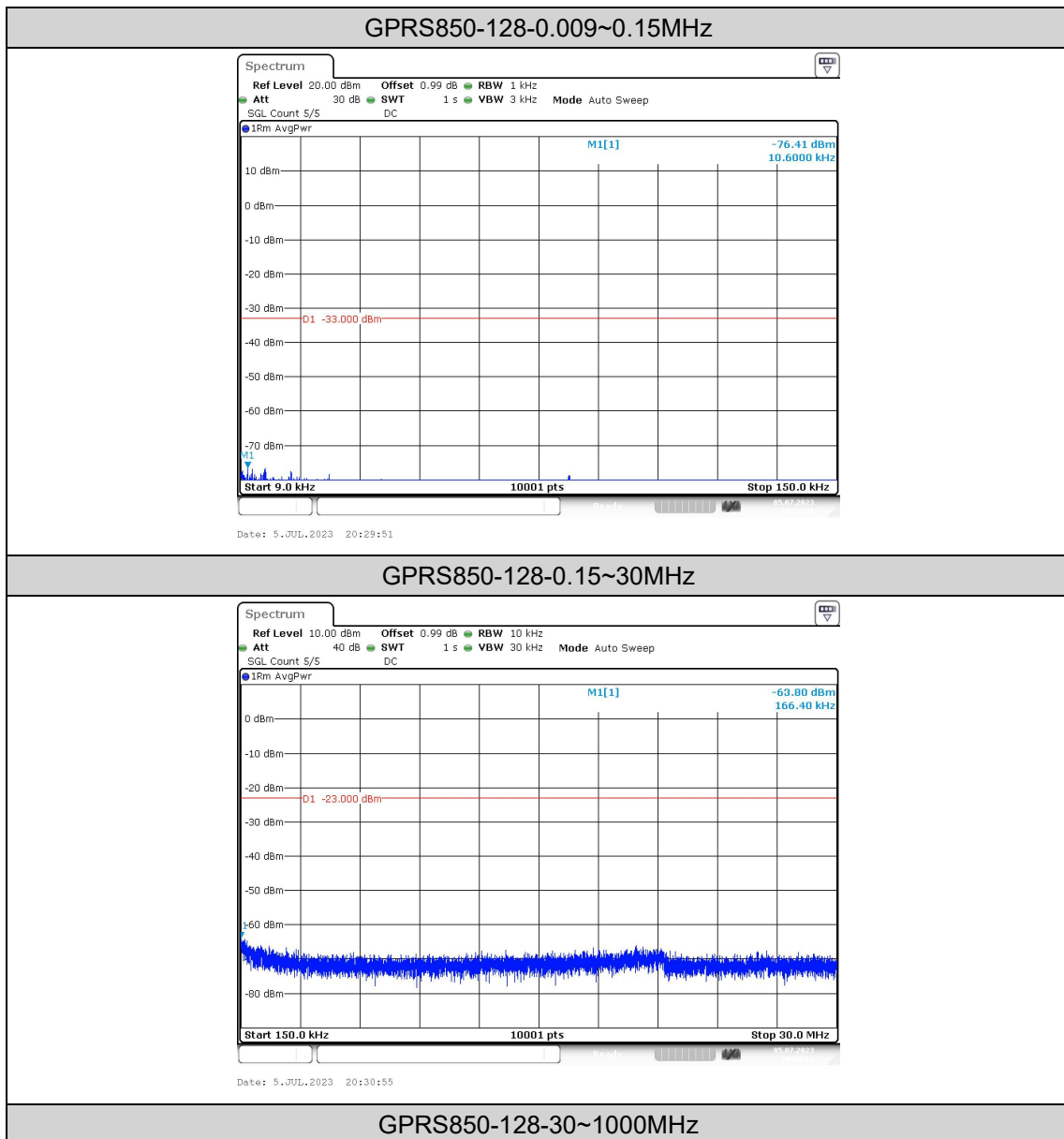


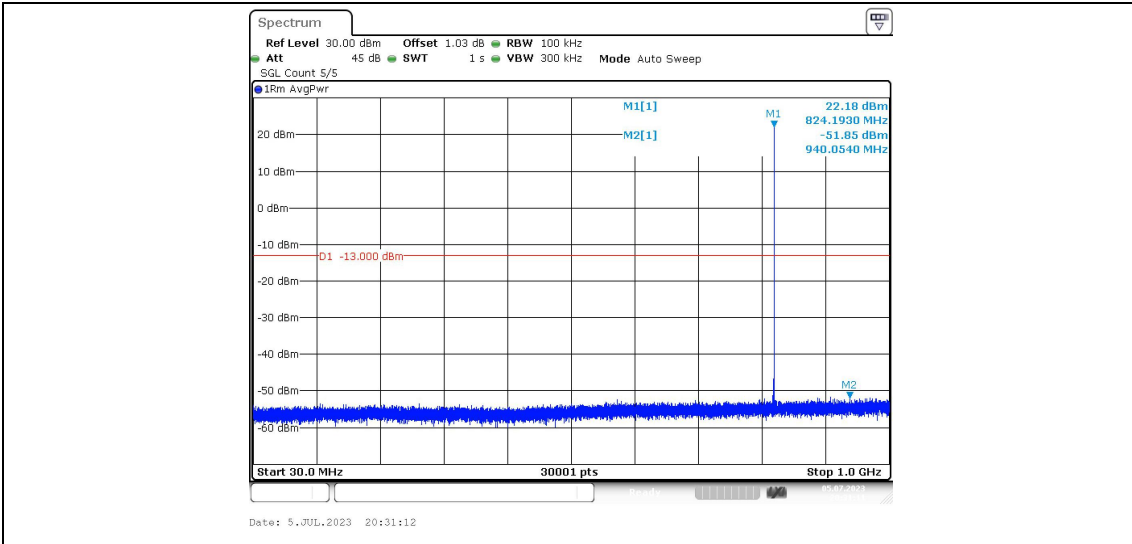
## Appendix E: Conducted Spurious Emission

### Test Result

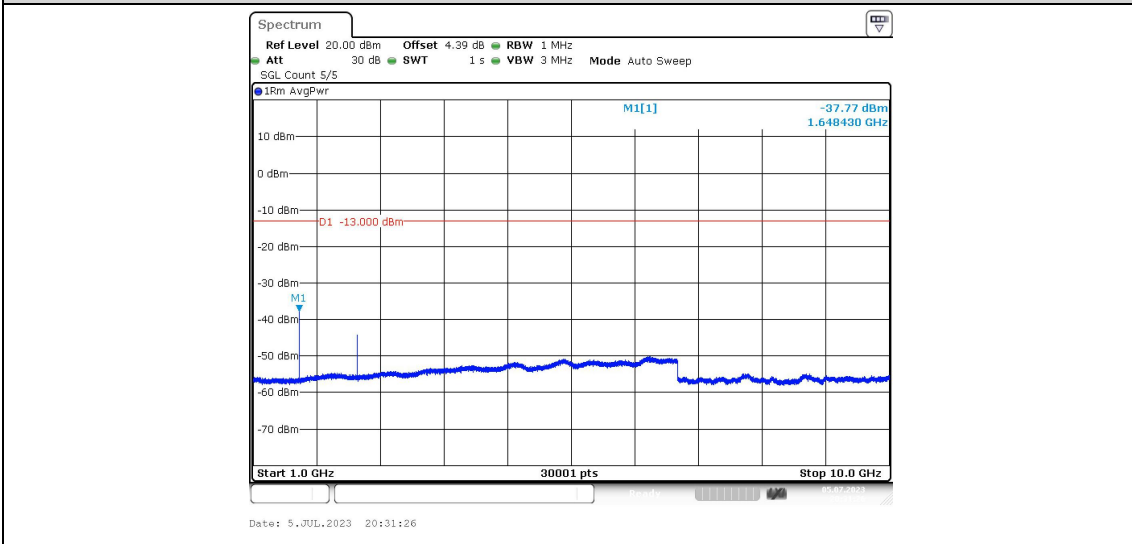
Band	Channel	Frequency Range(MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
GPRS850	128	0.009~0.15MHz	0.01	-76.41	-33	PASS
GPRS850	128	0.15~30MHz	0.17	-63.8	-23	PASS
GPRS850	128	30~1000MHz	940.05	-51.85	-13	PASS
GPRS850	128	1000~10000MHz	1648.43	-37.77	-13	PASS
GPRS850	190	0.009~0.15MHz	0.01	-76.8	-33	PASS
GPRS850	190	0.15~30MHz	0.21	-63.81	-23	PASS
GPRS850	190	30~1000MHz	985.13	-52.2	-13	PASS
GPRS850	190	1000~10000MHz	1673.93	-41.55	-13	PASS
GPRS850	251	0.009~0.15MHz	0.01	-72.49	-33	PASS
GPRS850	251	0.15~30MHz	0.24	-63.71	-23	PASS
GPRS850	251	30~1000MHz	973.23	-51.72	-13	PASS
GPRS850	251	1000~10000MHz	6606.36	-50.3	-13	PASS
GPRS1900	512	0.009~0.15MHz	0.01	-70.08	-43	PASS
GPRS1900	512	0.15~30MHz	0.16	-63.17	-33	PASS
GPRS1900	512	30~1000MHz	951.97	-49.03	-13	PASS
GPRS1900	512	1000~3000MHz	2946.07	-37.94	-13	PASS
GPRS1900	512	3000~18000MHz	5550.66	-44.57	-13	PASS
GPRS1900	661	0.009~0.15MHz	0.01	-70.88	-43	PASS
GPRS1900	661	0.15~30MHz	0.49	-63.46	-33	PASS
GPRS1900	661	30~1000MHz	893.84	-49.16	-13	PASS
GPRS1900	661	1000~3000MHz	2914.6	-38.1	-13	PASS
GPRS1900	661	3000~18000MHz	3759.72	-35.18	-13	PASS
GPRS1900	810	0.009~0.15MHz	0.01	-71.68	-43	PASS
GPRS1900	810	0.15~30MHz	0.18	-64.13	-33	PASS
GPRS1900	810	30~1000MHz	978.61	-49.03	-13	PASS
GPRS1900	810	1000~3000MHz	2974.4	-38.21	-13	PASS
GPRS1900	810	3000~18000MHz	3819.22	-35.18	-13	PASS

### Test Graphs

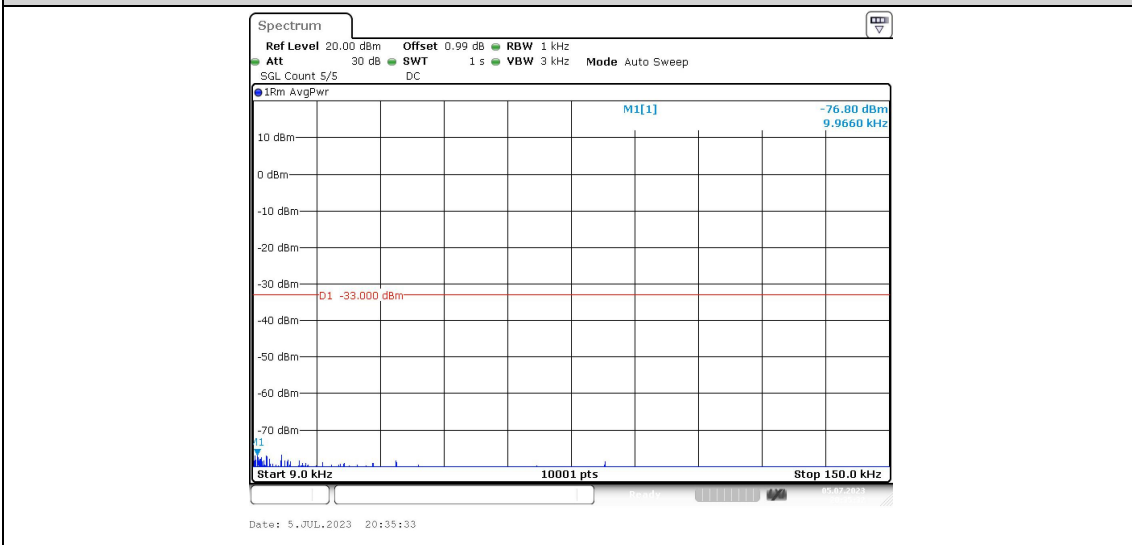




GPRS850-128-1000~10000MHz



GPRS850-190-0.009~0.15MHz



GPRS850-190-0.15~30MHz