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# Appendix B.1

## GSM 850 & 1900



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## Effective (Isotropic) Radiated Power Output Data

### Test Result

Band	Channel	Power(dBm)	ERP(dBm)	Limit(dBm)	Verdict
GSM850	128	32.18	28.73	38.45	PASS
GSM850	190	32.15	28.7	38.45	PASS
GSM850	251	31.94	28.49	38.45	PASS
Band	Channel	Power(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
GSM1900	512	26.61	28.41	33.00	PASS
GSM1900	661	26.74	28.54	33.00	PASS
GSM1900	810	26.71	28.51	33.00	PASS



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Band	Channel	Slot	Power(dBm)	ERP(dBm)	Limit(dBm)	Verdict
EGPRS850	128	1	25.74	22.29	38.45	PASS
EGPRS850	128	2	24.15	20.7	38.45	PASS
EGPRS850	128	3	23.11	19.66	38.45	PASS
EGPRS850	128	4	22.05	18.6	38.45	PASS
EGPRS850	189	1	25.84	22.39	38.45	PASS
EGPRS850	189	2	24.21	20.76	38.45	PASS
EGPRS850	189	3	23.15	19.7	38.45	PASS
EGPRS850	189	4	22.11	18.66	38.45	PASS
EGPRS850	251	1	25.73	22.28	38.45	PASS
EGPRS850	251	2	24.14	20.69	38.45	PASS
EGPRS850	251	3	23.21	19.76	38.45	PASS
EGPRS850	251	4	22.02	18.57	38.45	PASS
Band	Channel	Slot	Power(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
EGPRS1900	512	1	22.35	24.15	33.00	PASS
EGPRS1900	512	2	21.83	23.63	33.00	PASS
EGPRS1900	512	3	20.20	22	33.00	PASS
EGPRS1900	512	4	19.28	21.08	33.00	PASS
EGPRS1900	661	1	22.31	24.11	33.00	PASS
EGPRS1900	661	2	21.83	23.63	33.00	PASS
EGPRS1900	661	3	19.73	21.53	33.00	PASS
EGPRS1900	661	4	19.19	20.99	33.00	PASS
EGPRS1900	810	1	22.09	23.89	33.00	PASS
EGPRS1900	810	2	21.79	23.59	33.00	PASS
EGPRS1900	810	3	19.79	21.59	33.00	PASS
EGPRS1900	810	4	19.57	21.37	33.00	PASS



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## Peak-to-Average Ratio(CCDF)

### Test Result

Band	Channel	Result(dB)	Limit(dB)	Verdict
GSM850	128	8.2	13	PASS
GSM850	190	8.3	13	PASS
GSM850	251	8.1	13	PASS
EGPRS850	128	9.52	13	PASS
EGPRS850	190	9.52	13	PASS
EGPRS850	251	9.52	13	PASS
GSM1900	512	9.52	13	PASS
GSM1900	661	9.52	13	PASS
GSM1900	810	9.62	13	PASS
EGPRS1900	512	9.7	13	PASS
EGPRS1900	661	9.68	13	PASS
EGPRS1900	810	9.62	13	PASS



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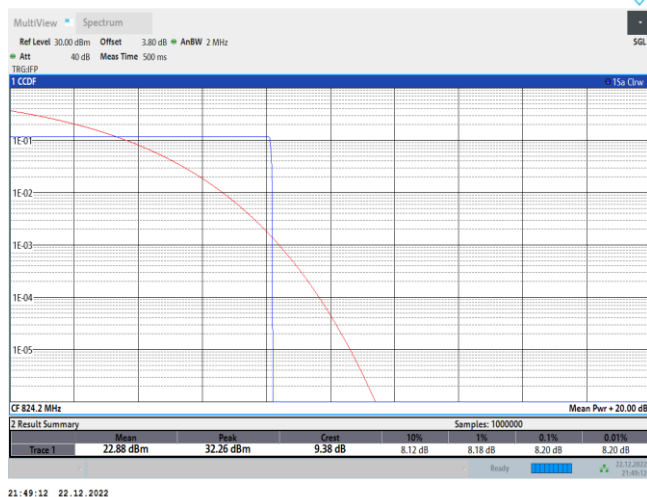
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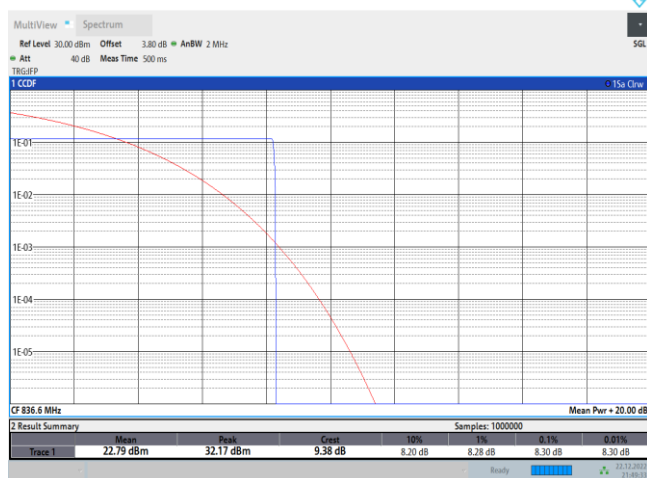
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#### GSM850-128



21:49:12 22.12.2022

#### GSM850-190



21:49:33 22.12.2022



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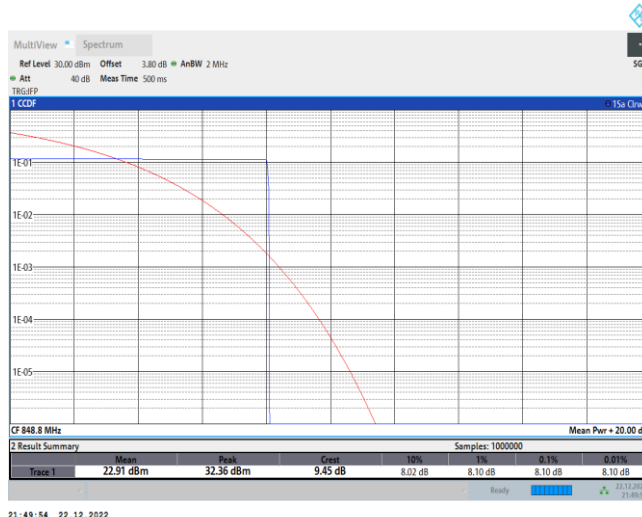


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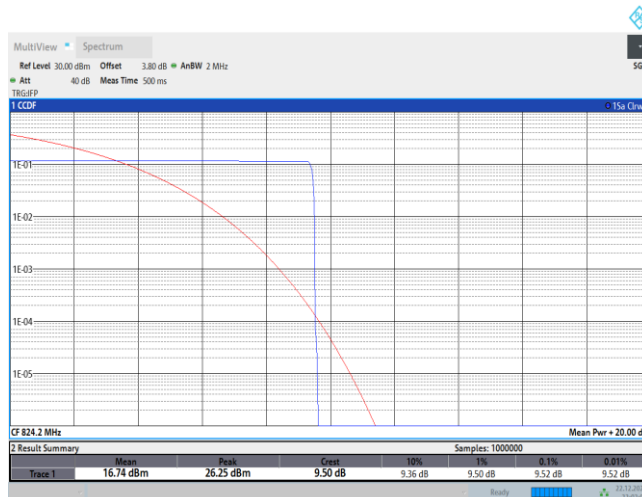
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### GSM850-251



21:49:54 22.12.2022

### EGPRS850-128



22:02:06 22.12.2022



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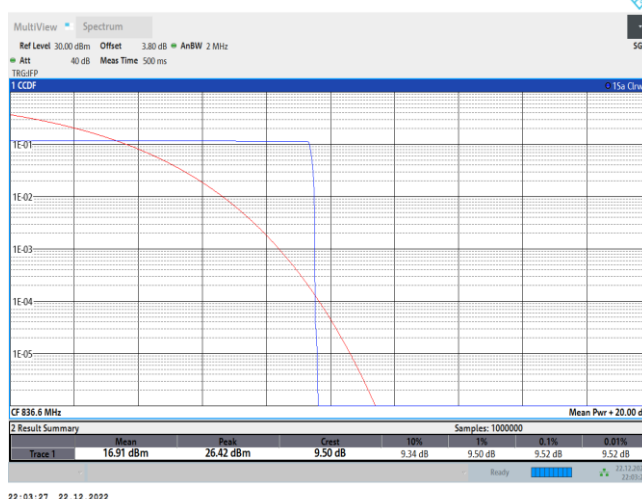
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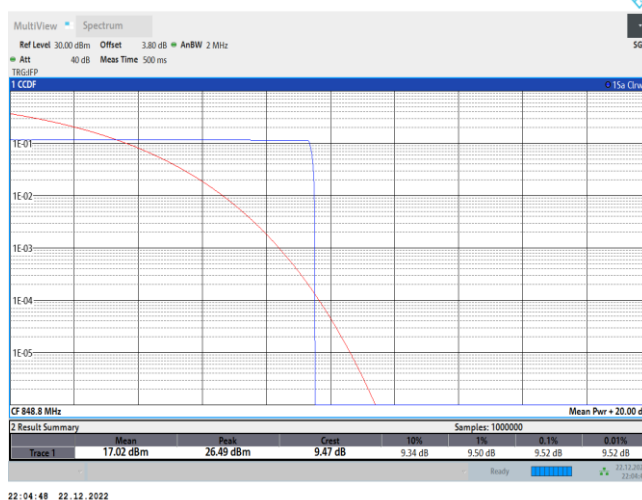
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### EGPRS850-190



### EGPRS850-251



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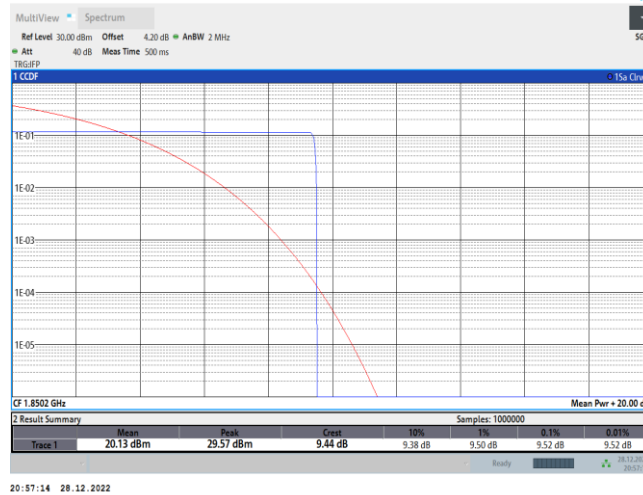
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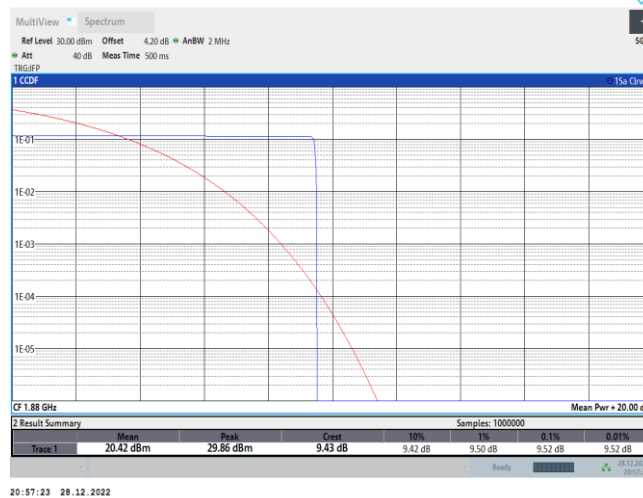
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### GSM1900-512



### GSM1900-661



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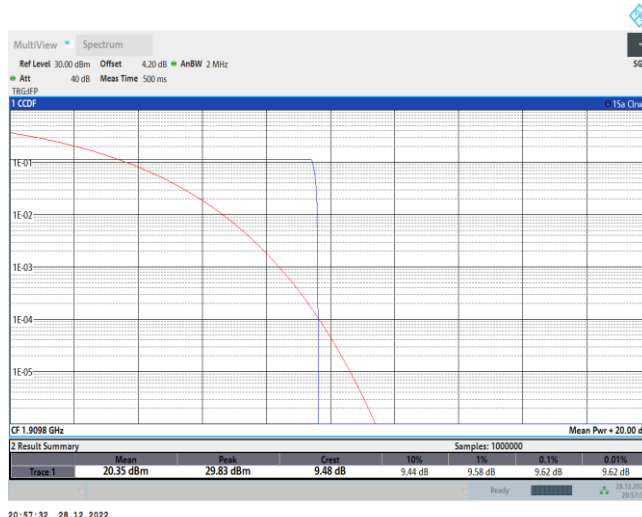


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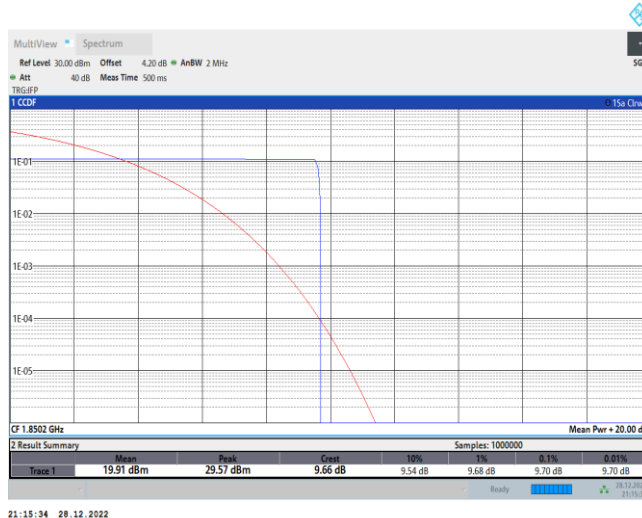
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### GSM1900-810



### GPRS1900-512



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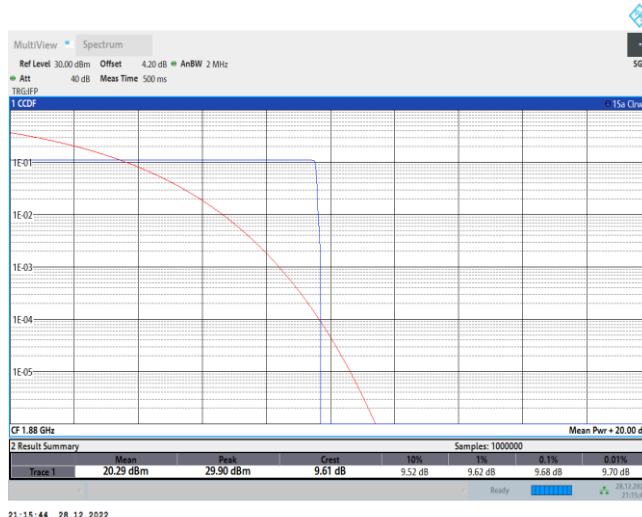
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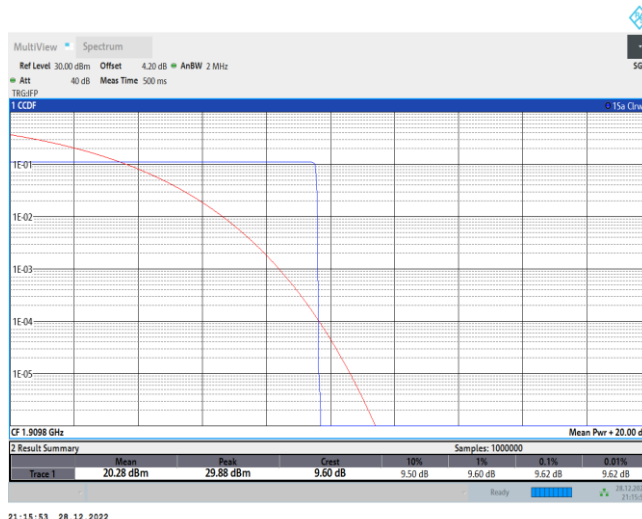
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### GPRS1900-661



### GPRS1900-810



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## Modulation Characteristics

### Test Result

Band	Channel	Result	Verdict
GSM850	190	PASS	PASS
EGPRS850	190	PASS	PASS
GSM1900	661	PASS	PASS
EGPRS1900	661	PASS	PASS



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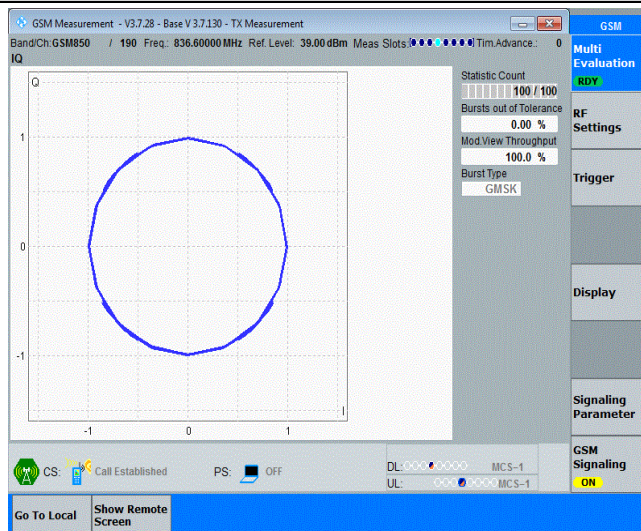
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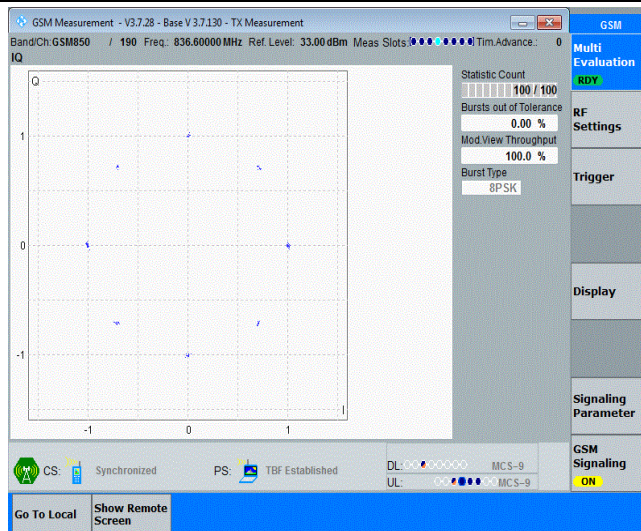
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## Test Graphs

### GSM850-190



### EGPRS850-190



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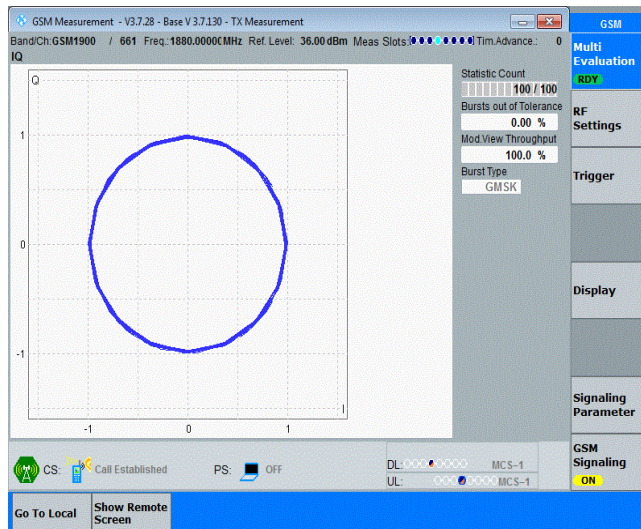


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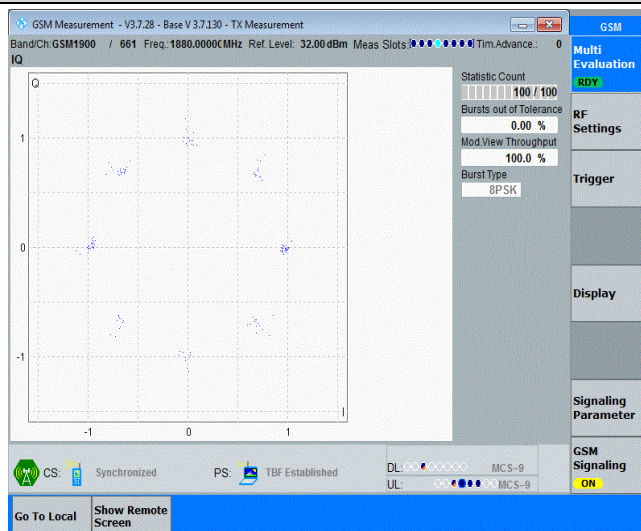
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### GSM1900-661



### EGPRS1900-661



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## 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	0.245	0.32	---	PASS
GSM850	251	0.248	0.32	---	PASS
EGPRS850	128	0.245	0.32	---	PASS
EGPRS850	190	0.244	0.32	---	PASS
EGPRS850	251	0.247	0.32	---	PASS
GSM1900	512	0.245	0.31	---	PASS
GSM1900	661	0.245	0.31	---	PASS
GSM1900	810	0.246	0.31	---	PASS
EGPRS1900	512	0.245	0.31	---	PASS
EGPRS1900	661	0.245	0.32	---	PASS
EGPRS1900	810	0.246	0.32	---	PASS



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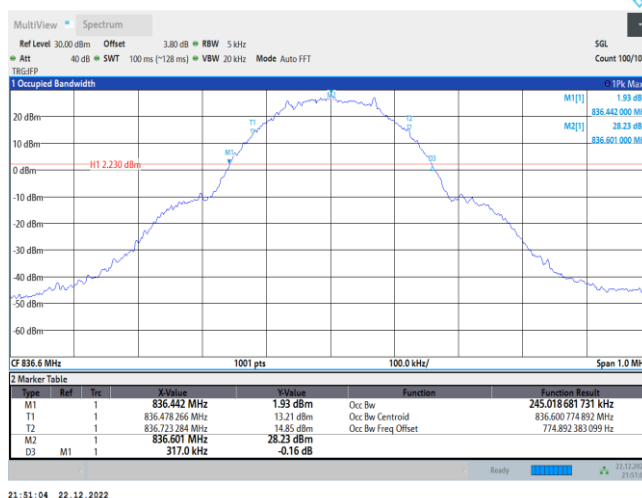
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### Test Graphs

#### GSM850-128



#### GSM850-190



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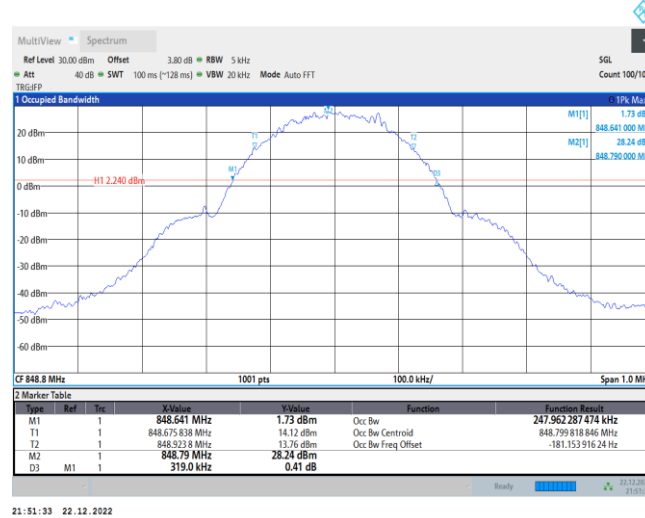
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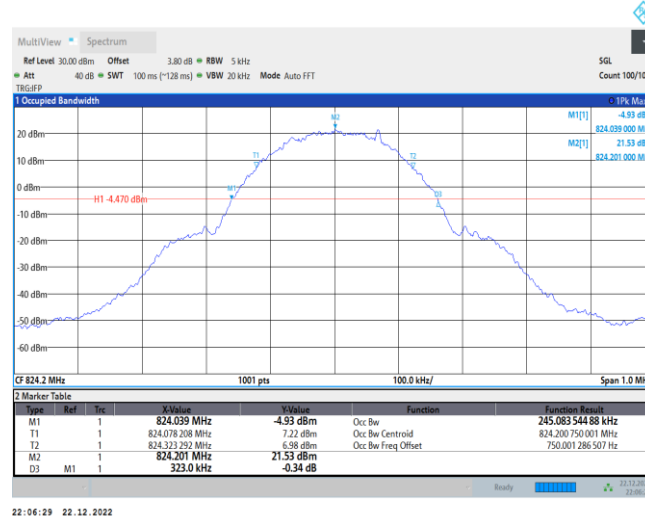
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### GSM850-251



### EGPRS850-128



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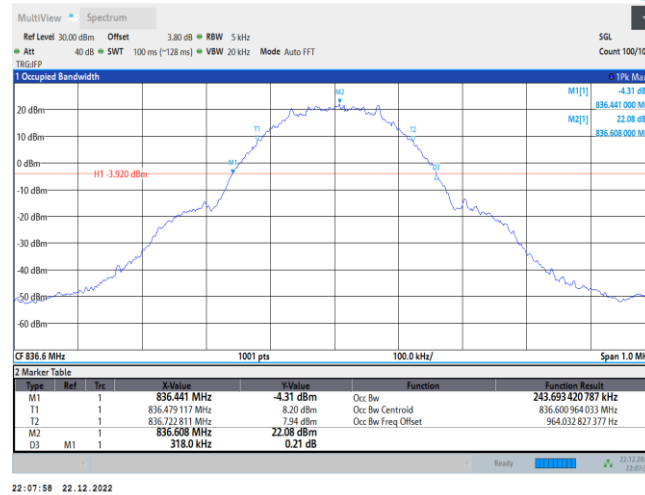
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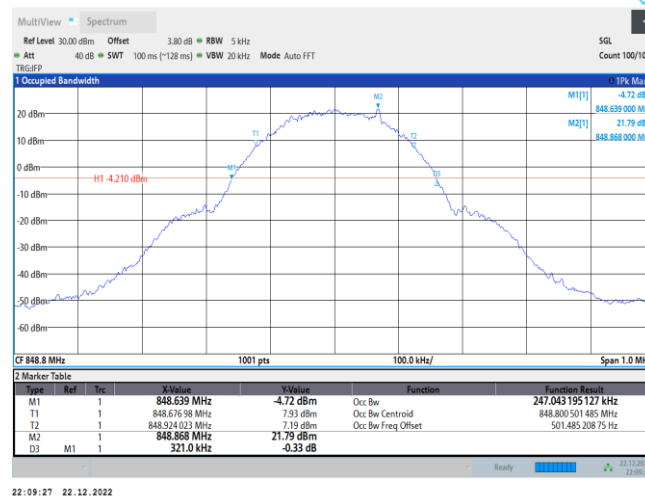
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### EGPRS850-190



### EGPRS850-251



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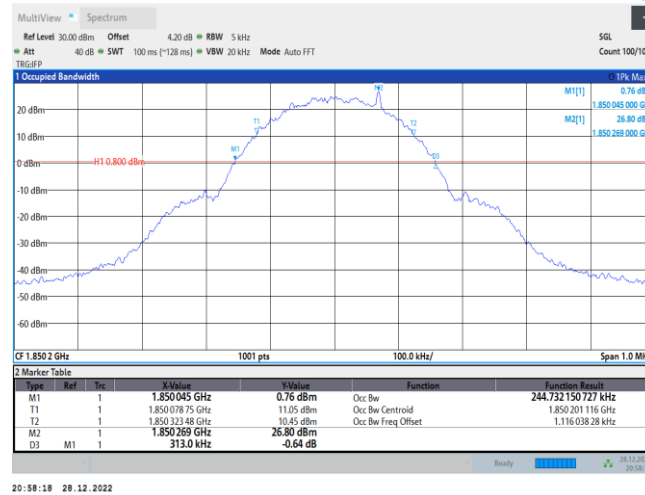
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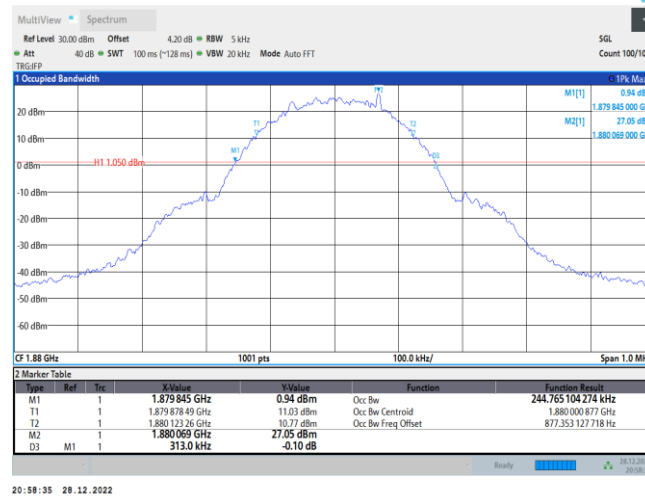
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### GSM1900-512



### GSM1900-661



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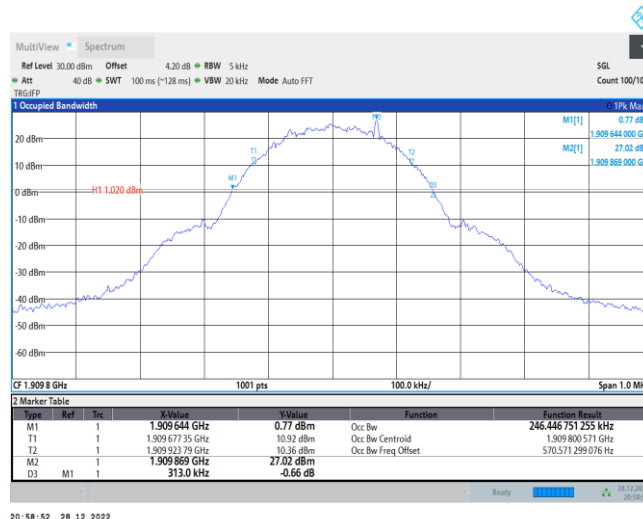


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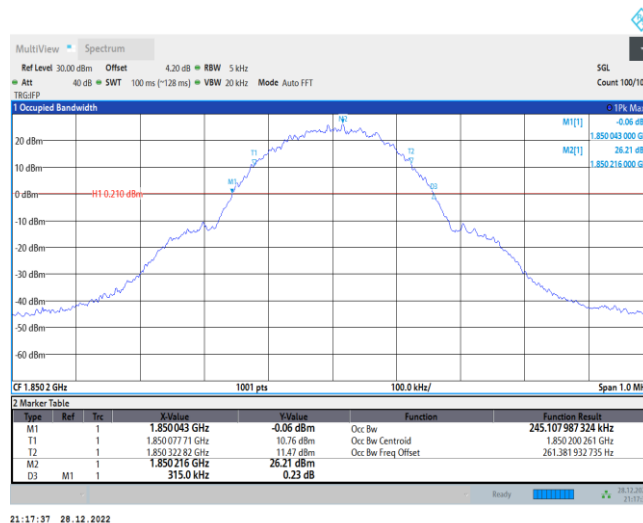
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## GSM1900-810



## GPRS1900-512

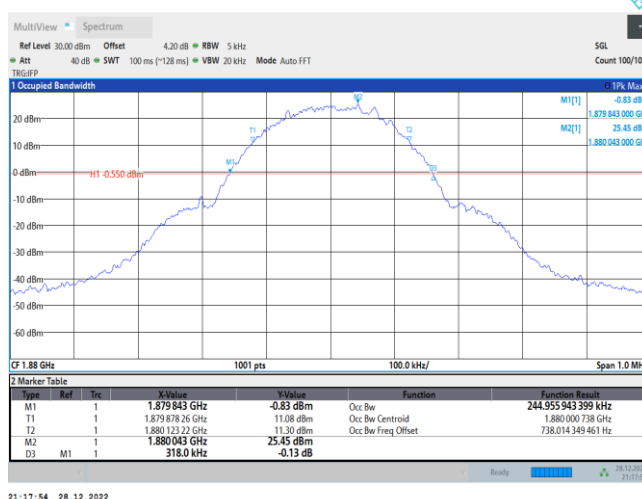


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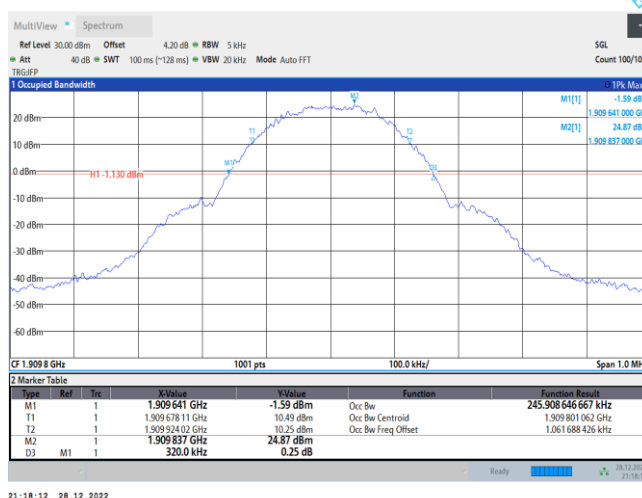
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## GPRS1900-661



## GPRS1900-810



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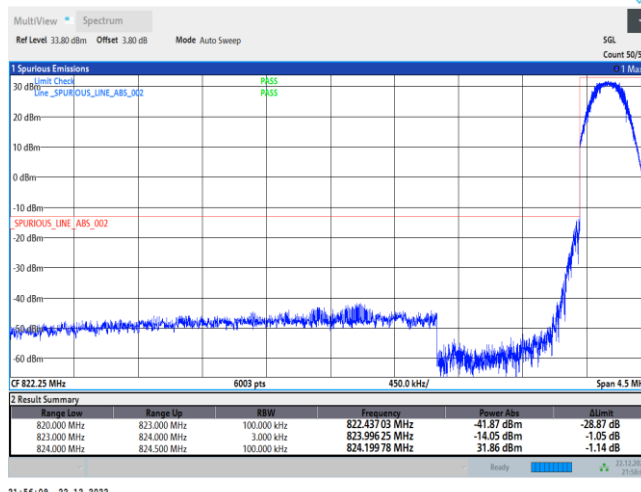
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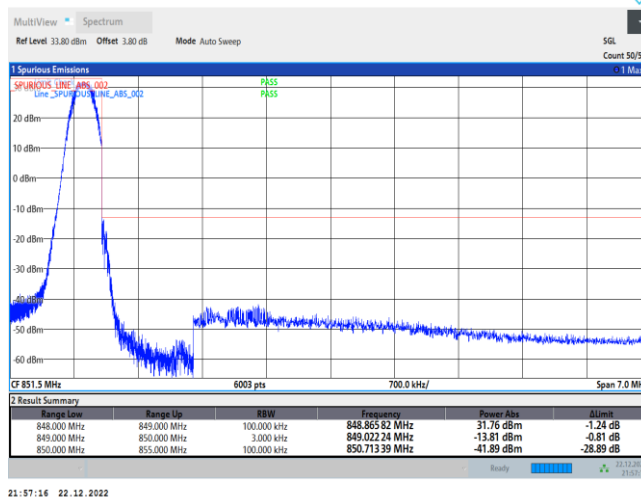
### Band Edge

### Test Graphs

#### GSM850-128



#### GSM850-251



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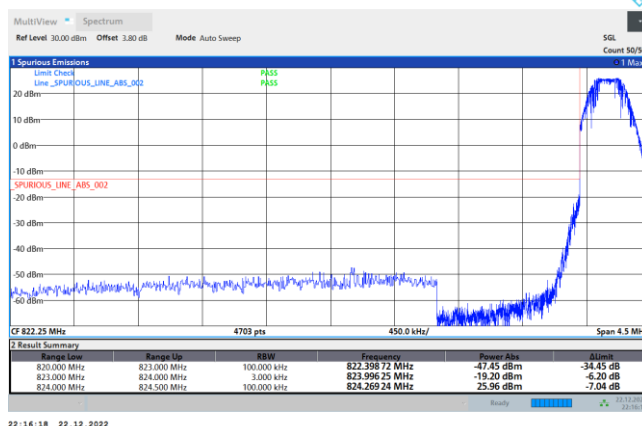
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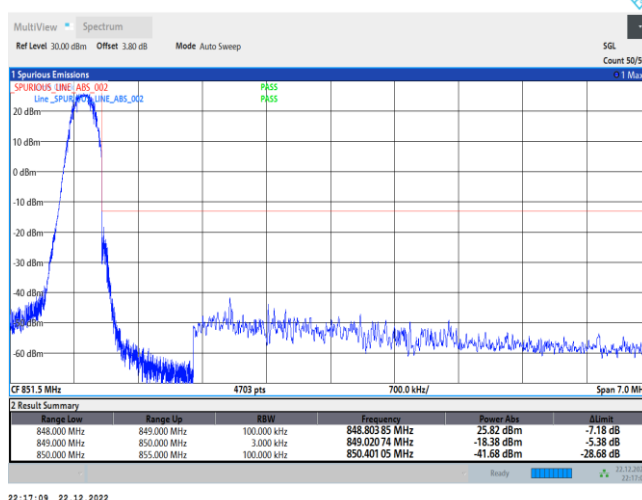
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### EGPRS850-128



### EGPRS850-251



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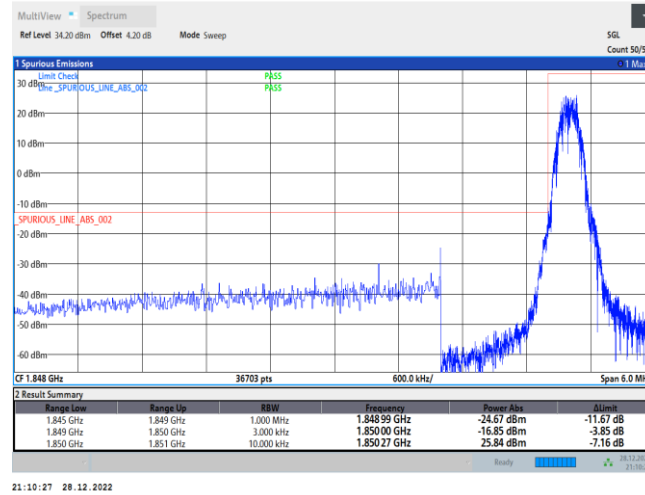
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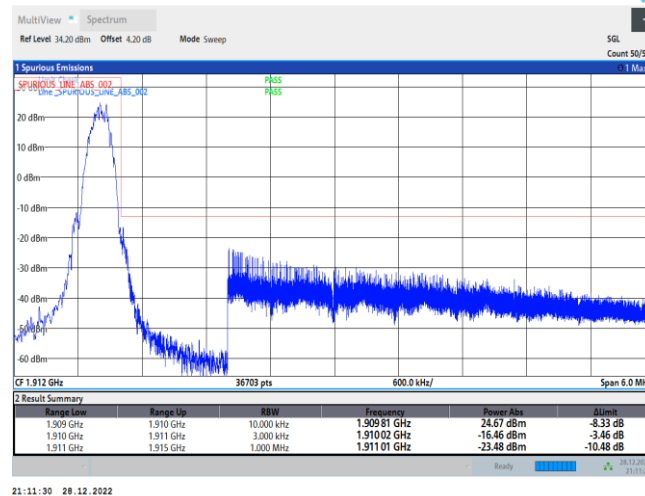
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### GSM1900-512



### GSM1900-810



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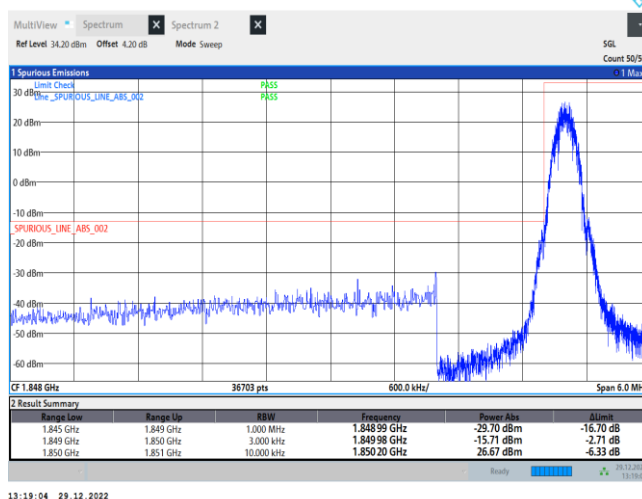


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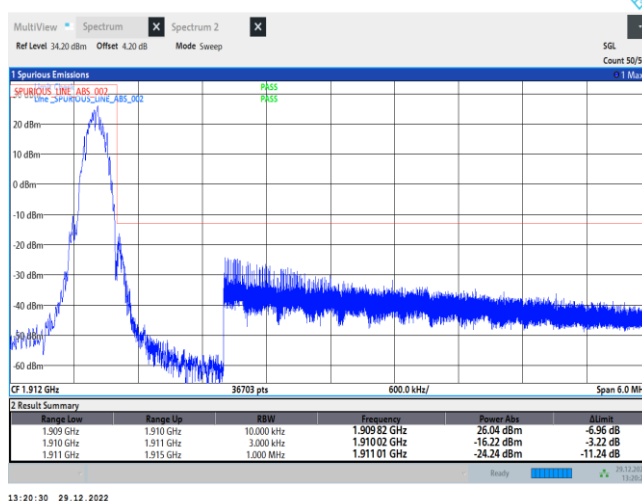
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### EGPRS1900-810



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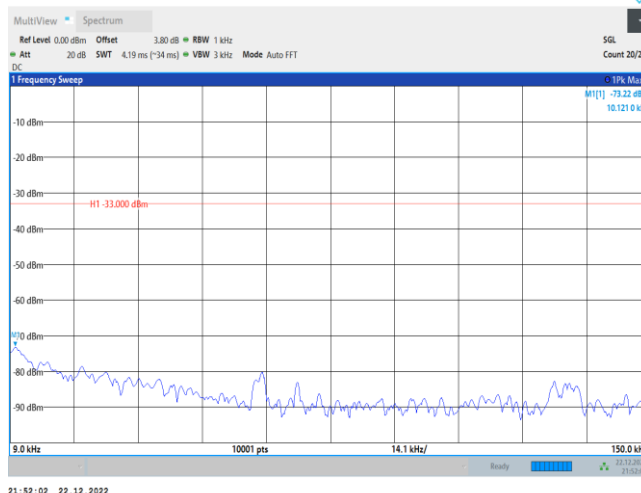
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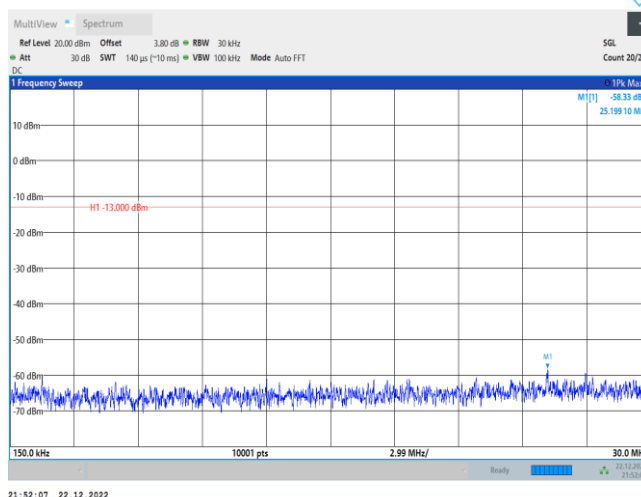
### Conducted Spurious Emission

#### Test Graphs

GSM850-128-0.009~0.15MHz



GSM850-128-0.15~30MHz



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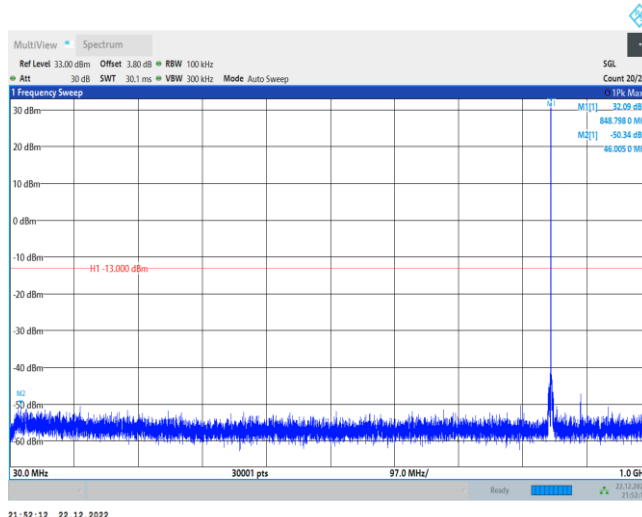
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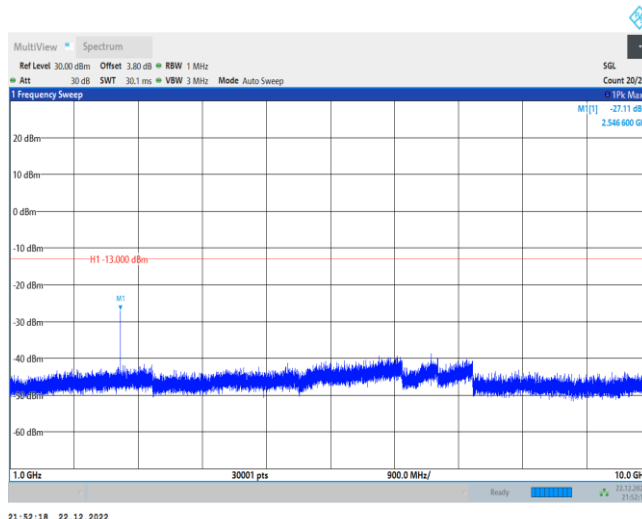
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### GSM850-128-30~1000MHz



### GSM850-128-1000~10000MHz



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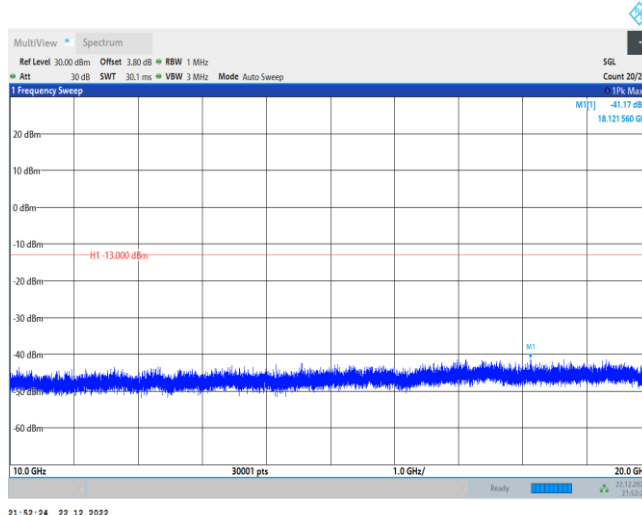
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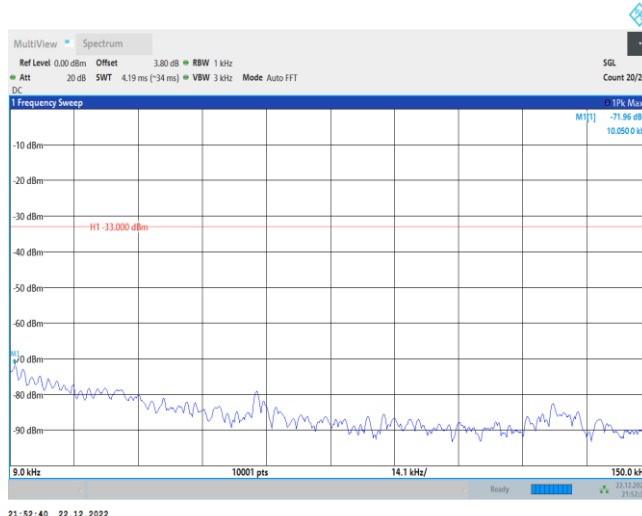
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### GSM850-128-10000~20000MHz



### GSM850-190-0.009~0.15MHz



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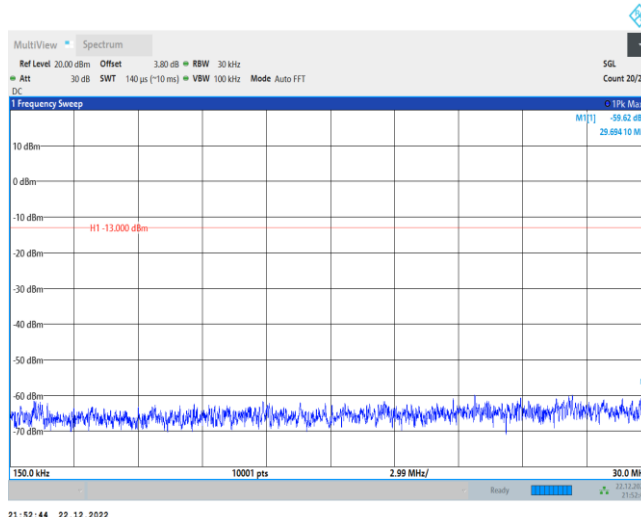
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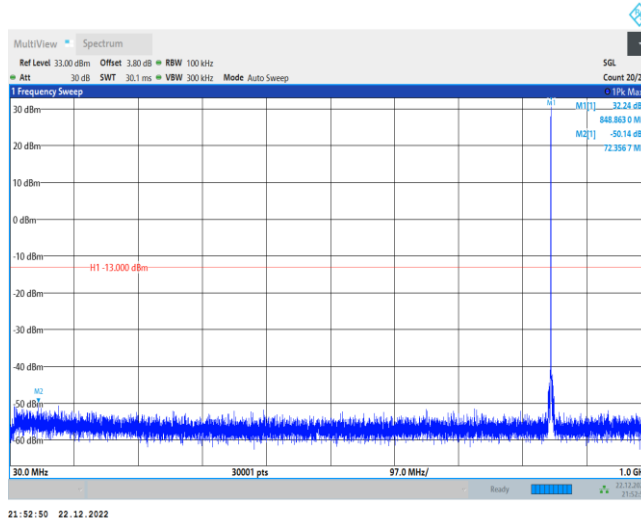
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### GSM850-190-0.15~30MHz



### GSM850-190-30~1000MHz



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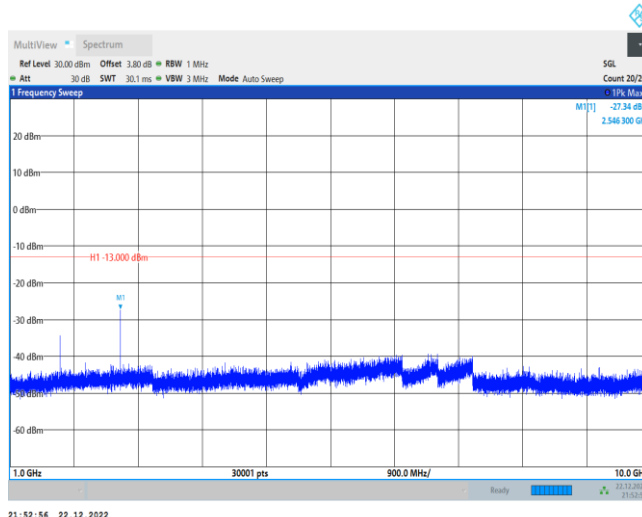


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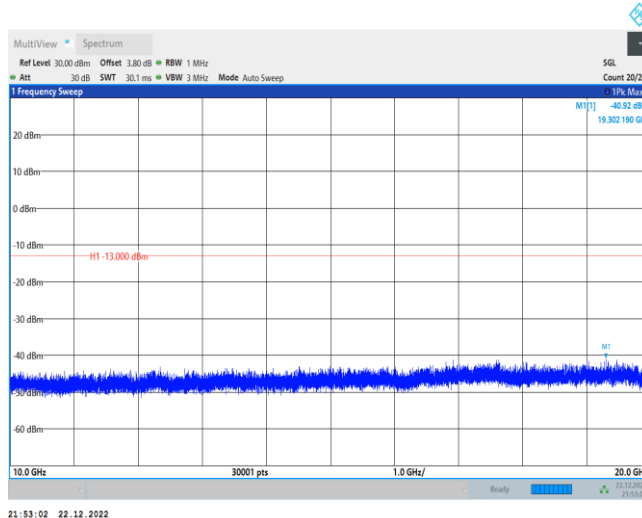
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### GSM850-190-1000~10000MHz



### GSM850-190-10000~20000MHz



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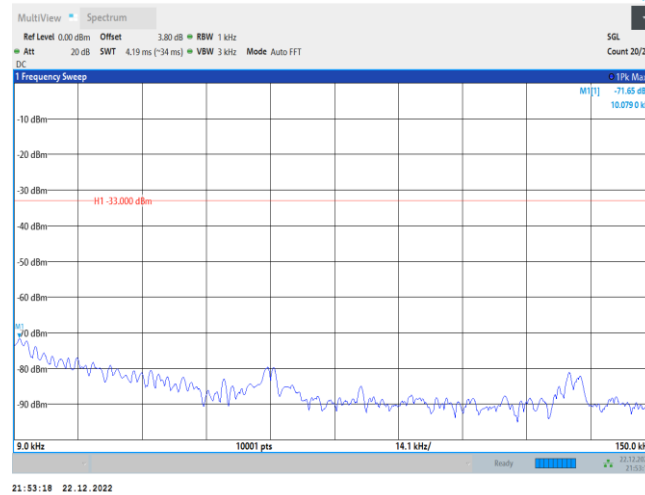
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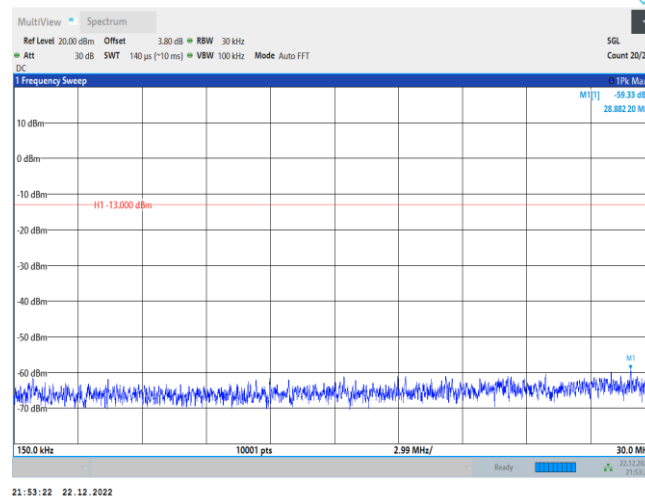
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### GSM850-251-0.009~0.15MHz



### GSM850-251-0.15~30MHz



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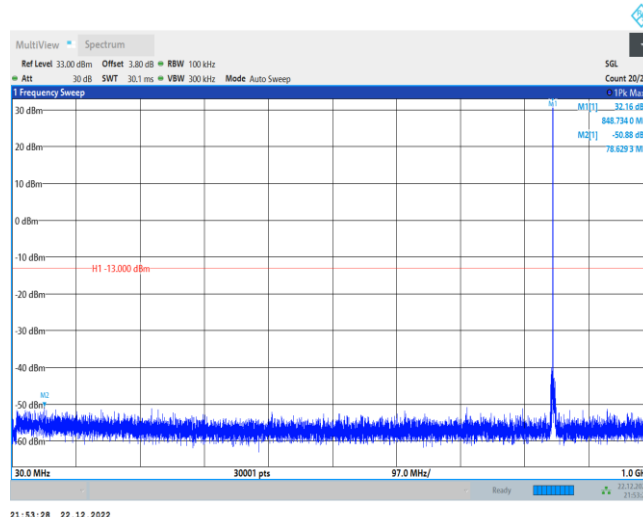
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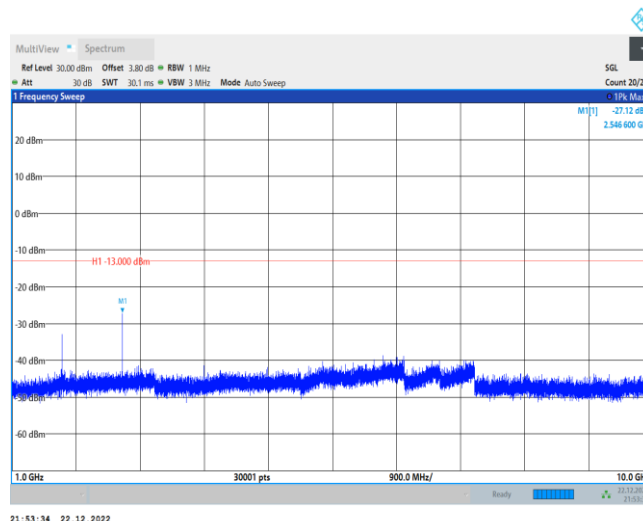
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### GSM850-251-30~1000MHz



### GSM850-251-1000~10000MHz



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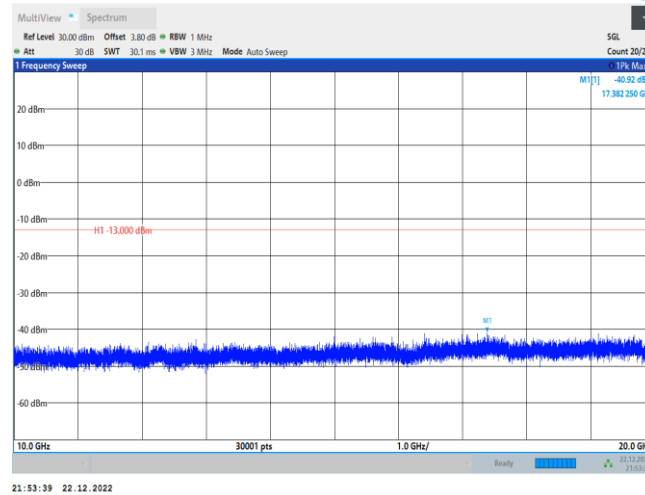
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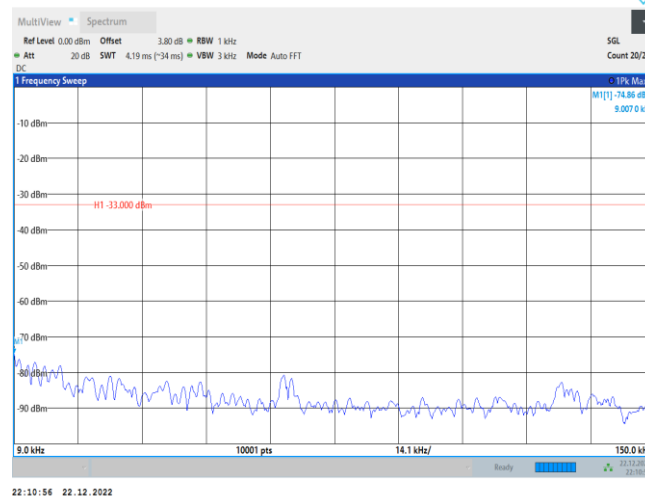
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### GSM850-251-10000~20000MHz



### EGPRS850-128-0.009~0.15MHz



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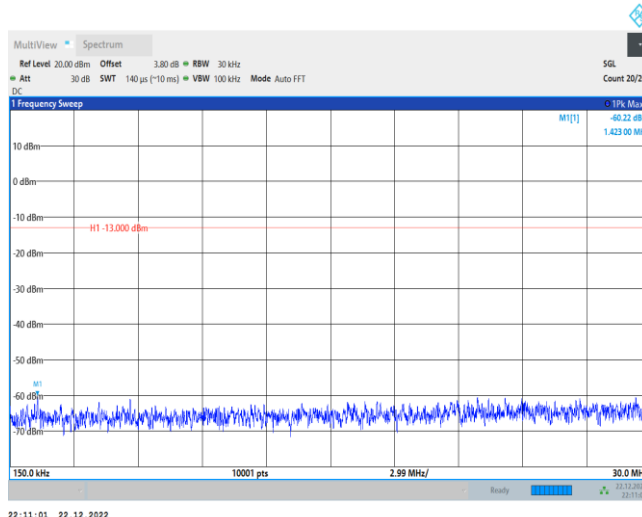
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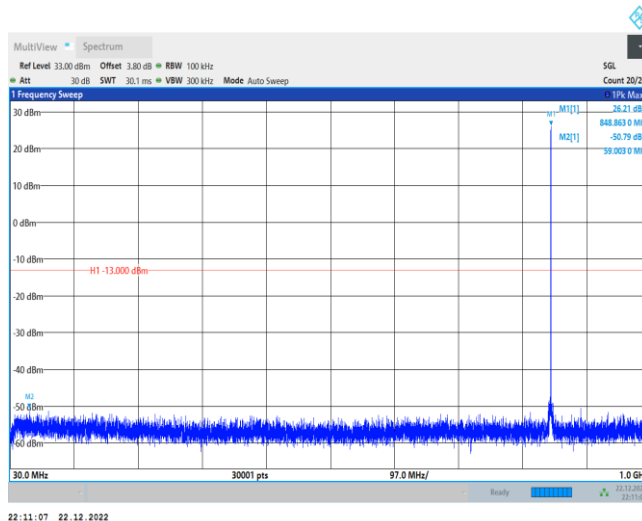
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### EGPRS850-128-0.15~30MHz



### EGPRS850-128-30~1000MHz



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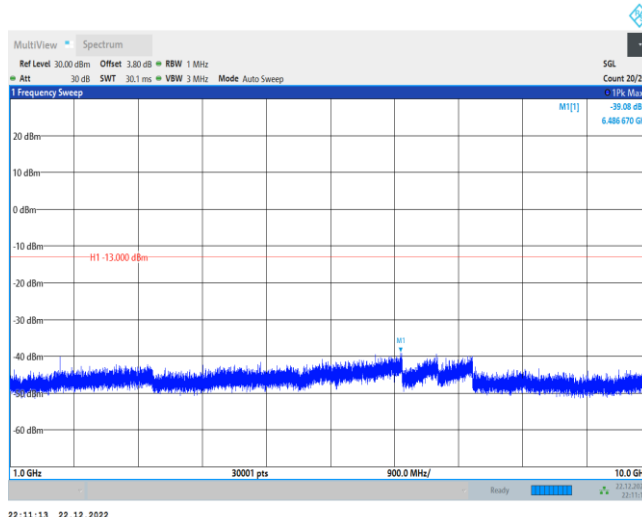


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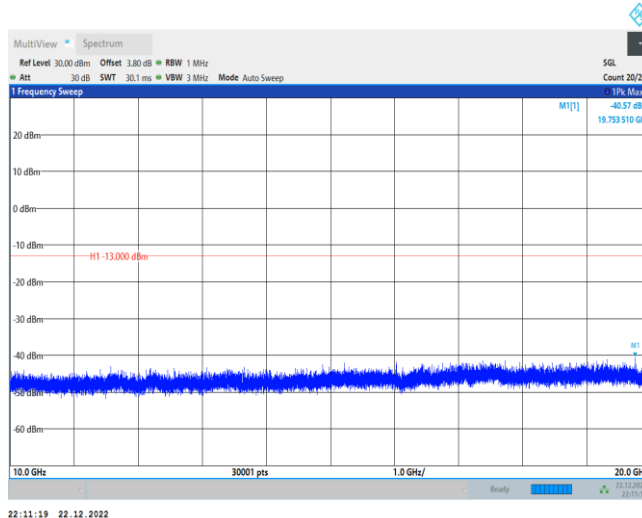
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### EGPRS850-128-1000~10000MHz



### EGPRS850-128-10000~20000MHz



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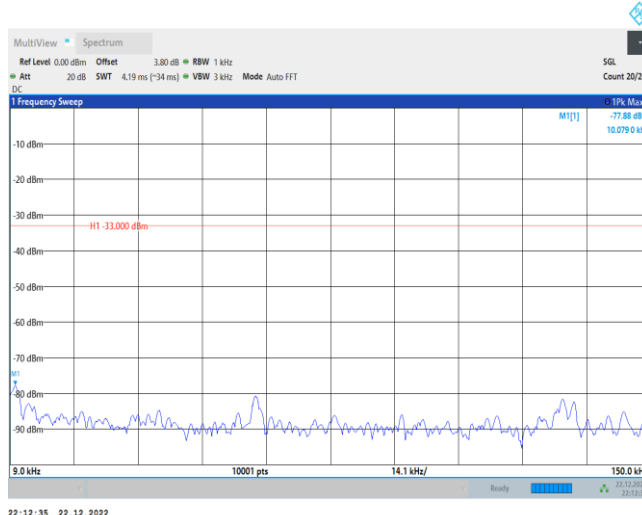
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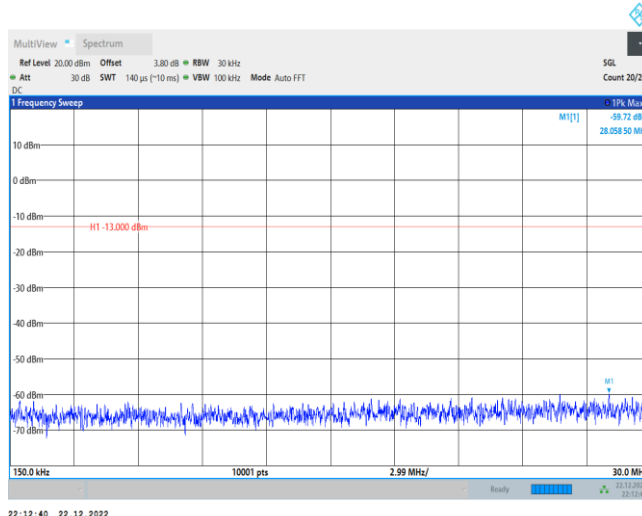
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### EGPRS850-190-0.009~0.15MHz



### EGPRS850-190-0.15~30MHz



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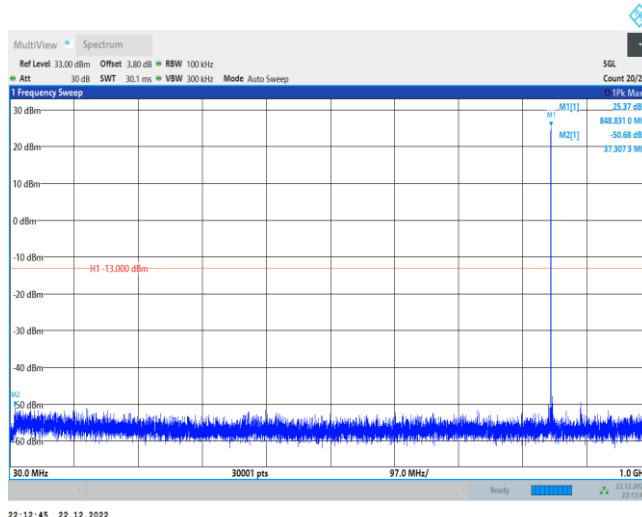
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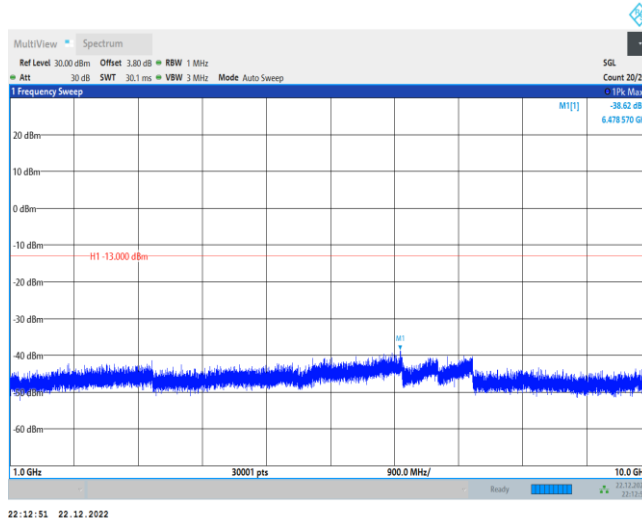
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### EGPRS850-190-30~1000MHz



### EGPRS850-190-1000~10000MHz



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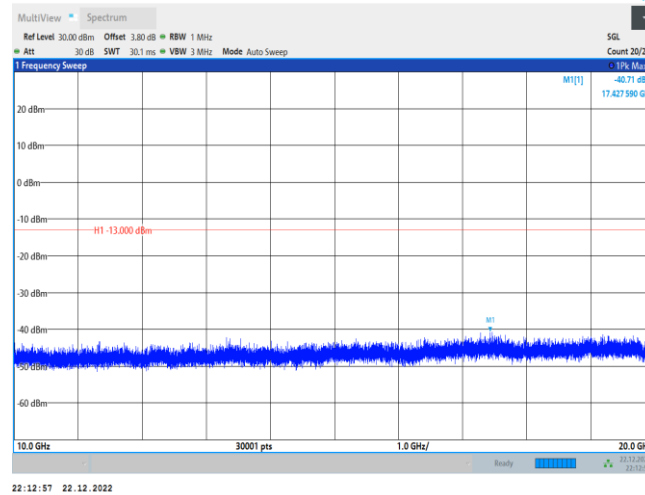
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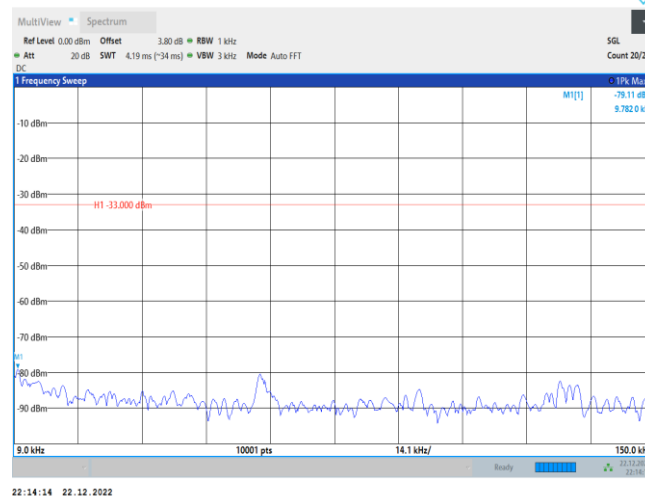
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### EGPRS850-190-10000~20000MHz



### EGPRS850-251-0.009~0.15MHz



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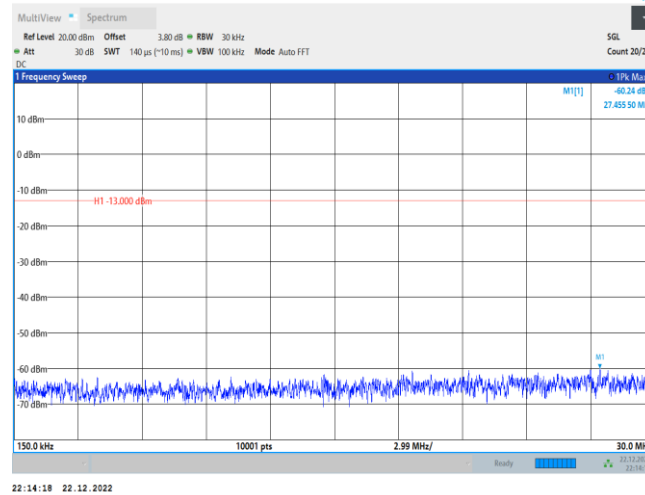
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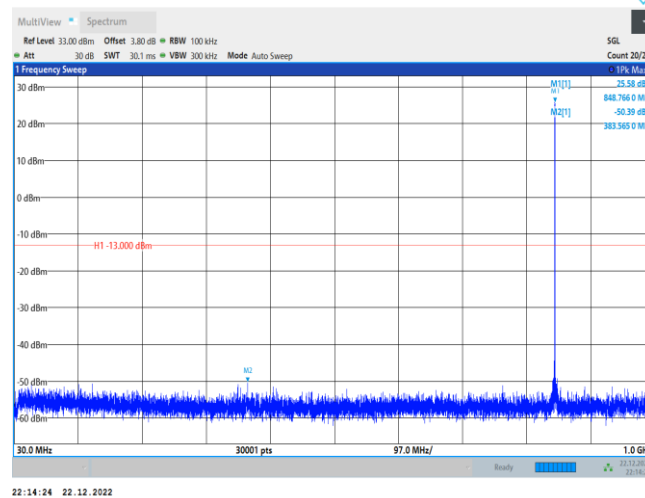
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### EGPRS850-251-0.15~30MHz



### EGPRS850-251-30~1000MHz



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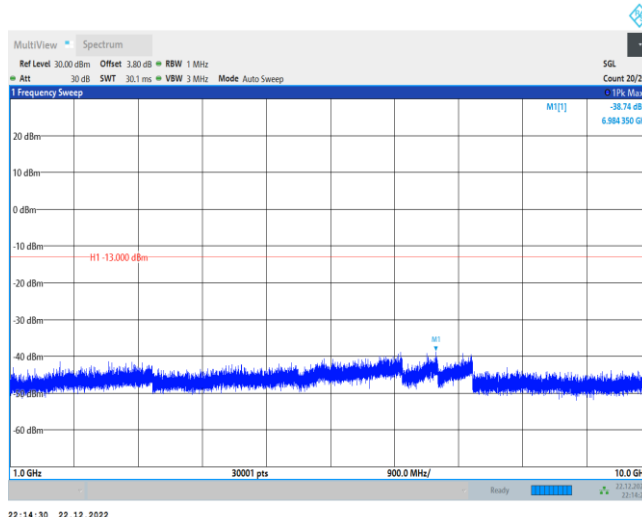


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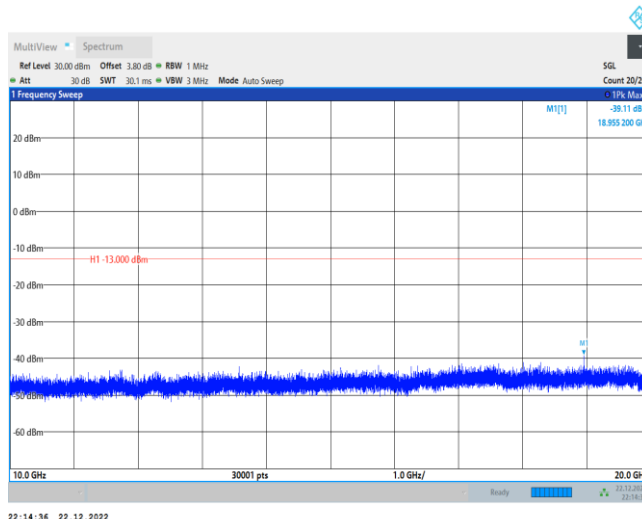
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### EGPRS850-251-1000~10000MHz



### EGPRS850-251-10000~20000MHz



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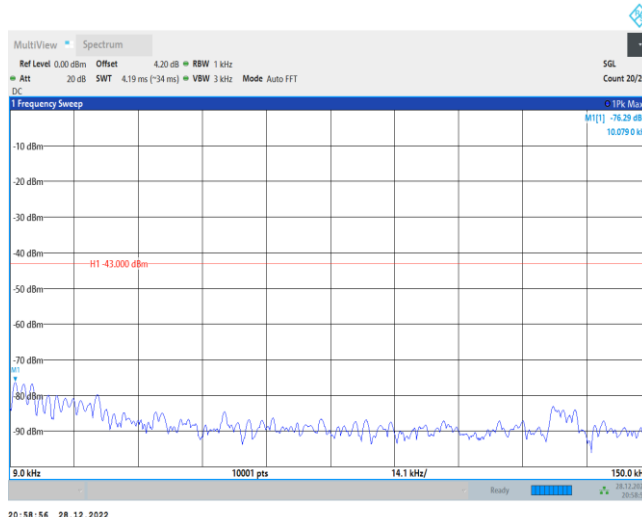
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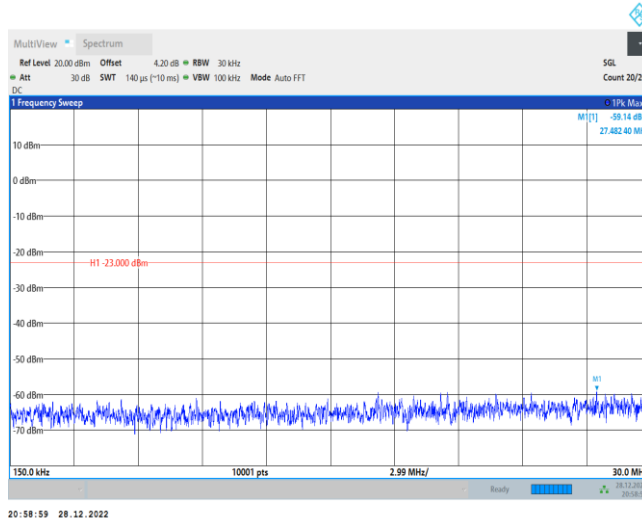
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### GSM1900-512-0.009~0.15MHz



### GSM1900-512-0.15~30MHz



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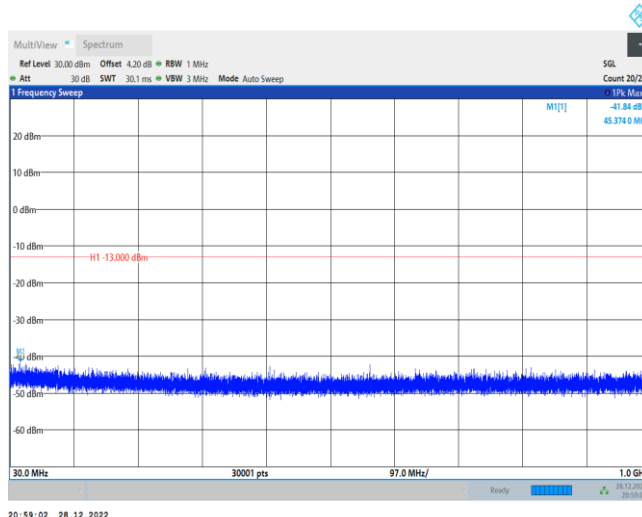
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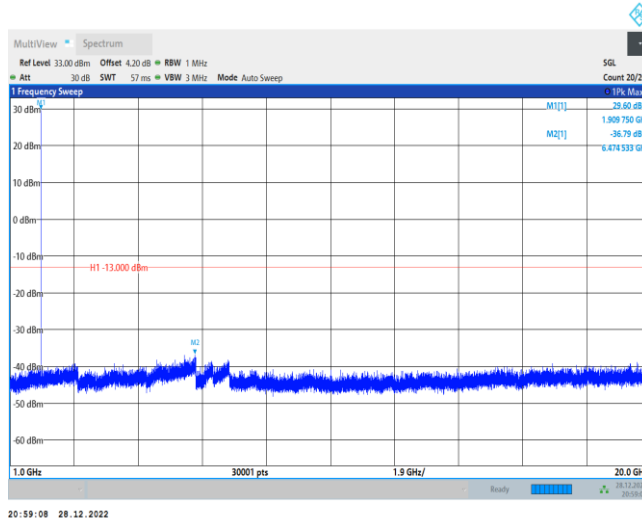
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### GSM1900-512-30~1000MHz



### GSM1900-512-1000~20000MHz



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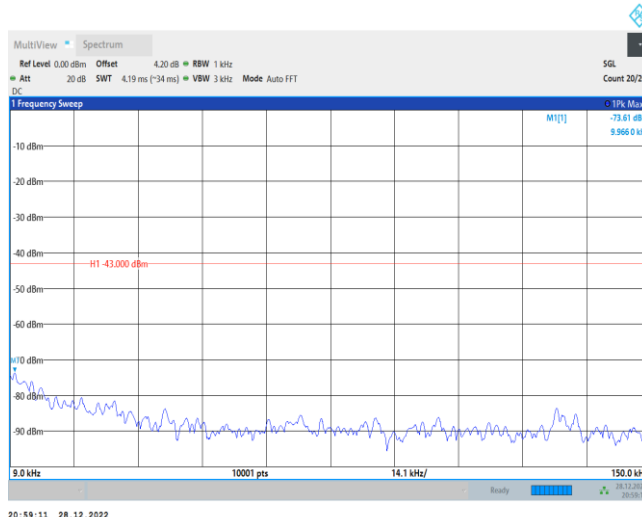
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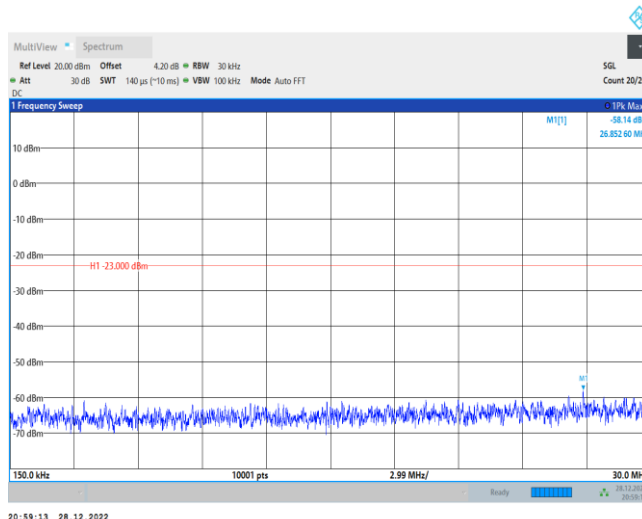
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### GSM1900-661-0.009~0.15MHz



### GSM1900-661-0.15~30MHz



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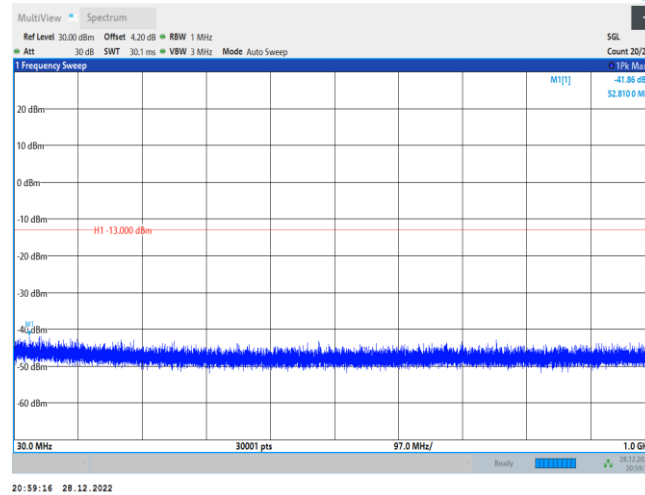
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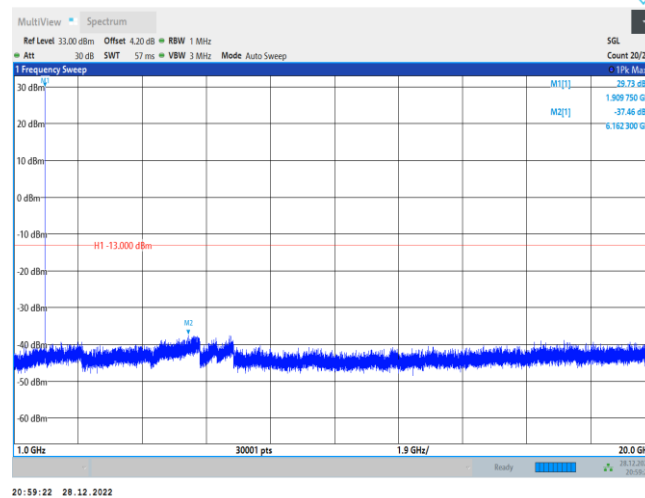
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### GSM1900-661-30~1000MHz



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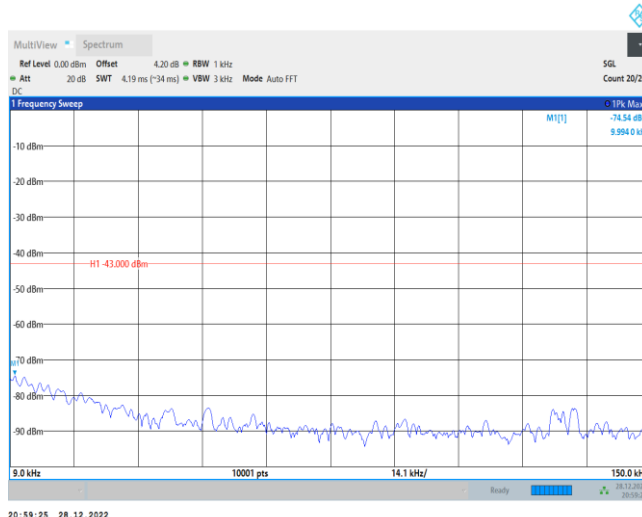


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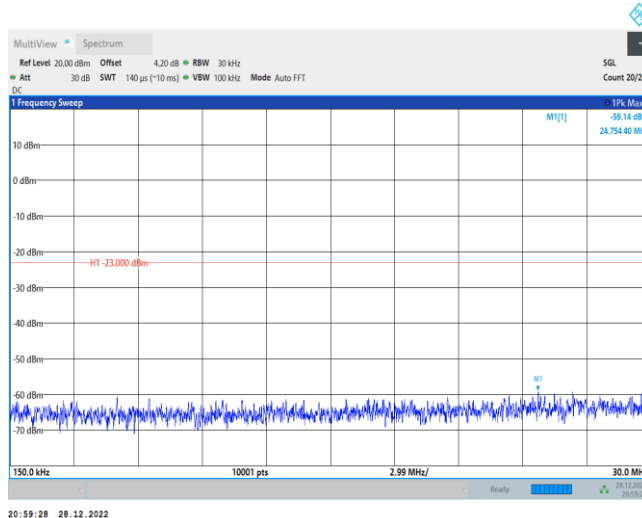
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### GSM1900-810-0.009~0.15MHz



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