

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Channel	Power(dBm)	ERP(dBm)	Limit(dBm)	Verdict
GSM850	128	31.70	32.11	38.45	PASS
GSM850	190	31.87	32.28	38.45	PASS
GSM850	251	31.70	32.11	38.45	PASS
Band	Channel	Power(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
GSM1900	512	28.31	30.24	33.00	PASS
GSM1900	661	28.24	30.17	33.00	PASS
GSM1900	810	27.84	29.77	33.00	PASS

Band	Channel	Slot	Power(dBm)	ERP(dBm)	Limit(dBm)	Verdict
EGPRS850	128	1	25.94	26.35	38.45	PASS
EGPRS850	128	2	27.03	27.44	38.45	PASS
EGPRS850	128	3	26.22	26.63	38.45	PASS
EGPRS850	128	4	26.14	26.55	38.45	PASS
EGPRS850	190	1	26.27	26.68	38.45	PASS
EGPRS850	190	2	26.21	26.62	38.45	PASS
EGPRS850	190	3	26.15	26.56	38.45	PASS
EGPRS850	190	4	26.08	26.49	38.45	PASS
EGPRS850	251	1	26.21	26.62	38.45	PASS
EGPRS850	251	2	26.11	26.52	38.45	PASS
EGPRS850	251	3	26.06	26.47	38.45	PASS
EGPRS850	251	4	25.99	26.4	38.45	PASS
Band	Channel	Slot	Power(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
EGPRS1900	512	1	24.72	26.65	33.00	PASS
EGPRS1900	512	2	24.74	26.67	33.00	PASS
EGPRS1900	512	3	24.55	26.48	33.00	PASS
EGPRS1900	512	4	24.18	26.11	33.00	PASS
EGPRS1900	661	1	24.91	26.84	33.00	PASS
EGPRS1900	661	2	24.84	26.77	33.00	PASS
EGPRS1900	661	3	24.77	26.7	33.00	PASS
EGPRS1900	661	4	24.21	26.14	33.00	PASS
EGPRS1900	810	1	24.78	26.71	33.00	PASS
EGPRS1900	810	2	24.72	26.65	33.00	PASS
EGPRS1900	810	3	24.69	26.62	33.00	PASS
EGPRS1900	810	4	23.77	25.7	33.00	PASS

Test on the worst case:

Band	Channel	ERP/EIRP(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
GSM850	128	31.55	31.96	38.45	PASS
GSM850	190	31.67	32.08	38.45	PASS
GSM850	251	31.55	31.96	38.45	PASS
GSM1900	512	28.17	30.1	33	PASS
GSM1900	661	28.07	30	33	PASS
GSM1900	810	27.64	29.57	33	PASS

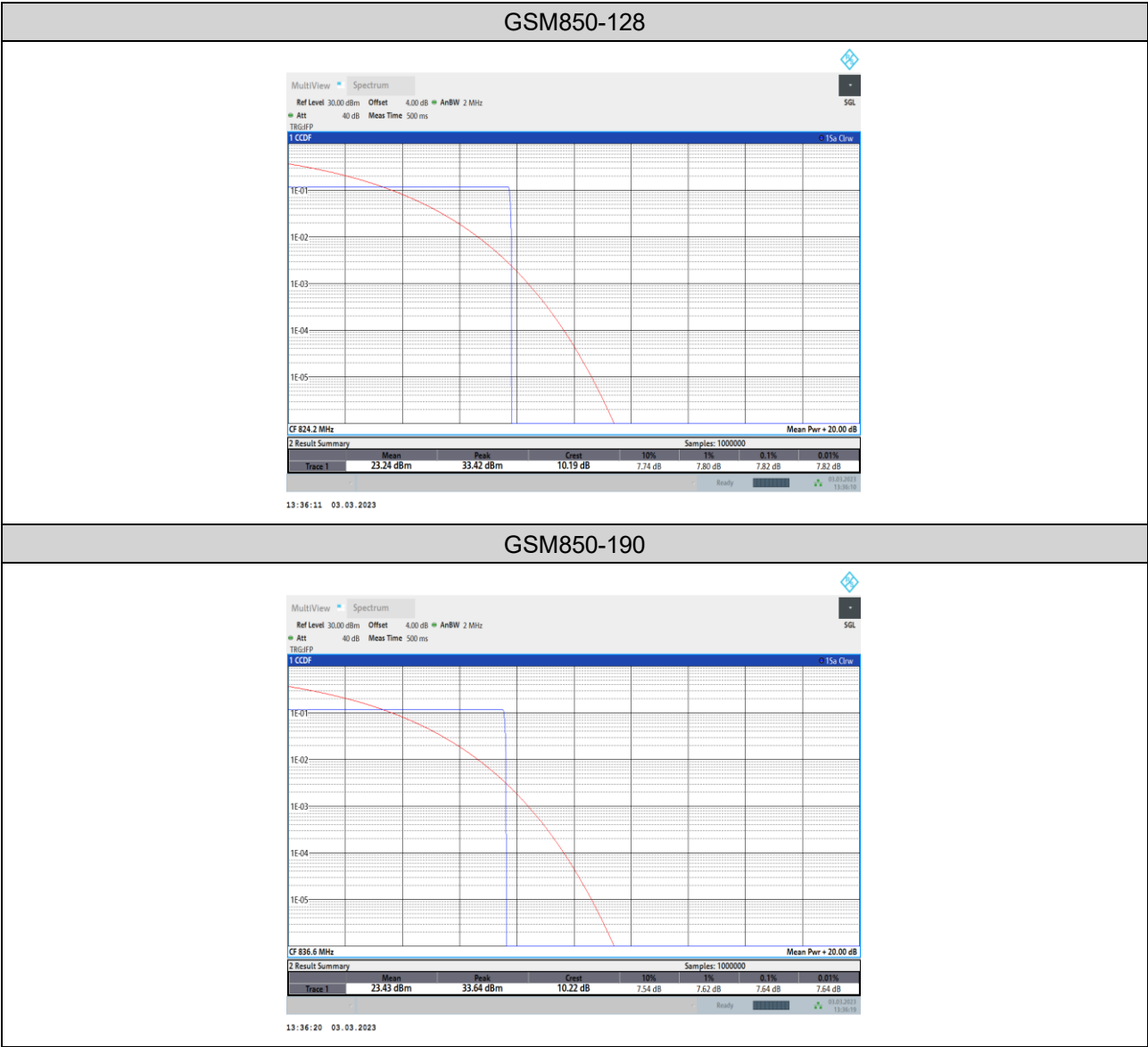
Band	Channel	Slot	Power(dBm)	ERP(dBm)	Limit(dBm)	Verdict
EGPRS850	128	1	25.73	26.14	38.45	PASS
EGPRS850	128	2	26.83	27.24	38.45	PASS
EGPRS850	128	3	26.07	26.48	38.45	PASS
EGPRS850	128	4	25.93	26.34	38.45	PASS
EGPRS850	190	1	26.06	26.47	38.45	PASS
EGPRS850	190	2	26.01	26.42	38.45	PASS
EGPRS850	190	3	25.94	26.35	38.45	PASS
EGPRS850	190	4	25.93	26.34	38.45	PASS
EGPRS850	251	1	26.04	26.45	38.45	PASS
EGPRS850	251	2	25.95	26.36	38.45	PASS
EGPRS850	251	3	25.87	26.28	38.45	PASS
EGPRS850	251	4	25.83	26.24	38.45	PASS
Band	Channel	Slot	Power(dBm)	ERP(dBm)	Limit(dBm)	Verdict
EGPRS1900	512	1	24.55	26.48	33	PASS
EGPRS1900	512	2	24.57	26.5	33	PASS
EGPRS1900	512	3	24.37	26.3	33	PASS
EGPRS1900	512	4	23.98	25.91	33	PASS
EGPRS1900	661	1	24.74	26.67	33	PASS
EGPRS1900	661	2	24.63	26.56	33	PASS
EGPRS1900	661	3	24.6	26.53	33	PASS
EGPRS1900	661	4	24.02	25.95	33	PASS
EGPRS1900	810	1	24.57	26.5	33	PASS
EGPRS1900	810	2	24.54	26.47	33	PASS
EGPRS1900	810	3	24.48	26.41	33	PASS
EGPRS1900	810	4	23.56	25.49	33	PASS

Peak-to-Average Ratio(CCDF)

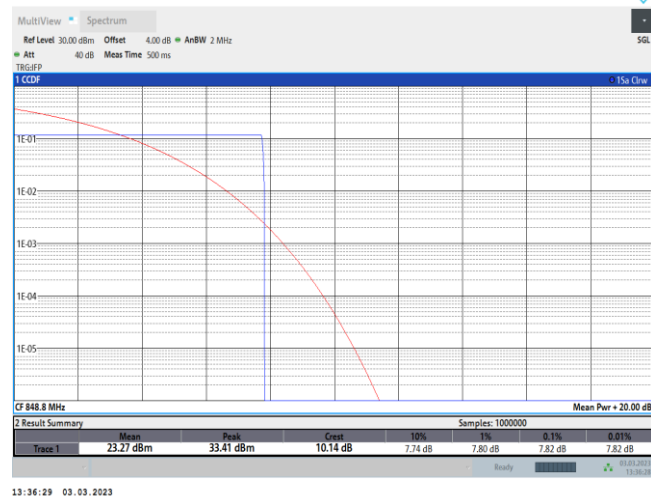
Test Result

Band	Channel	Result(dB)	Limit(dB)	Verdict
GSM850	128	7.82	13	PASS
GSM850	190	7.64	13	PASS
GSM850	251	7.82	13	PASS
EGPRS850	128	12.84	13	PASS
EGPRS850	190	12.7	13	PASS
EGPRS850	251	12.76	13	PASS
GSM1900	512	10.54	13	PASS
GSM1900	661	10.6	13	PASS
GSM1900	810	10.58	13	PASS
EGPRS1900	512	12.52	13	PASS
EGPRS1900	661	12.34	13	PASS
EGPRS1900	810	12.38	13	PASS

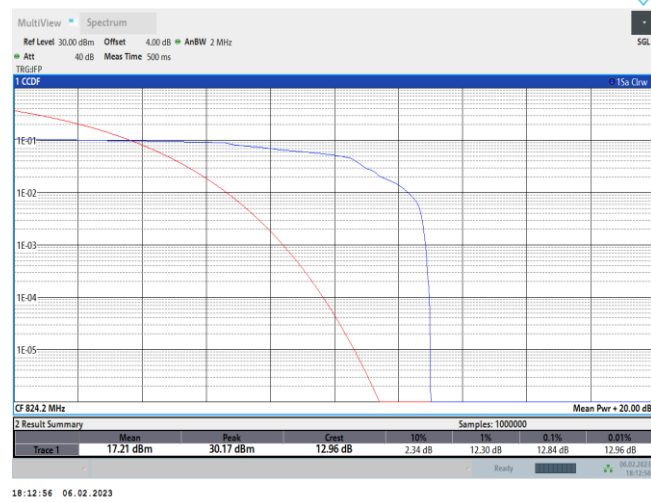
Test Graphs



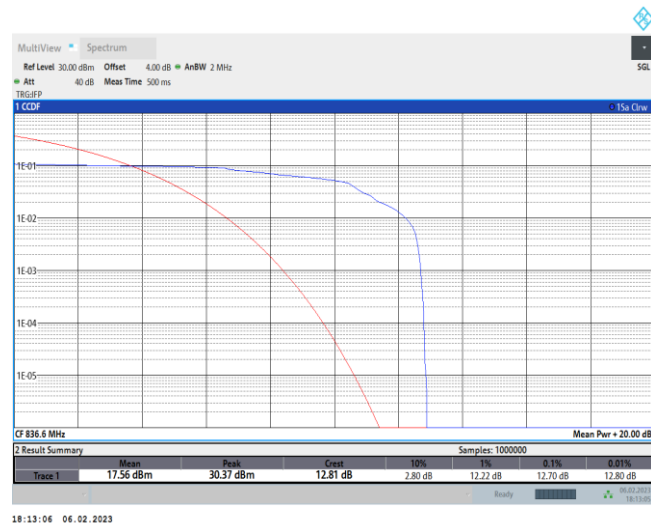
GSM850-251



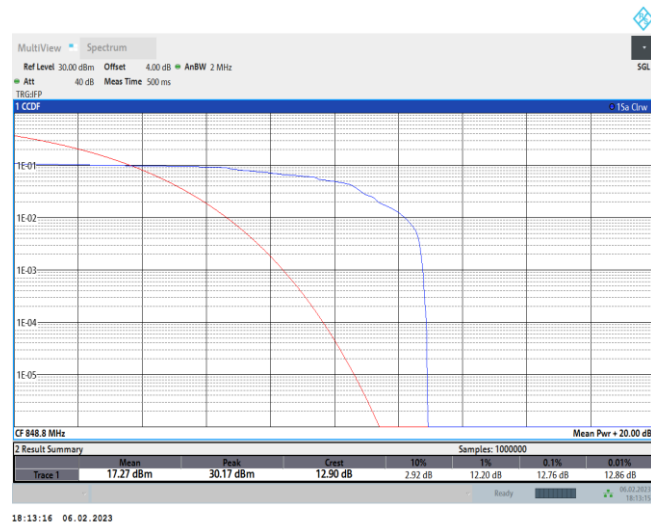
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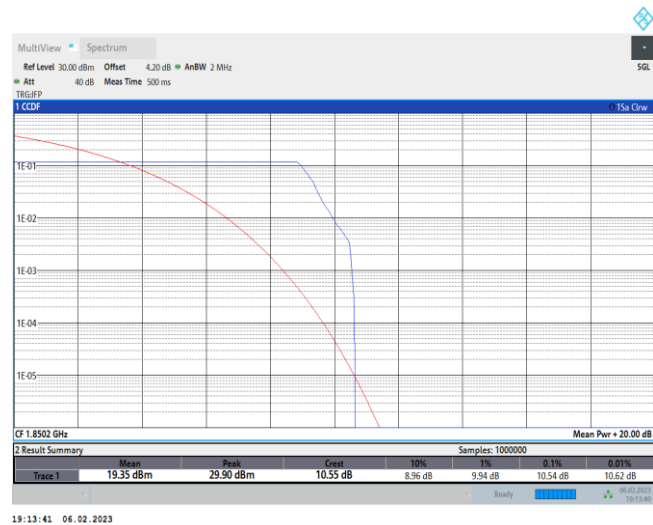
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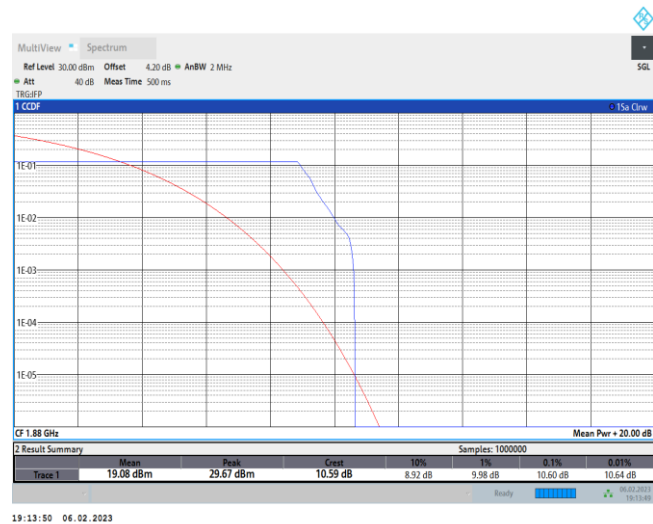
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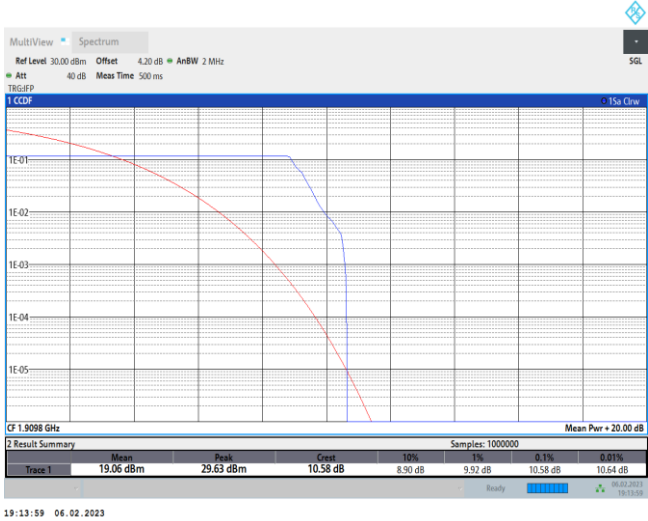
GSM1900-512



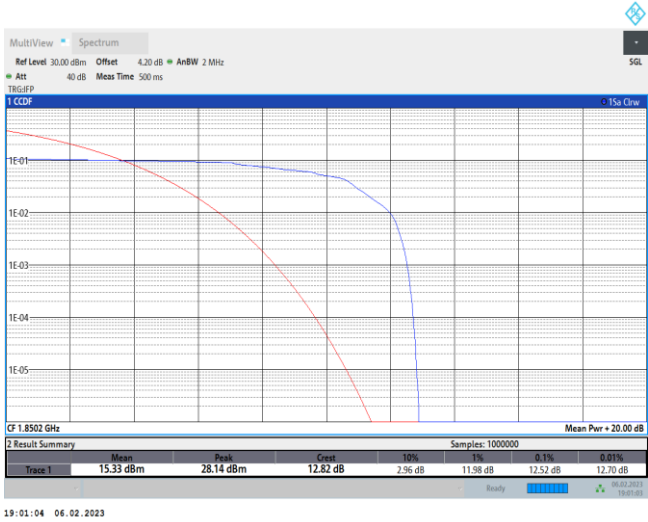
GSM1900-661



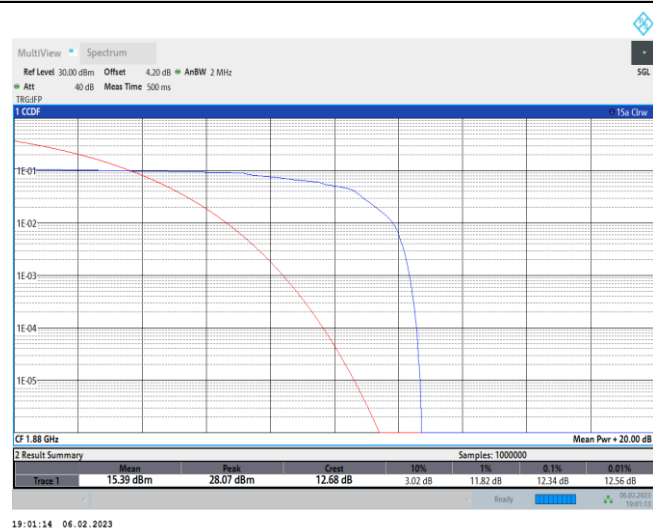
GSM1900-810



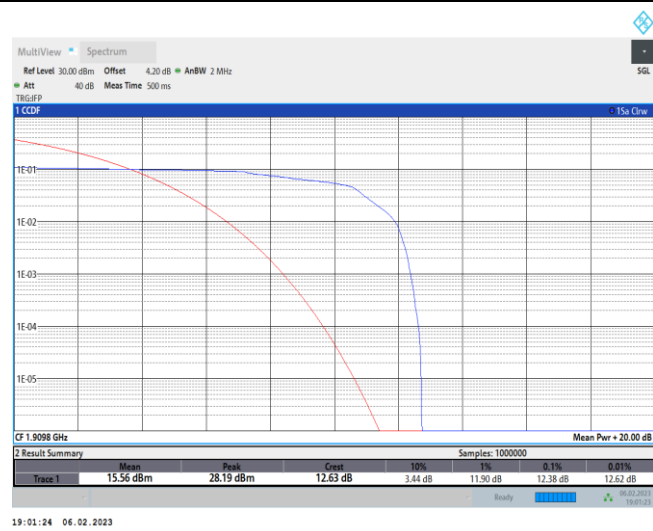
EGPRS1900-512



EGPRS1900-661



EGPRS1900-810

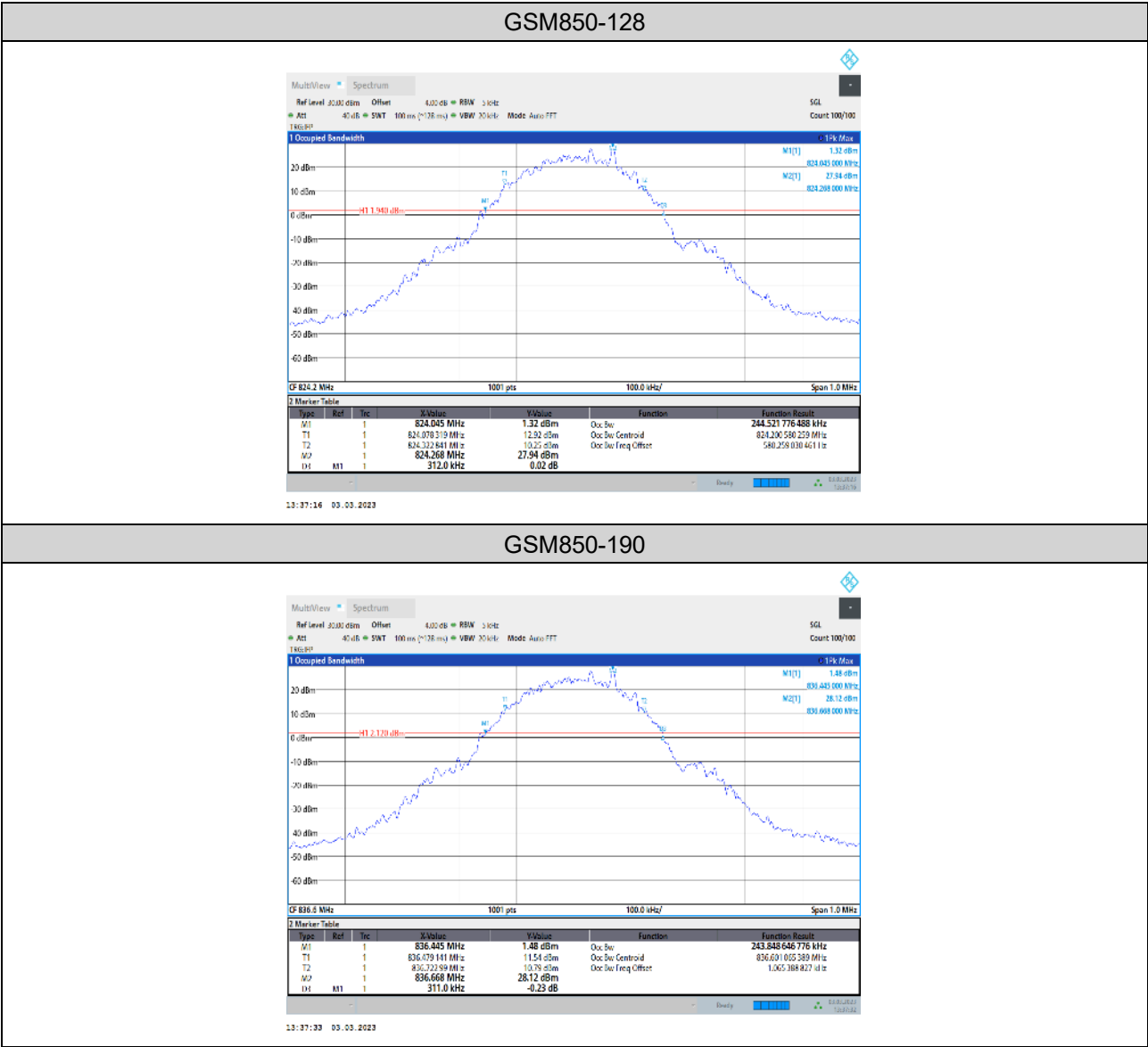


26dB Bandwidth and Occupied Bandwidth

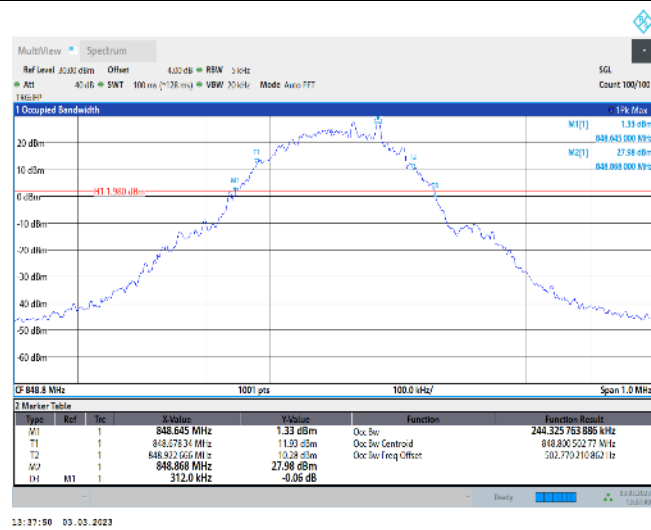
Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GSM850	128	0.245	0.31	---	PASS
GSM850	190	0.244	0.31	---	PASS
GSM850	251	0.244	0.31	---	PASS
EGPRS850	128	0.246	0.32	---	PASS
EGPRS850	190	0.248	0.31	---	PASS
EGPRS850	251	0.248	0.31	---	PASS
GSM1900	512	0.243	0.31	---	PASS
GSM1900	661	0.245	0.31	---	PASS
GSM1900	810	0.244	0.31	---	PASS
EGPRS1900	512	0.249	0.32	---	PASS
EGPRS1900	661	0.25	0.32	---	PASS
EGPRS1900	810	0.252	0.32	---	PASS

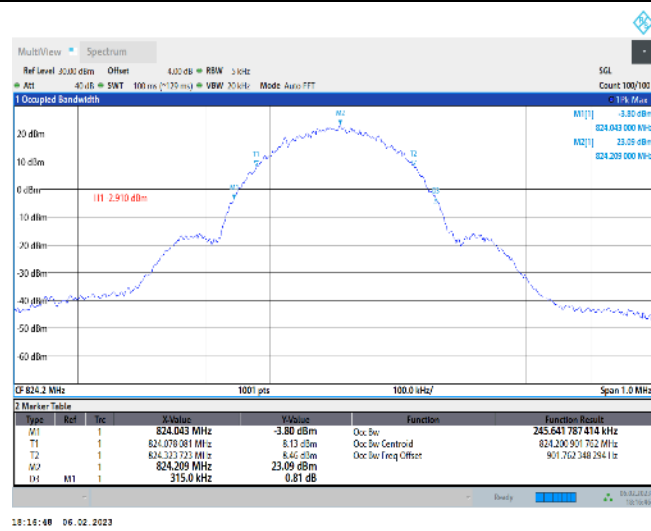
Test Graphs



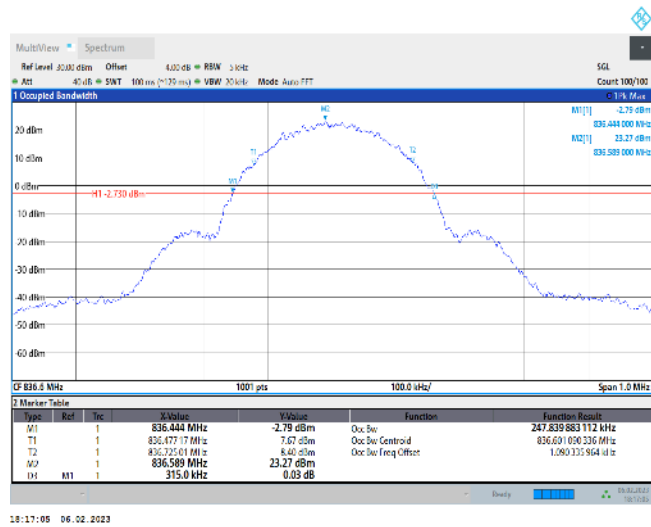
GSM850-251



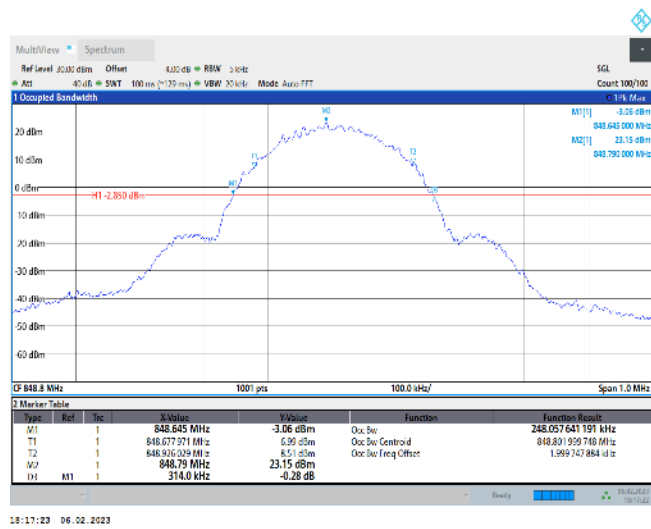
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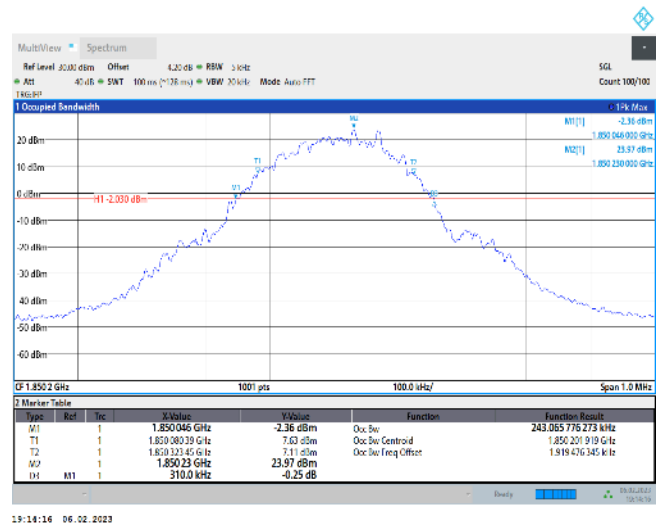
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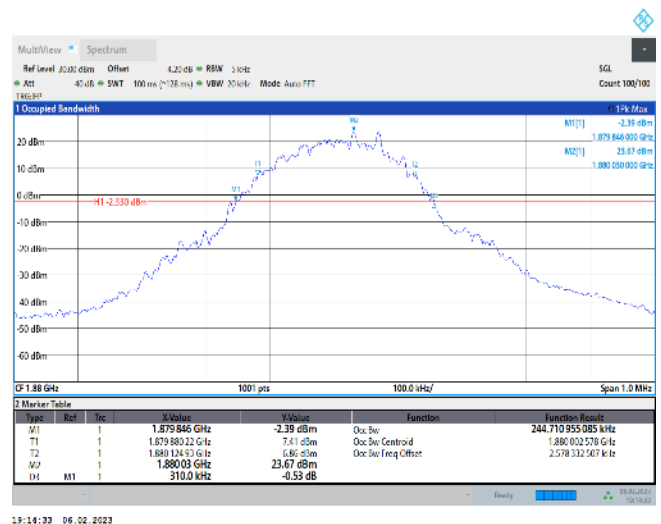
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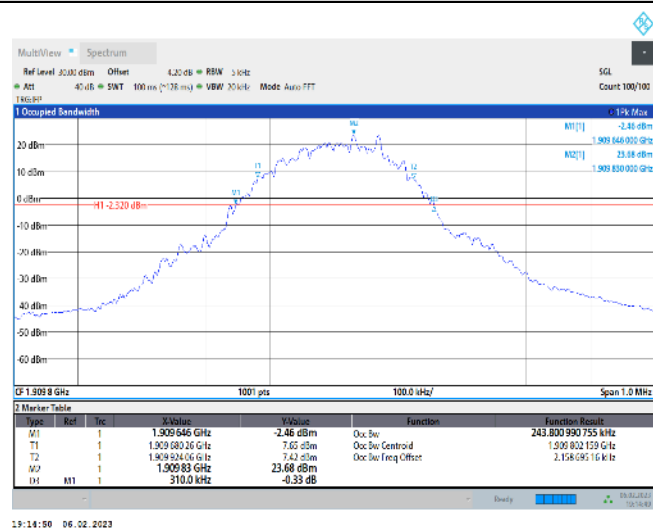
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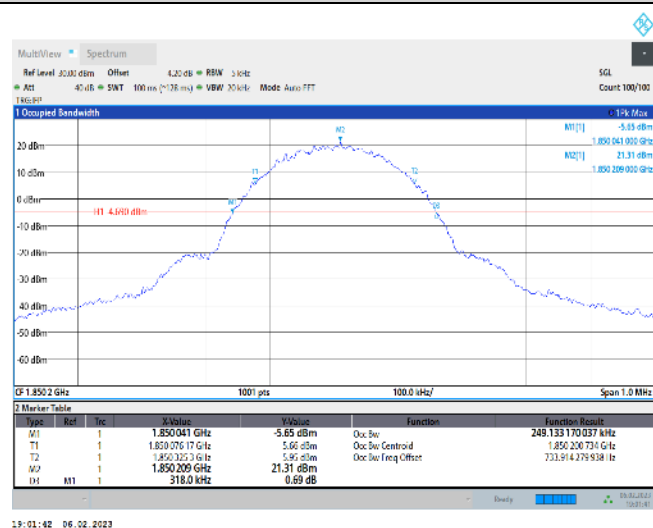
GSM1900-661



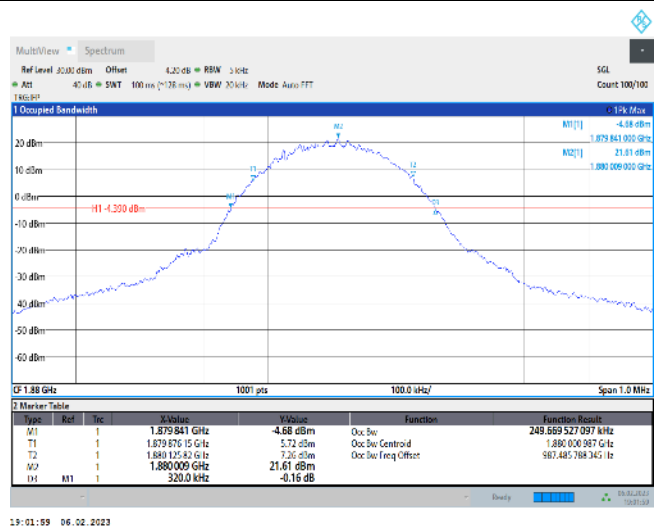
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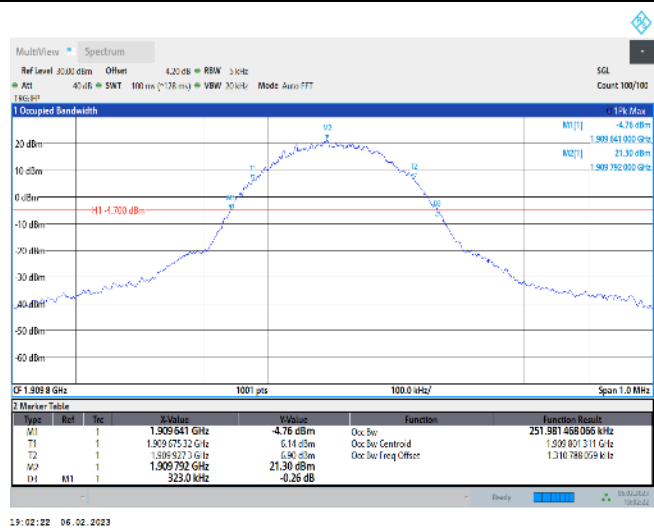
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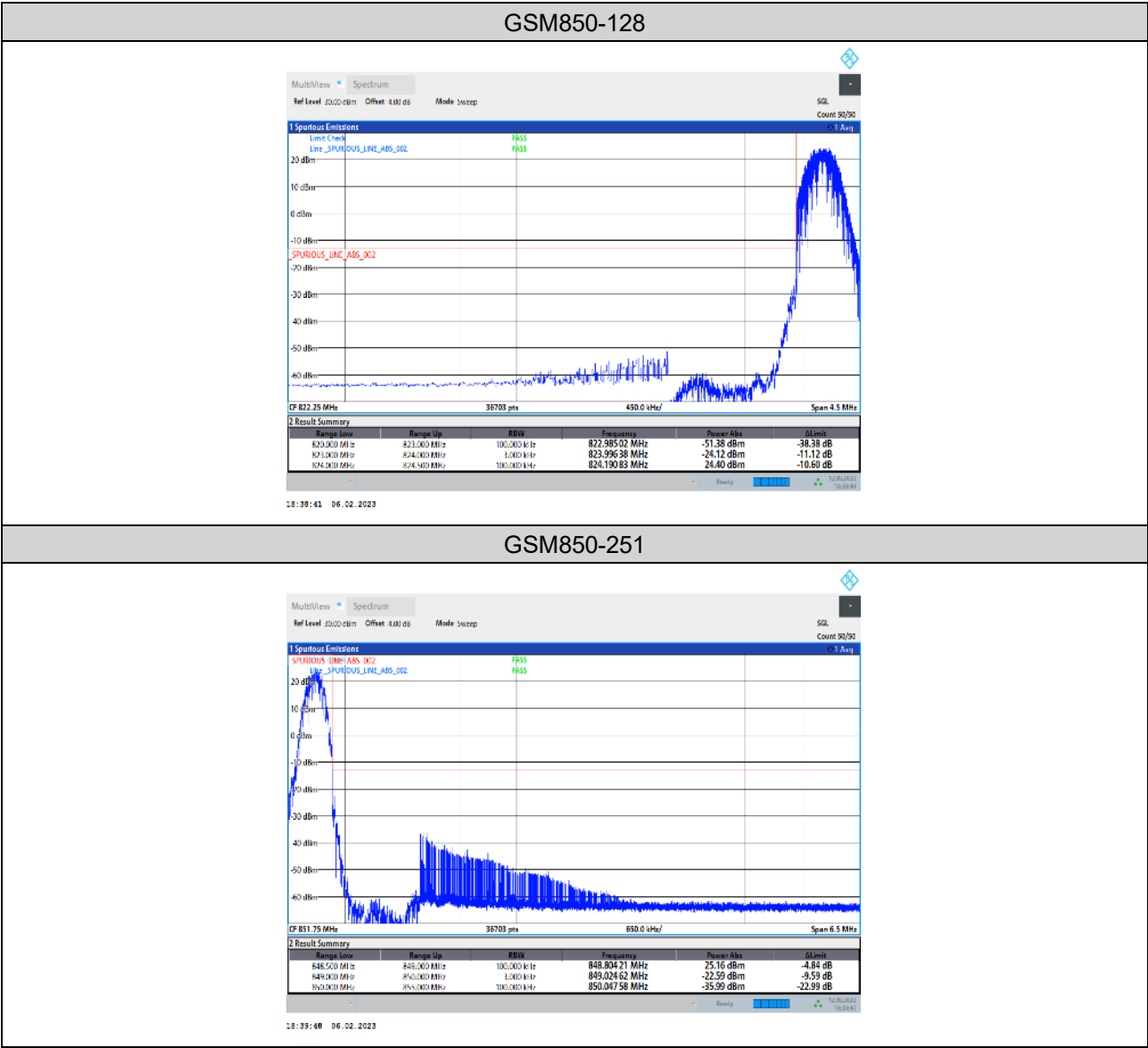


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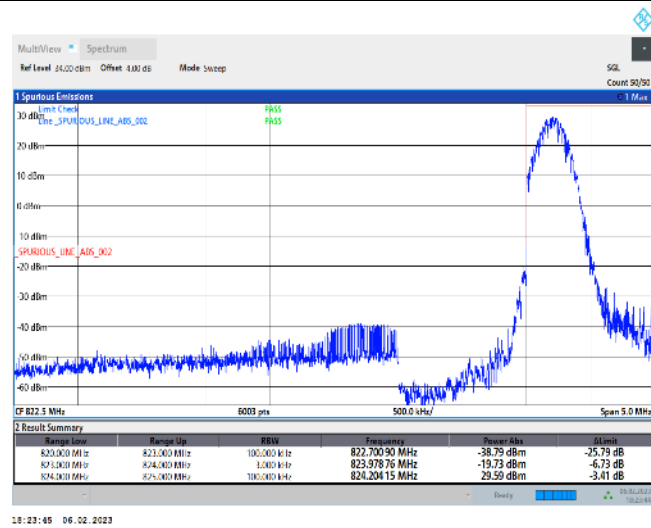


Band Edge

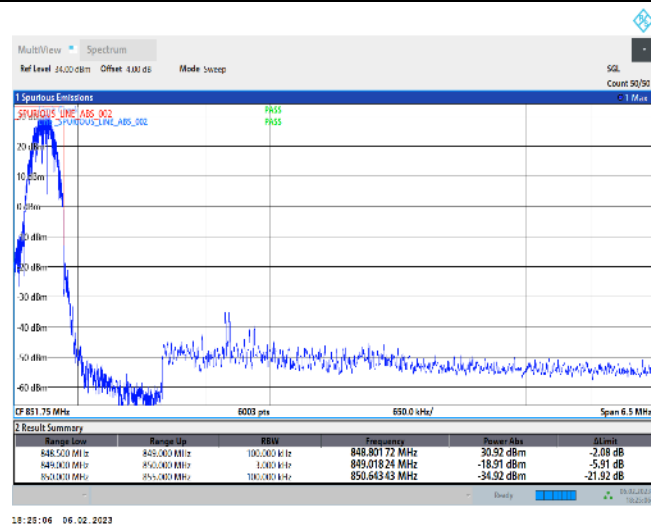
Test Graphs



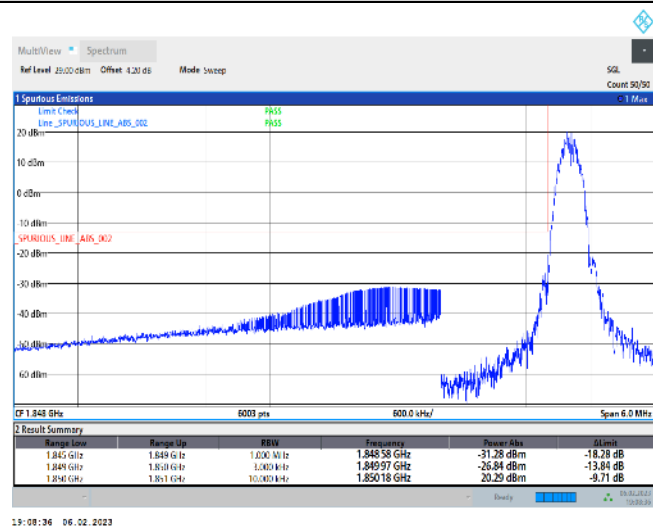
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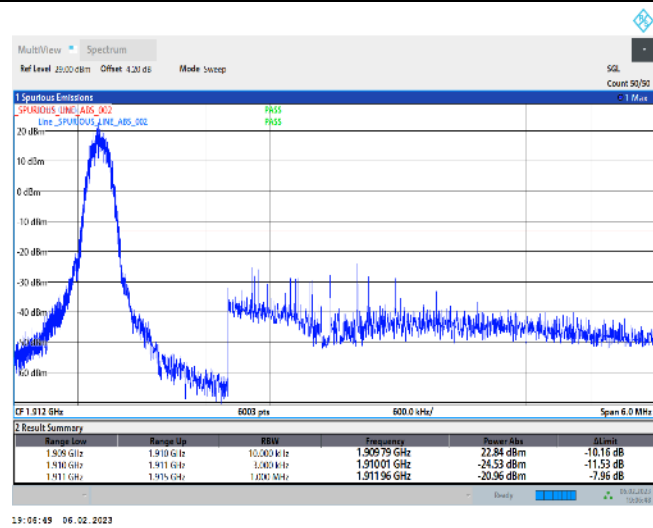
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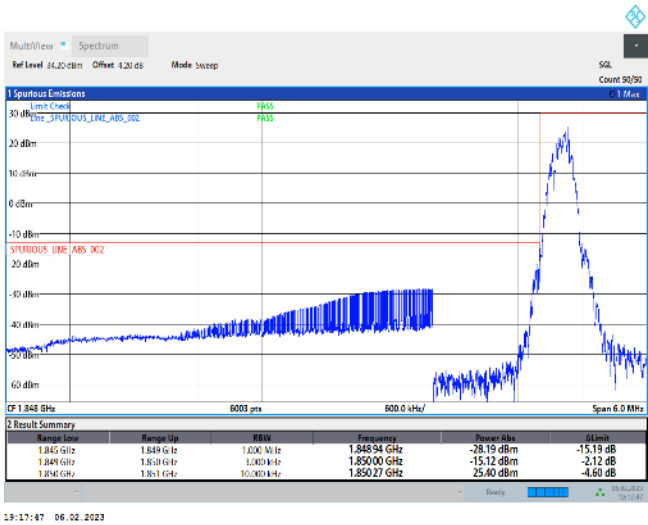
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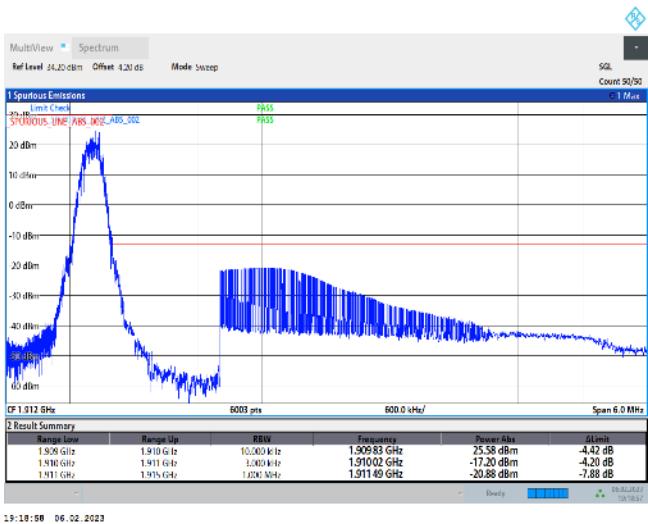
GSM1900-810



EGPRS1900-512

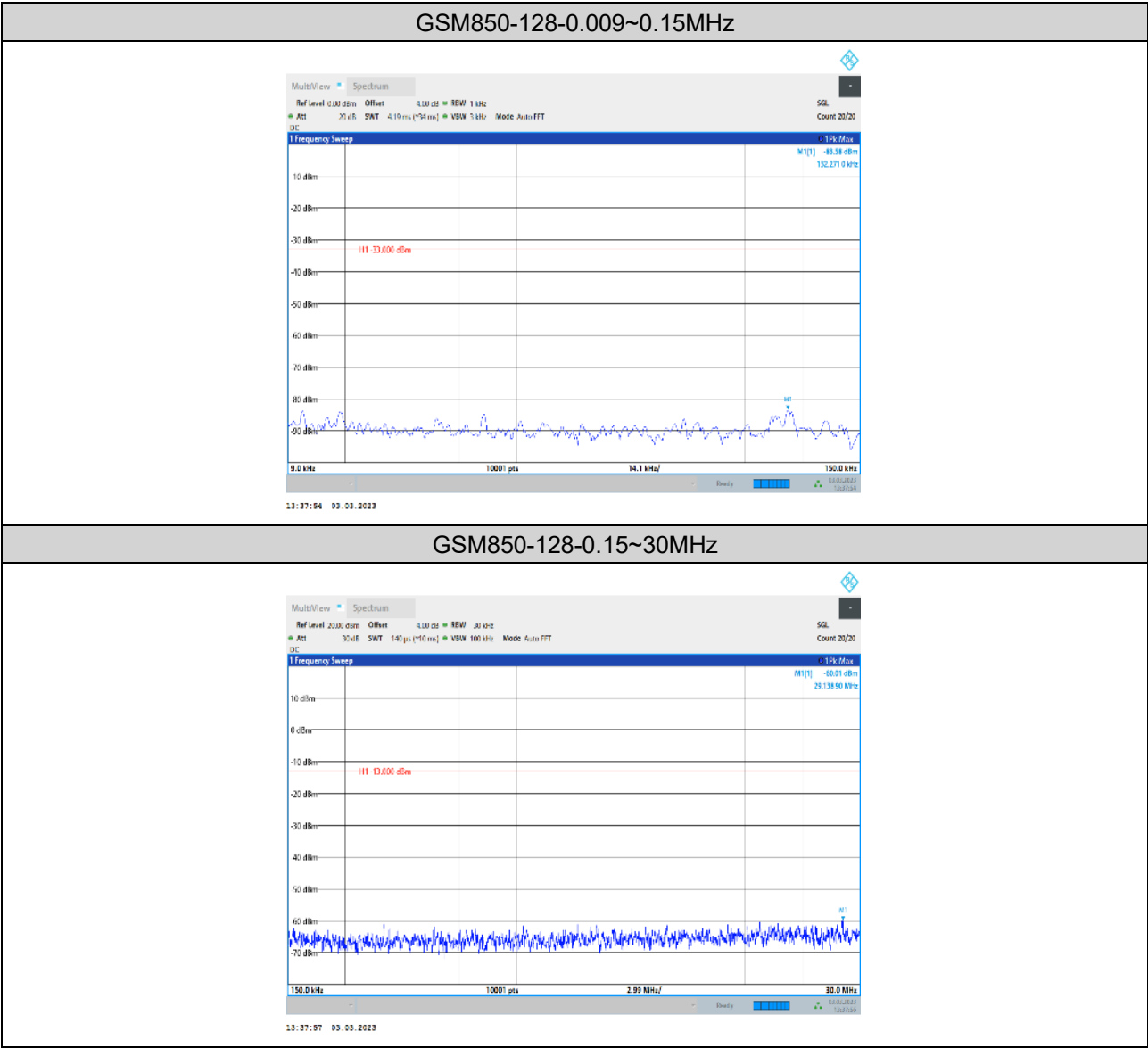


EGPRS1900-810

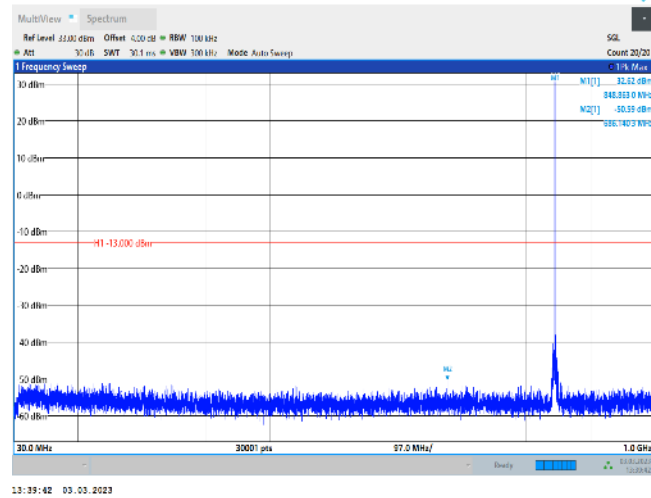


Conducted Spurious Emission

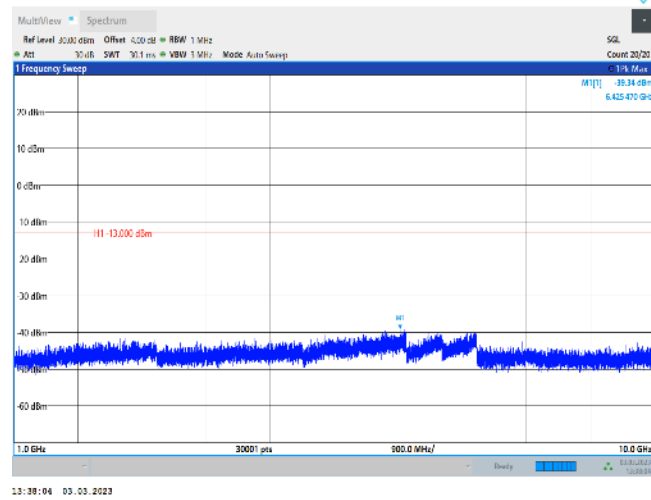
Test Graphs



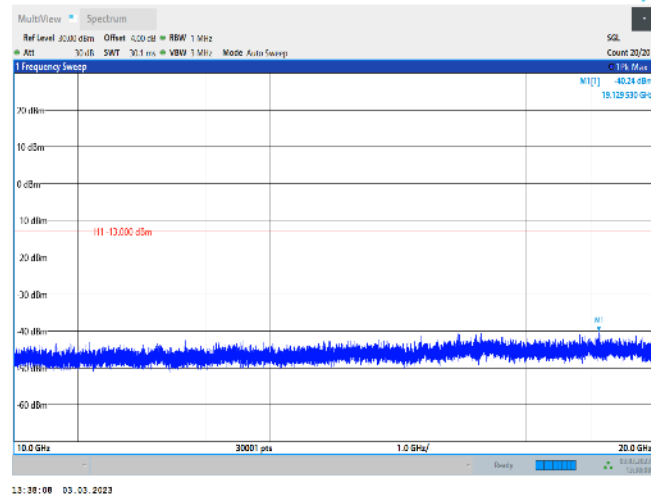
GSM850-128-30~1000MHz



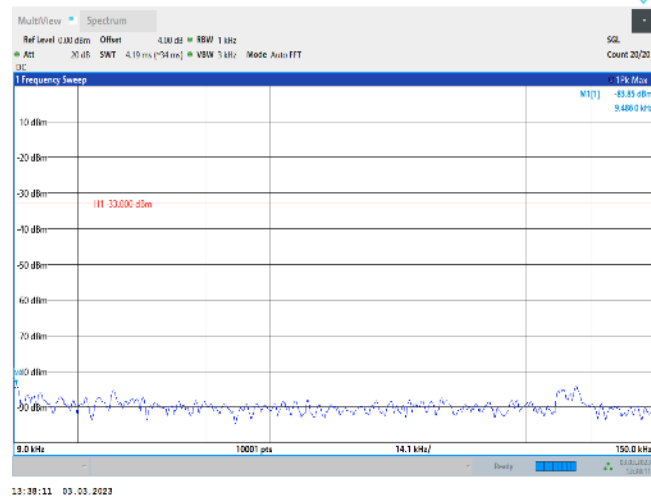
GSM850-128-1000~10000MHz



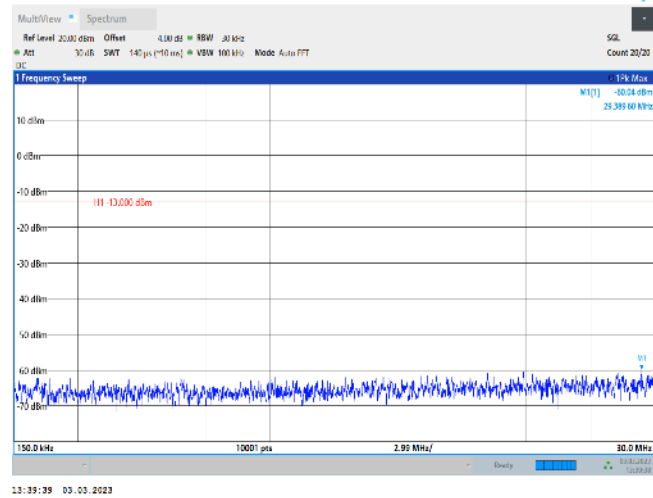
GSM850-128-10000~20000MHz



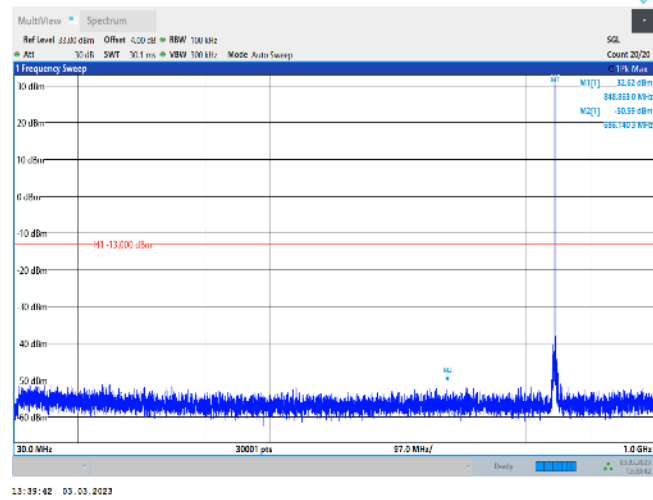
GSM850-190-0.009~0.15MHz



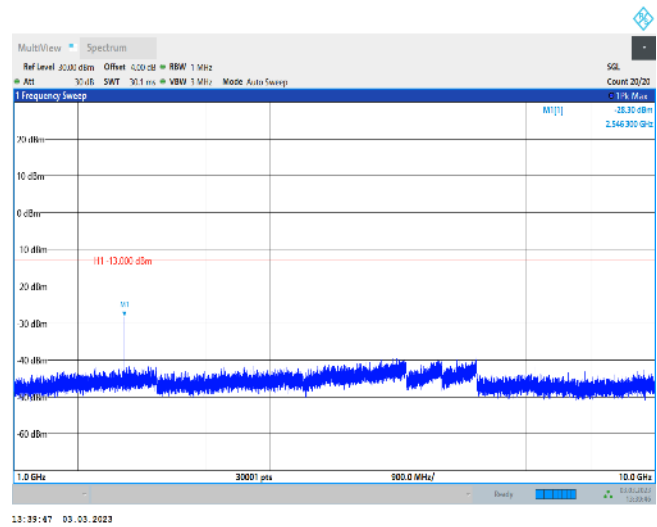
GSM850-190-0.15~30MHz



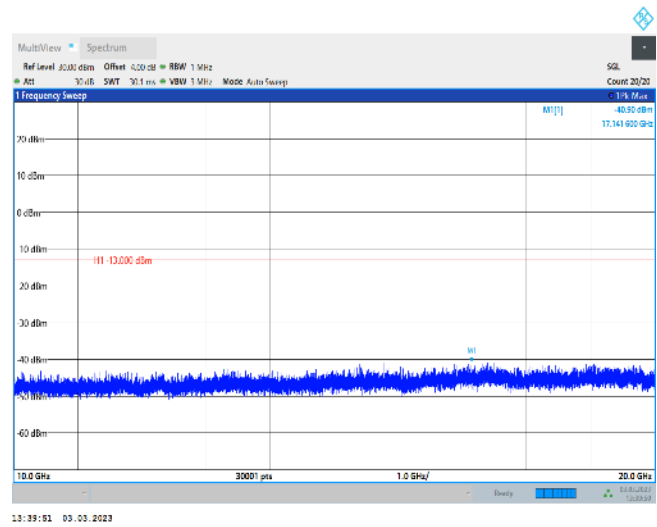
GSM850-190-30~1000MHz



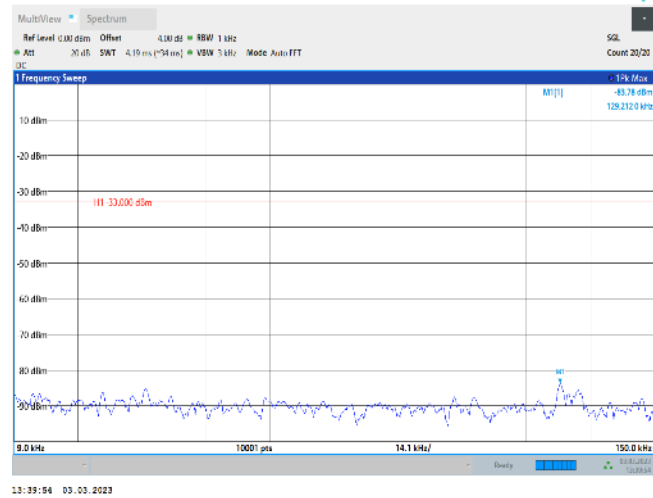
GSM850-190-1000~10000MHz



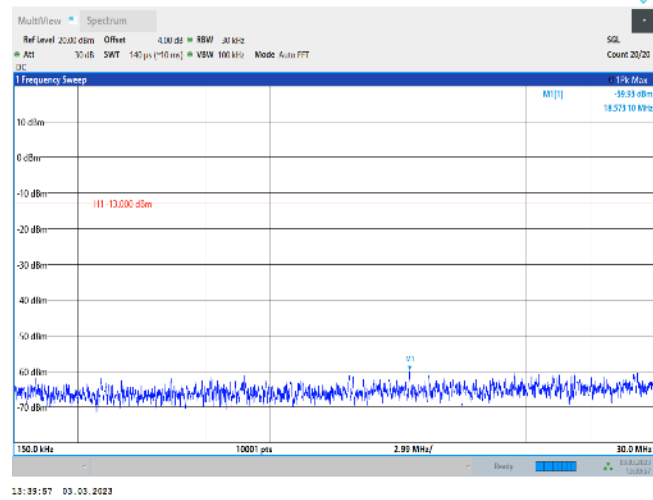
GSM850-190-10000~20000MHz



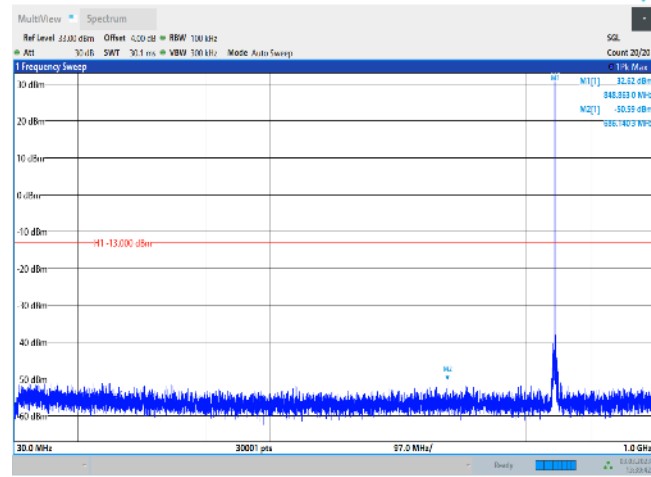
GSM850-251-0.009~0.15MHz



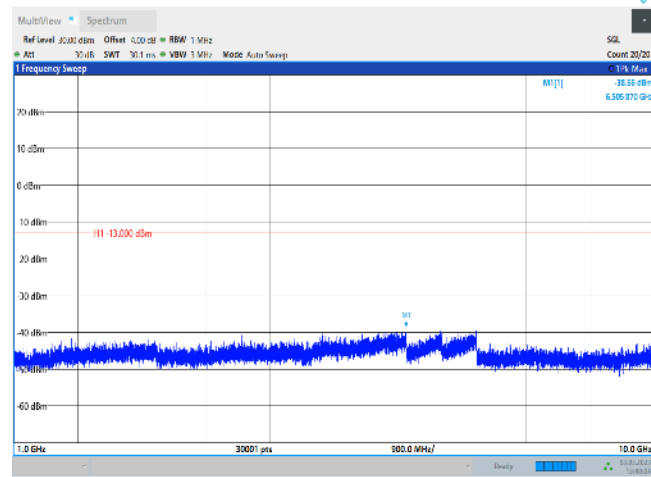
GSM850-251-0.15~30MHz



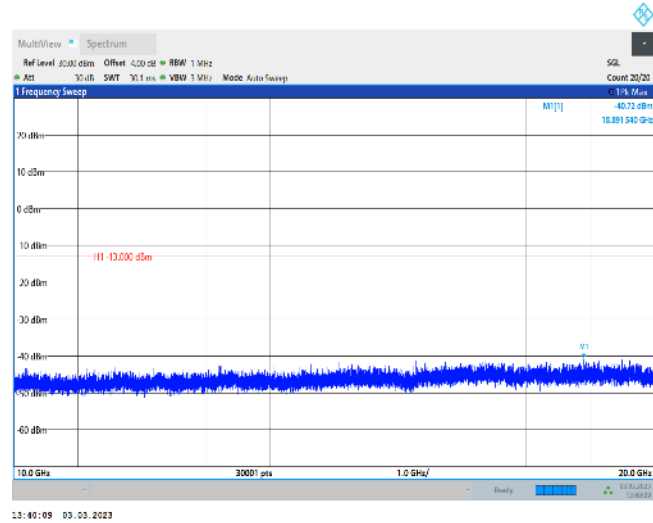
GSM850-251-30~1000MHz



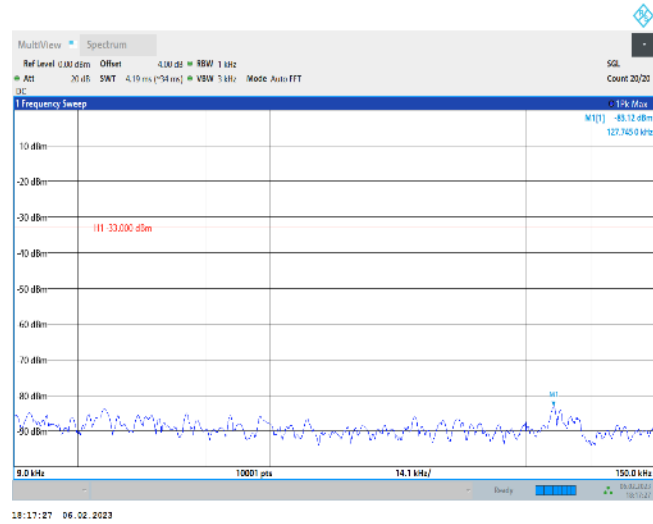
GSM850-251-1000~10000MHz



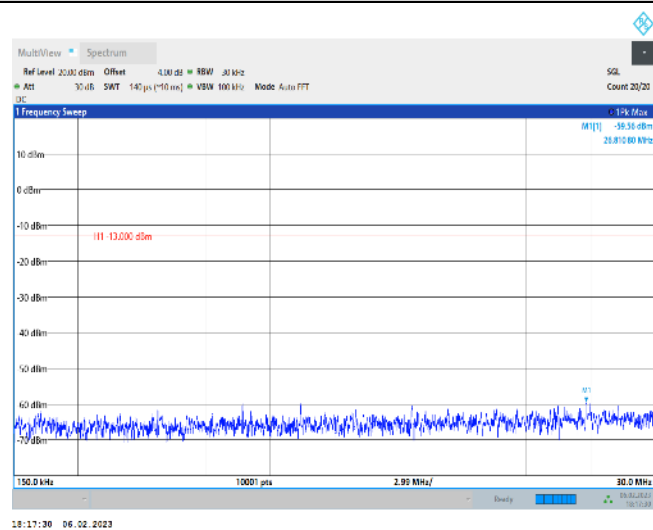
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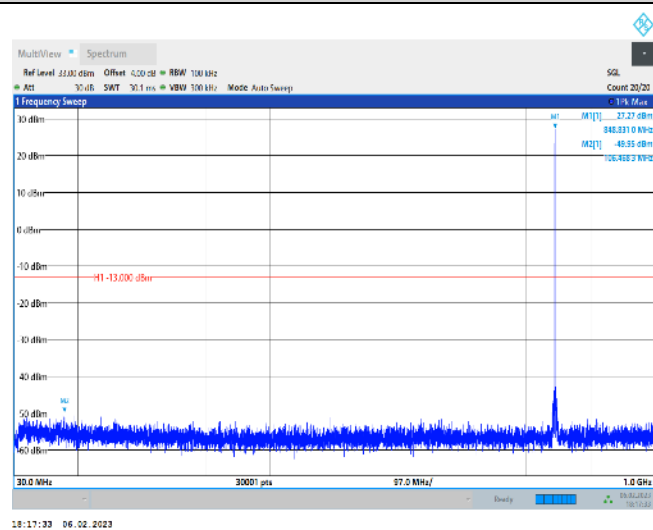
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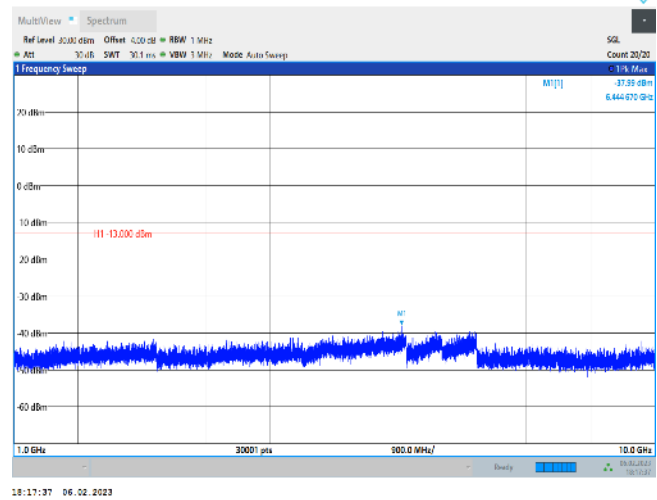
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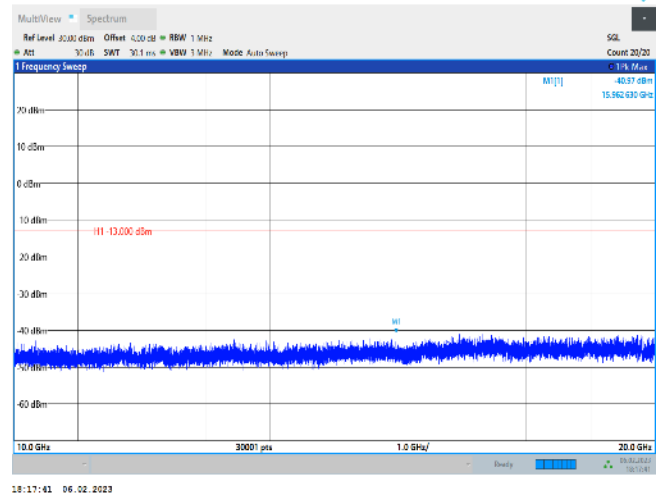
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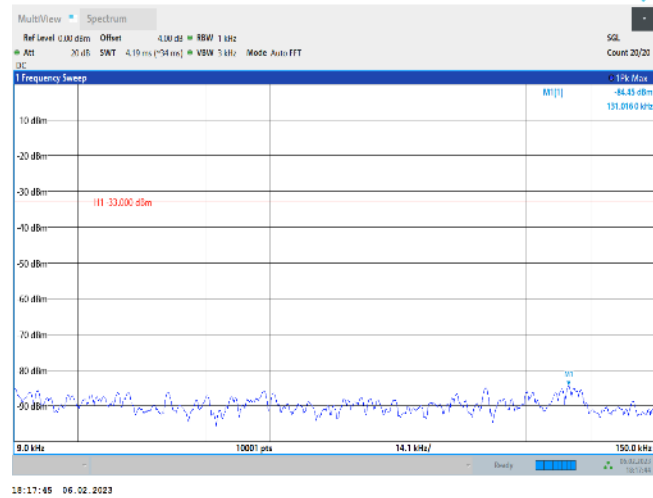
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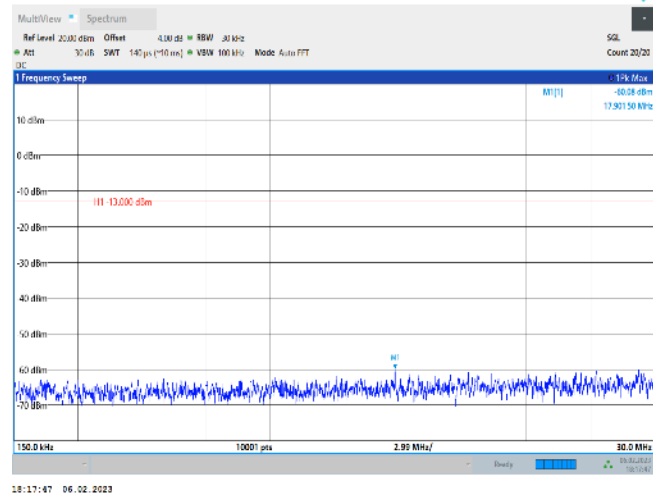
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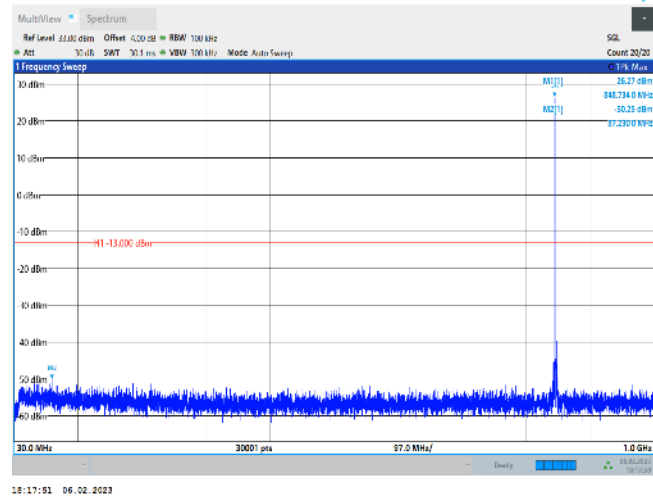
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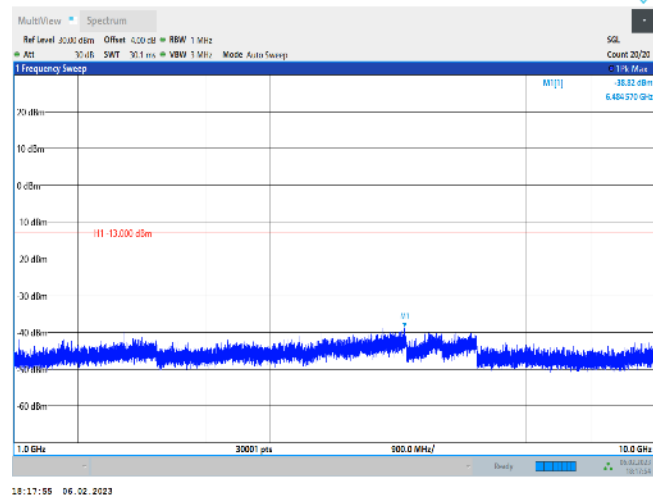
EGPRS850-190-0.15~30MHz



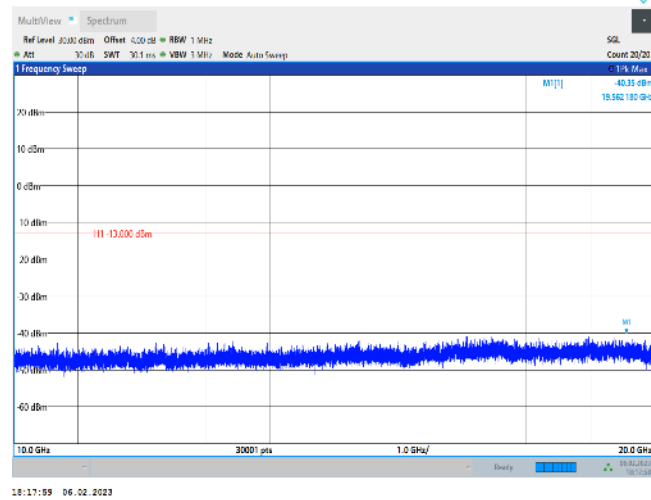
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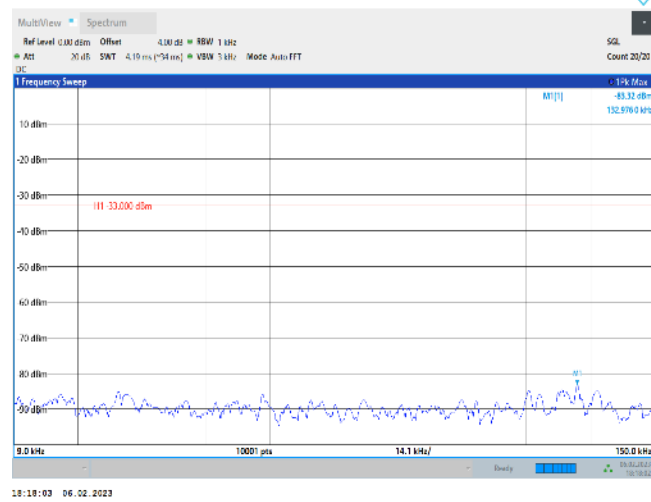
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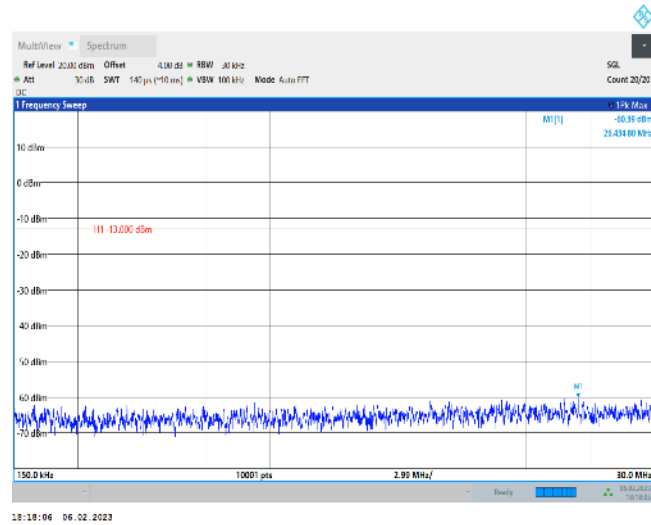
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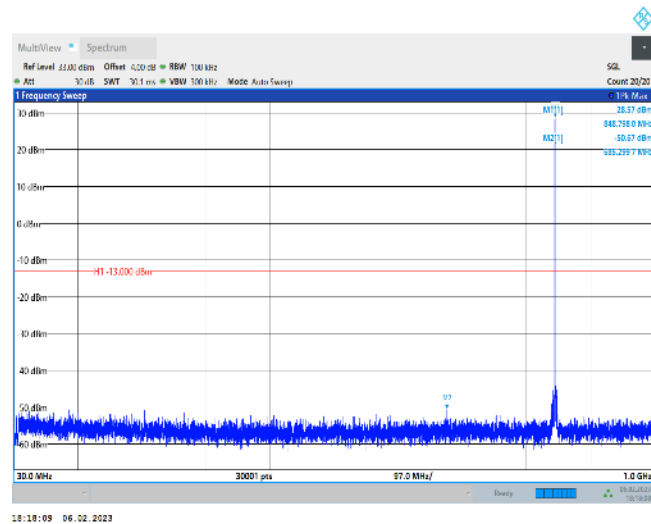
EGPRS850-251-0.009~0.15MHz



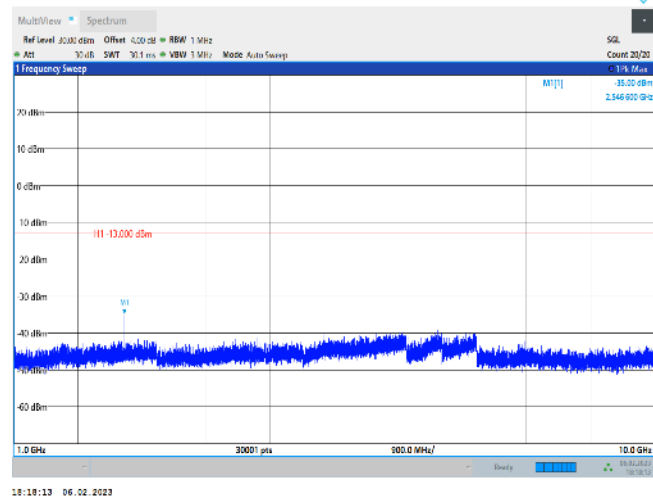
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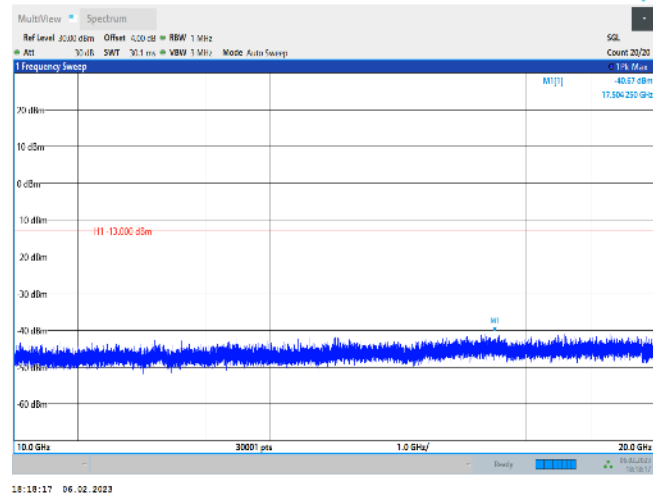
EGPRS850-251-30~1000MHz



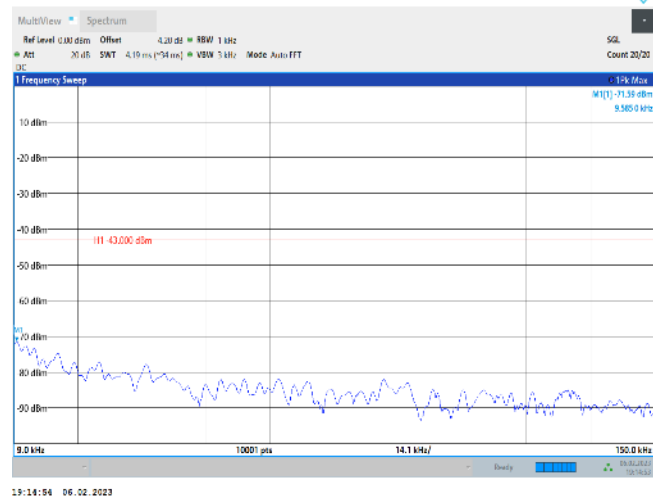
EGPRS850-251-1000~10000MHz



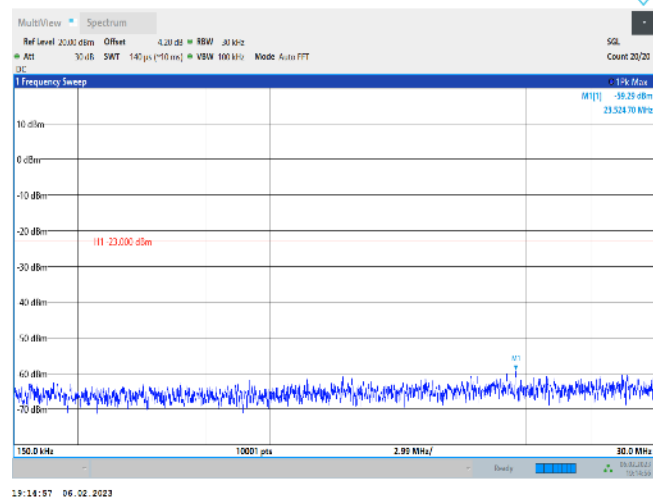
EGPRS850-251-10000~20000MHz



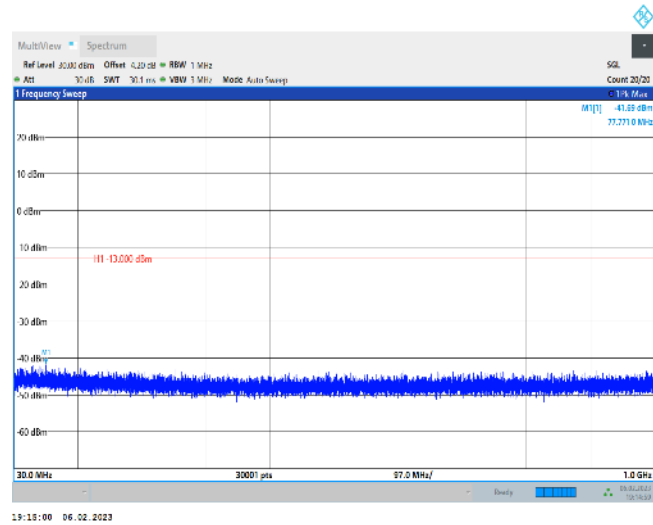
GSM1900-512-0.009~0.15MHz



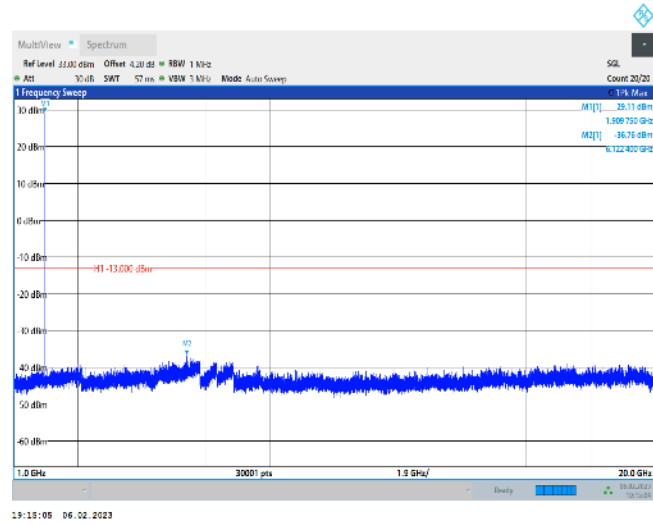
GSM1900-512-0.15~30MHz



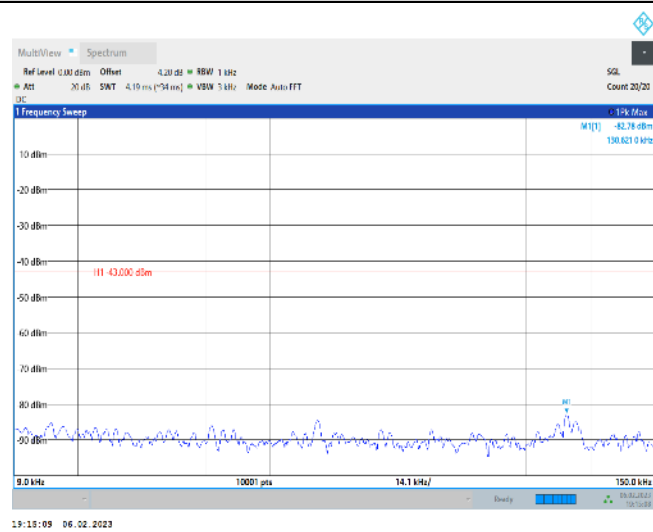
GSM1900-512-30~1000MHz



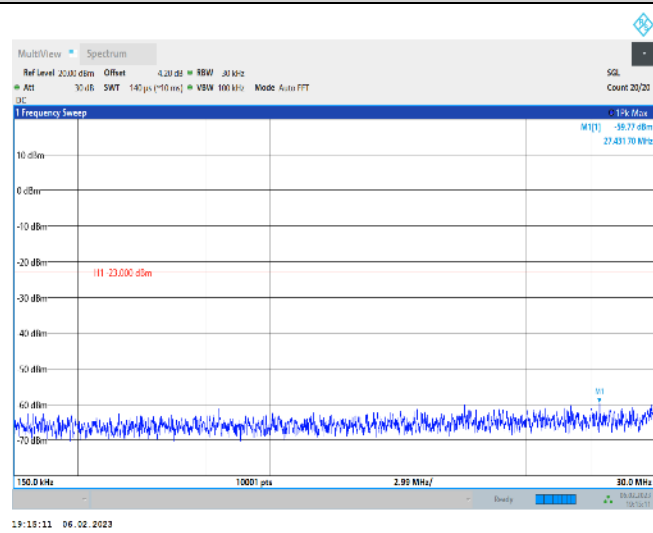
GSM1900-512-1000~20000MHz



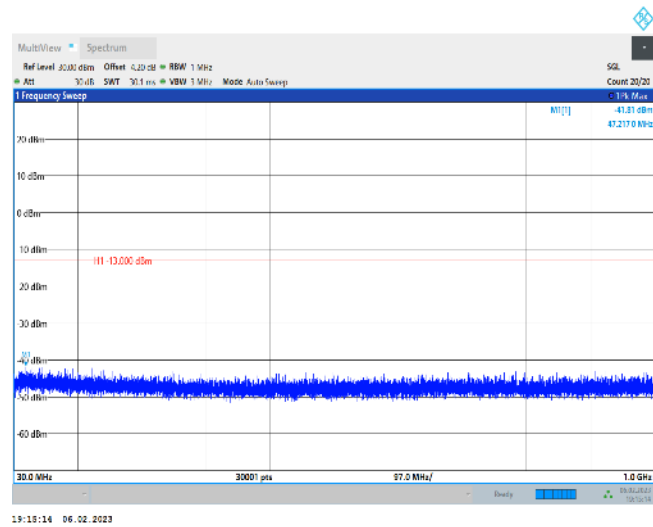
GSM1900-661-0.009~0.15MHz



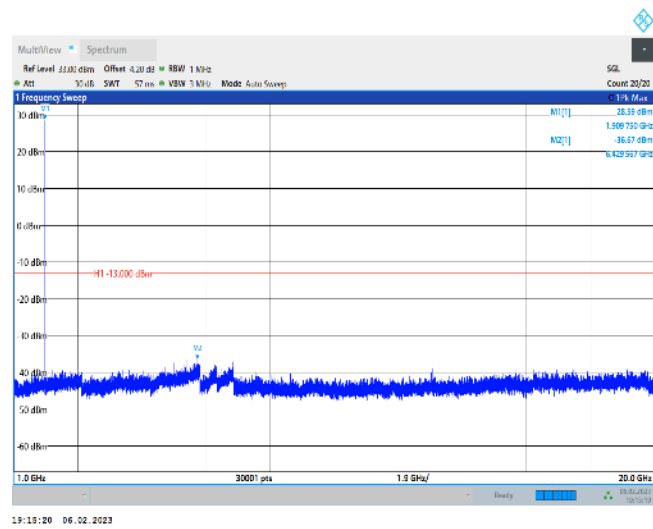
GSM1900-661-0.15~30MHz



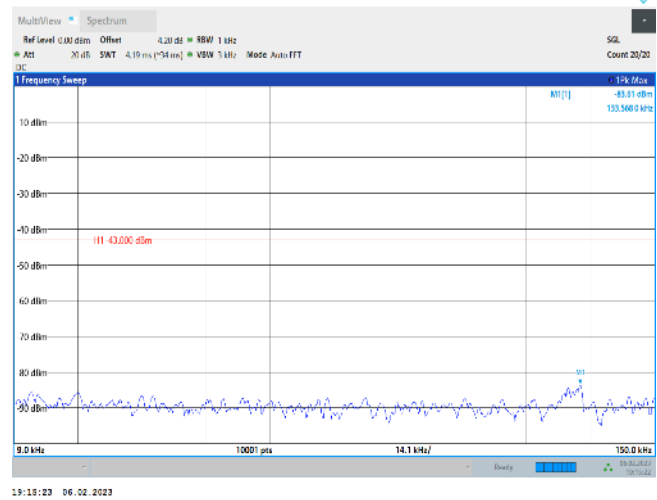
GSM1900-661-30~1000MHz



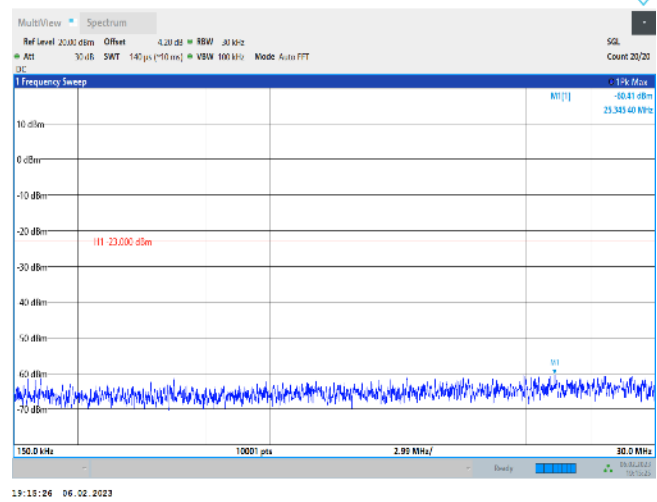
GSM1900-661-1000~20000MHz



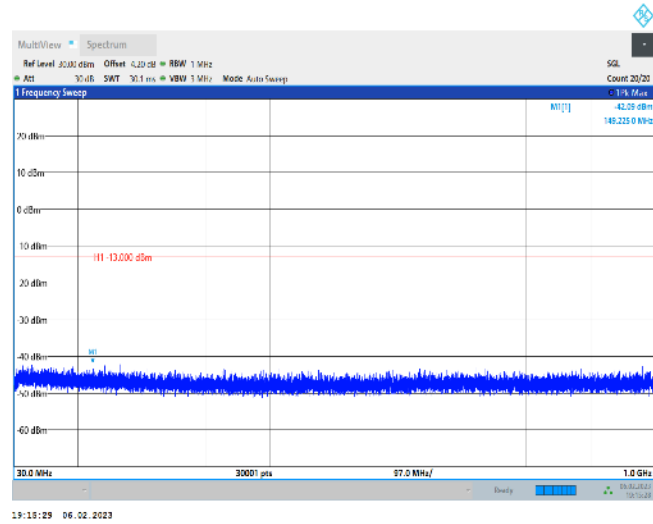
GSM1900-810-0.009~0.15MHz



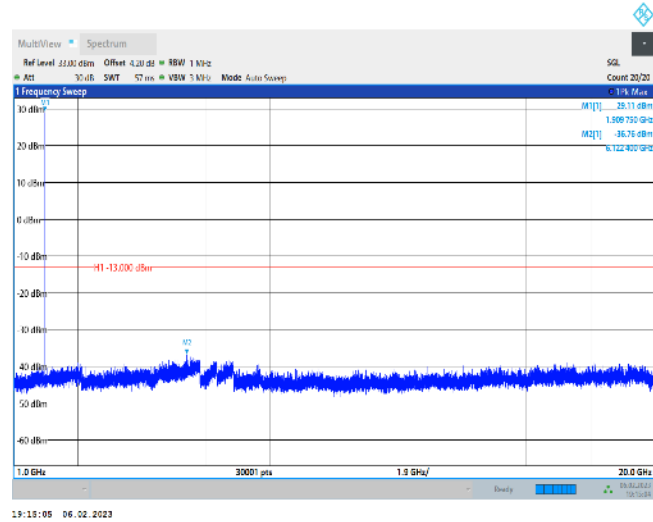
GSM1900-810-0.15~30MHz



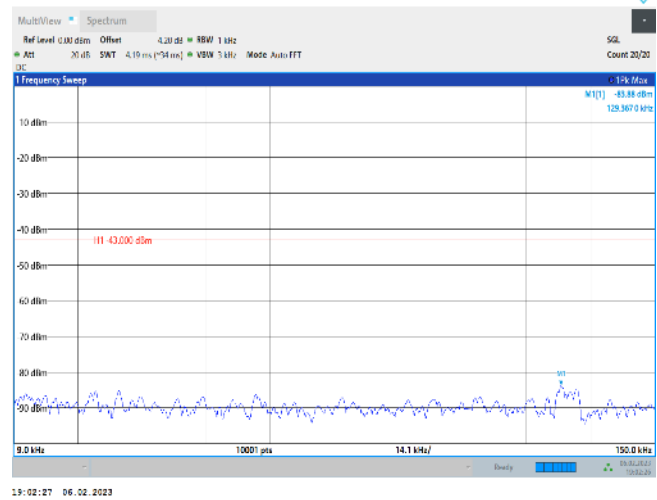
GSM1900-810-30~1000MHz



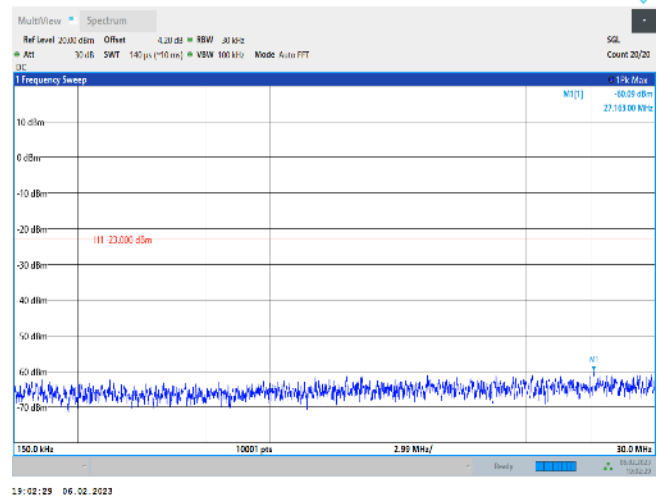
GSM1900-810-1000~20000MHz



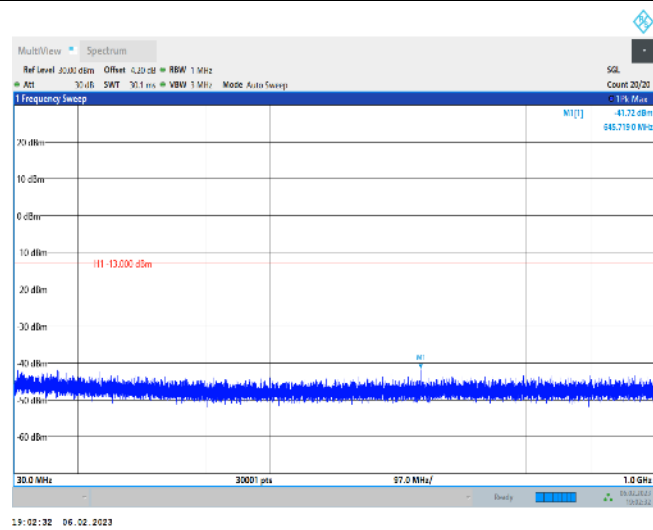
EGPRS1900-512-0.009~0.15MHz



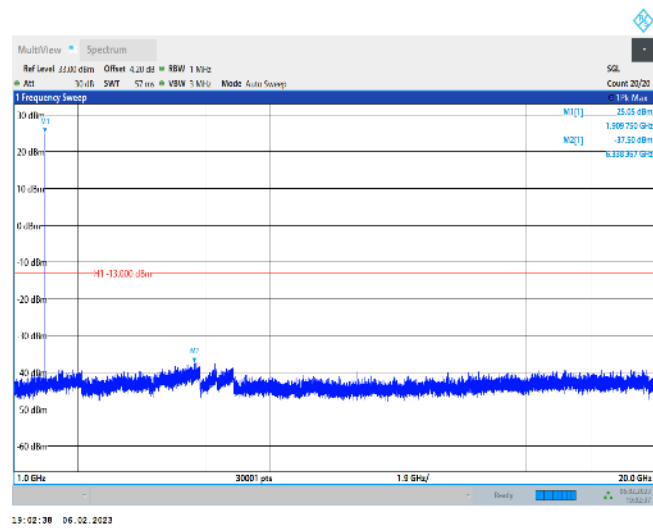
EGPRS1900-512-0.15~30MHz



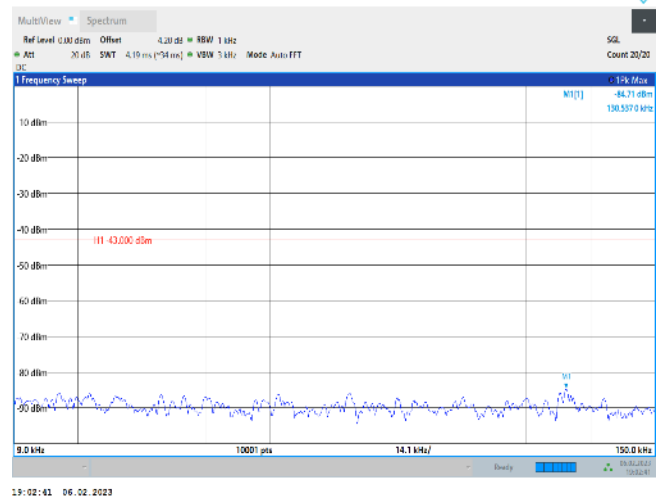
EGPRS1900-512-30~1000MHz



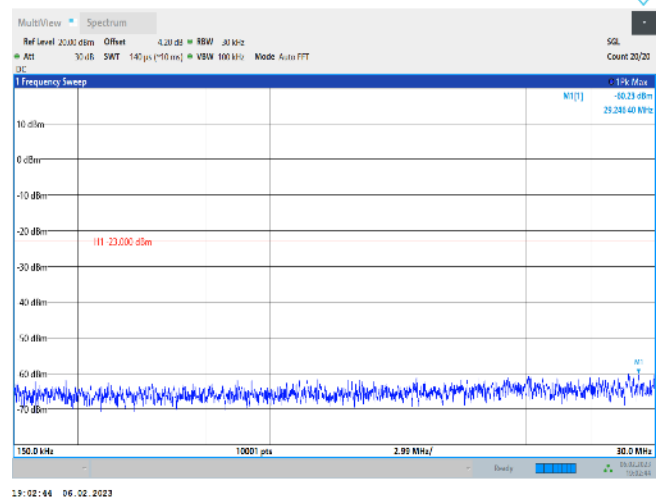
EGPRS1900-512-1000~20000MHz



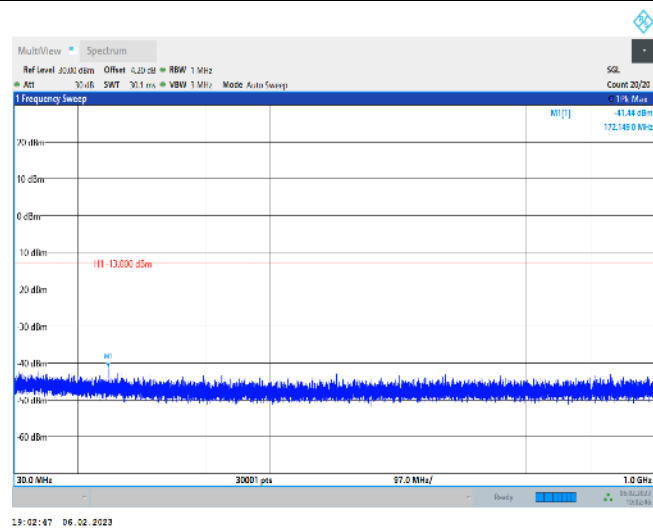
EGPRS1900-661-0.009~0.15MHz



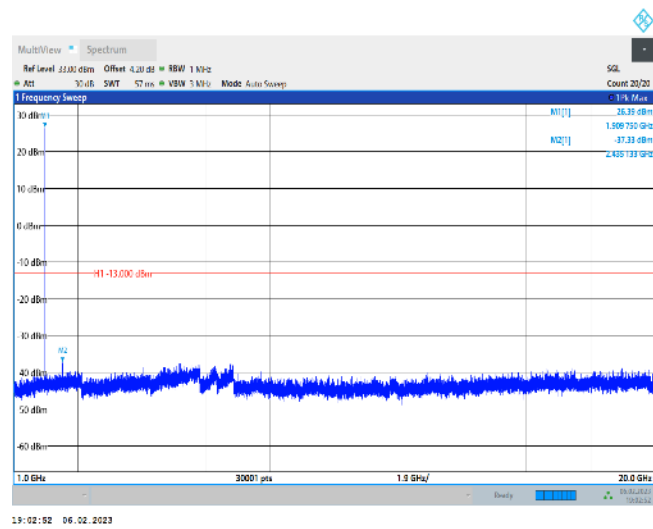
EGPRS1900-661-0.15~30MHz



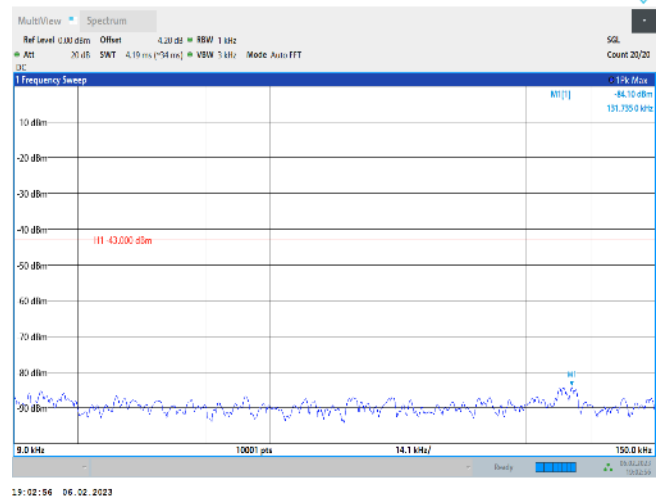
EGPRS1900-661-30~1000MHz



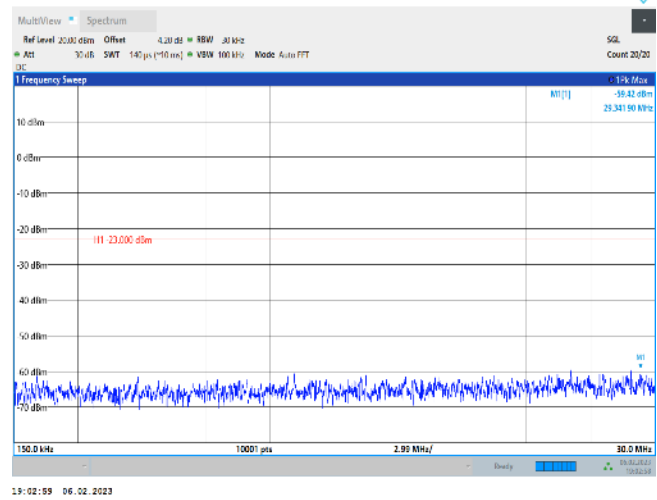
EGPRS1900-661-1000~20000MHz



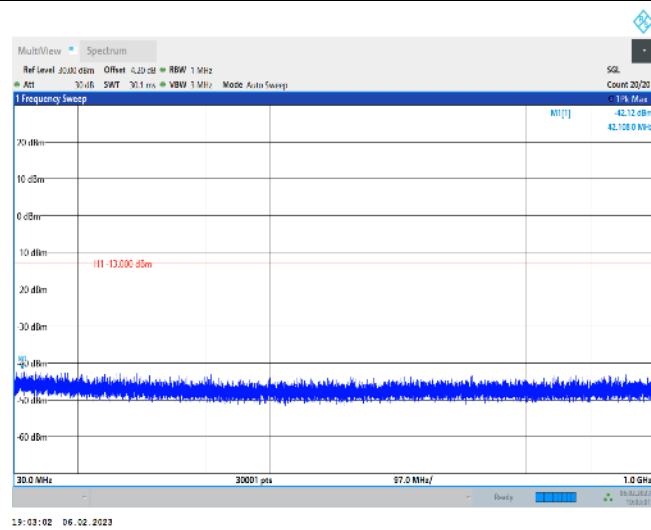
EGPRS1900-810-0.009~0.15MHz



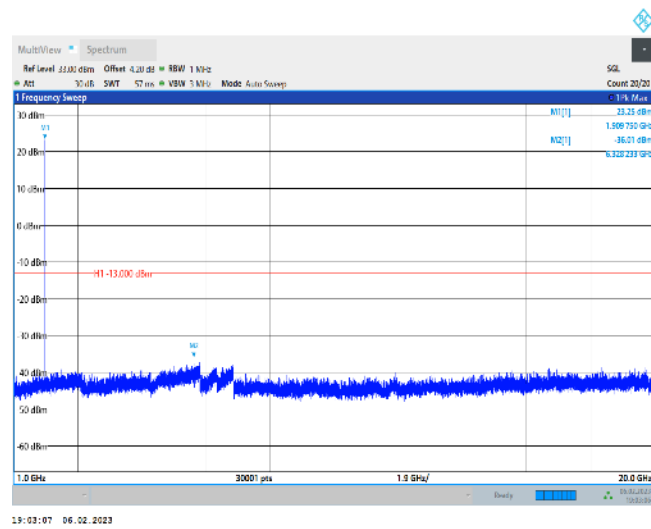
EGPRS1900-810-0.15~30MHz



EGPRS1900-810-30~1000MHz



EGPRS1900-810-1000~20000MHz



Field Strength of Spurious Radiation

Test Band = GSM850

Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1648.4	70.46	-48.38	25.58	-47.61	-13.00	34.61	263	204	Horizontal
2	2472.6	68.06	-46.97	27.85	-46.32	-13.00	33.32	285	204	Horizontal
3	3296.8	43.48	-46.11	29.48	-68.41	-13.00	55.41	241	346	Horizontal
4	4121	42.02	-45.35	30.79	-67.79	-13.00	54.79	142	95	Horizontal
5	4945.2	41.87	-45.09	32.47	-66.01	-13.00	53.01	263	331	Horizontal
6	5769.4	41.80	-43.53	33.46	-63.52	-13.00	50.52	221	219	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1648.4	79.40	-48.38	25.58	-38.67	-13.00	25.67	285	168	Vertical
2	2472.6	74.04	-46.97	27.85	-40.34	-13.00	27.34	241	231	Vertical
3	3296.8	50.05	-46.11	29.48	-61.84	-13.00	48.84	142	360	Vertical
4	4121	41.97	-45.35	30.79	-67.84	-13.00	54.84	263	325	Vertical
5	4945.2	41.90	-45.09	32.47	-65.98	-13.00	52.98	222	277	Vertical
6	5769.4	42.14	-43.53	33.46	-63.18	-13.00	50.18	201	246	Vertical

Test Band = GSM850
Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1672.8	71.20	-48.32	25.56	-46.81	-13.00	33.81	254	219	Horizontal
2	2509.2	66.39	-46.79	27.93	-47.72	-13.00	34.72	142	0	Horizontal
3	3345.6	44.07	-46.19	29.46	-67.92	-13.00	54.92	296	329	Horizontal
4	4182	41.09	-45.16	30.89	-68.44	-13.00	55.44	265	98	Horizontal
5	5018.4	41.89	-44.93	32.60	-65.70	-13.00	52.70	284	251	Horizontal
6	5854.8	41.66	-43.34	33.74	-63.20	-13.00	50.20	114	1	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1672.8	77.52	-48.32	25.56	-40.49	-13.00	27.49	241	152	Vertical
2	2509.2	72.04	-46.79	27.93	-42.07	-13.00	29.07	142	231	Vertical
3	3345.6	47.52	-46.19	29.46	-64.47	-13.00	51.47	265	360	Vertical
4	4182	41.77	-45.16	30.89	-67.76	-13.00	54.76	285	200	Vertical
5	5018.4	42.52	-44.93	32.60	-65.07	-13.00	52.07	241	360	Vertical
6	5854.8	41.40	-43.34	33.74	-63.46	-13.00	50.46	142	13	Vertical

Test Band = GSM850
Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2546.2222	64.51	-46.97	28.06	-49.66	-13.00	36.66	102	17	Horizontal
2	1697.6	66.18	-48.25	25.55	-51.78	-13.00	38.78	265	1	Horizontal
3	3395.2	43.30	-46.27	29.44	-68.79	-13.00	55.79	241	2	Horizontal
4	4244	41.36	-45.11	30.99	-68.02	-13.00	55.02	142	143	Horizontal
5	5092.8	43.09	-44.62	32.60	-64.19	-13.00	51.19	321	64	Horizontal
6	5941.6	42.82	-43.35	34.01	-61.78	-13.00	48.78	142	95	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1697.6	75.96	-48.25	25.55	-42.00	-13.00	29.00	162	343	Vertical
2	2546.4	70.19	-46.97	28.06	-43.98	-13.00	30.98	241	360	Vertical
3	3395.2	45.96	-46.27	29.44	-66.13	-13.00	53.13	142	266	Vertical
4	4244	41.71	-45.11	30.99	-67.67	-13.00	54.67	255	360	Vertical
5	5092.8	42.48	-44.62	32.60	-64.80	-13.00	51.80	286	107	Vertical
6	5941.6	42.37	-43.35	34.01	-62.23	-13.00	49.23	224	45	Vertical

Test Band = GSM1900
Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3700.4	43.03	-45.70	29.88	-68.05	-13.00	55.05	126	3	Horizontal
2	5550.6	40.58	-43.87	32.76	-65.79	-13.00	52.79	285	117	Horizontal
3	7400.8	38.62	-41.98	36.44	-62.18	-13.00	49.18	142	349	Horizontal
4	9251	33.75	-38.39	38.57	-61.33	-13.00	48.33	263	360	Horizontal
5	11101.2	31.47	-35.37	39.50	-59.67	-13.00	46.67	221	286	Horizontal
6	12951.4	33.00	-34.89	39.55	-57.60	-13.00	44.60	185	152	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3700.4	52.38	-45.70	29.88	-58.70	-13.00	45.70	296	248	Vertical
2	5550.6	41.74	-43.87	32.76	-64.63	-13.00	51.63	265	265	Vertical
3	7400.8	38.74	-41.98	36.44	-62.06	-13.00	49.06	241	215	Vertical
4	9251	33.57	-38.39	38.57	-61.51	-13.00	48.51	142	198	Vertical
5	11101.2	31.82	-35.37	39.50	-59.32	-13.00	46.32	263	149	Vertical
6	12951.4	33.11	-34.89	39.55	-57.49	-13.00	44.49	224	265	Vertical

Test Band = GSM1900
Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3760	41.14	-45.54	30.03	-69.63	-13.00	56.63	126	360	Horizontal
2	5640	40.42	-43.81	33.05	-65.60	-13.00	52.60	254	360	Horizontal
3	7520	37.87	-41.53	36.54	-62.38	-13.00	49.38	182	331	Horizontal
4	9400	35.03	-38.16	38.56	-59.83	-13.00	46.83	263	298	Horizontal
5	11280	30.66	-35.28	39.32	-60.56	-13.00	47.56	221	231	Horizontal
6	13160	30.47	-34.68	39.70	-59.77	-13.00	46.77	111	133	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3760	41.55	-45.54	30.03	-69.22	-13.00	56.22	241	16	Vertical
2	5640	40.40	-43.81	33.05	-65.62	-13.00	52.62	254	360	Vertical
3	7520	38.07	-41.53	36.54	-62.18	-13.00	49.18	254	66	Vertical
4	9400	35.13	-38.16	38.56	-59.73	-13.00	46.73	112	335	Vertical
5	11280	30.61	-35.28	39.32	-60.61	-13.00	47.61	221	285	Vertical
6	13160	30.78	-34.68	39.70	-59.46	-13.00	46.46	196	3	Vertical

Test Band = GSM1900
Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3819.6	42.16	-45.44	30.17	-68.37	-13.00	55.37	162	360	Horizontal
2	5729.5	39.62	-43.65	33.34	-65.96	-13.00	52.96	254	360	Horizontal
3	7639.2	37.22	-41.29	36.78	-62.55	-13.00	49.55	142	129	Horizontal
4	9549	36.89	-38.13	38.55	-57.95	-13.00	44.95	233	112	Horizontal
5	11458.8	32.19	-35.27	39.14	-59.19	-13.00	46.19	268	358	Horizontal
6	13368.6	32.07	-35.13	39.82	-58.50	-13.00	45.50	203	295	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3819.6	46.45	-45.44	30.17	-64.08	-13.00	51.08	196	32	Vertical
2	5729.5	39.50	-43.65	33.34	-66.08	-13.00	53.08	265	360	Vertical
3	7639.2	37.29	-41.29	36.78	-62.48	-13.00	49.48	142	358	Vertical
4	9549	36.68	-38.13	38.55	-58.16	-13.00	45.16	263	181	Vertical
5	11458.8	31.75	-35.27	39.14	-59.63	-13.00	46.63	221	353	Vertical
6	13368.6	32.00	-35.13	39.82	-58.57	-13.00	45.57	185	148	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

Test on the worst case:

Test Band = GSM850_ TM1

Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1444	46.61	-48.14	25.24	-71.55	-13.00	58.55	Horizontal
2	2075.4286	46.17	-47.76	26.35	-70.50	-13.00	57.50	Horizontal
3	2964.5714	44.43	-46.54	28.04	-69.33	-13.00	56.33	Horizontal
4	4482.2857	43.61	-45.65	30.56	-66.74	-13.00	53.74	Horizontal
5	6341.7143	43.12	-44.66	33.56	-63.24	-13.00	50.24	Horizontal
6	7327.4286	42.41	-43.41	35.92	-60.35	-13.00	47.35	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1453.7143	46.31	-48.17	25.25	-71.87	-13.00	58.87	Vertical
2	1834.8571	45.89	-47.98	25.70	-71.65	-13.00	58.65	Vertical
3	2537.1429	45.23	-47.14	27.27	-69.91	-13.00	56.91	Vertical
4	3137.7143	44.11	-46.58	28.24	-69.49	-13.00	56.49	Vertical
5	4281.7143	43.16	-45.81	30.08	-67.84	-13.00	54.84	Vertical
6	6031.4286	43.24	-44.51	32.51	-64.02	-13.00	51.02	Vertical

Test Band = GSM850_ TM1

Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1762.8571	47.95	-48.03	25.56	-69.78	-13.00	56.78	Horizontal
2	2120	46.04	-47.70	26.44	-70.48	-13.00	57.48	Horizontal
3	3528.5714	44.19	-46.48	28.65	-68.91	-13.00	55.91	Horizontal
4	4748	43.05	-45.72	31.00	-66.94	-13.00	53.94	Horizontal
5	6154.8571	43.35	-44.80	32.93	-63.78	-13.00	50.78	Horizontal
6	6812.5714	42.69	-44.13	34.66	-62.03	-13.00	49.03	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1461.1429	46.22	-48.20	25.26	-71.97	-13.00	58.97	Vertical
2	2191.4286	46.19	-47.68	26.58	-70.17	-13.00	57.17	Vertical
3	2853.7143	44.46	-46.73	27.84	-69.70	-13.00	56.70	Vertical
4	4144.5714	42.89	-45.93	29.75	-68.55	-13.00	55.55	Vertical
5	5864.5714	43.57	-44.86	32.37	-64.18	-13.00	51.18	Vertical
6	6640.5714	41.97	-44.32	34.35	-63.25	-13.00	50.25	Vertical

Test Band = GSM850_ TM1

Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1538.2857	45.86	-48.30	25.34	-72.37	-13.00	59.37	Horizontal
2	2233.7143	45.90	-47.62	26.67	-70.31	-13.00	57.31	Horizontal
3	3270.2857	43.96	-46.56	28.37	-69.49	-13.00	56.49	Horizontal
4	4103.4286	42.99	-45.90	29.65	-68.52	-13.00	55.52	Horizontal
5	6177.1429	43.38	-44.84	33.00	-63.72	-13.00	50.72	Horizontal
6	6870.8571	42.55	-44.16	34.77	-62.10	-13.00	49.10	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1404	46.09	-48.01	25.20	-71.98	-13.00	58.98	Vertical
2	2355.4286	45.88	-47.47	26.91	-69.94	-13.00	56.94	Vertical
3	3044.5714	44.79	-46.62	28.14	-68.95	-13.00	55.95	Vertical
4	4480	43.44	-45.66	30.55	-66.93	-13.00	53.93	Vertical
5	6079.4286	43.48	-44.64	32.67	-63.75	-13.00	50.75	Vertical
6	7337.7143	42.46	-43.39	35.95	-60.25	-13.00	47.25	Vertical

Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	190	VL	NT	-2.40	-0.002869	±2.5	PASS
GSM850	190	VN	NT	0.84	0.001004	±2.5	PASS
GSM850	190	VH	NT	-3.28	-0.003921	±2.5	PASS
EGPRS850	190	VL	NT	-4.38	-0.005235	±2.5	PASS
EGPRS850	190	VN	NT	-4.80	-0.005738	±2.5	PASS
EGPRS850	190	VH	NT	-1.55	-0.001853	±2.5	PASS

Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
GSM1900	661	VL	NT	2.91	0.001548	PASS
GSM1900	661	VN	NT	-0.05	-0.000027	PASS
GSM1900	661	VH	NT	4.54	0.002415	PASS
EGPRS1900	661	VL	NT	-5.73	-0.003048	PASS
EGPRS1900	661	VN	NT	-5.05	-0.002686	PASS
EGPRS1900	661	VH	NT	-1.37	-0.000729	PASS

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	190	NV	-30	-6.05	-0.007232	±2.5	PASS
GSM850	190	NV	-20	-9.57	-0.011439	±2.5	PASS
GSM850	190	NV	-10	-12.40	-0.014822	±2.5	PASS
GSM850	190	NV	0	-13.98	-0.016710	±2.5	PASS
GSM850	190	NV	10	-13.35	-0.015957	±2.5	PASS
GSM850	190	NV	20	-14.53	-0.017368	±2.5	PASS
GSM850	190	NV	30	-12.04	-0.014392	±2.5	PASS
GSM850	190	NV	40	-12.45	-0.014882	±2.5	PASS
GSM850	190	NV	50	-12.88	-0.015396	±2.5	PASS
EGPRS850	190	NV	-30	-6.19	-0.007399	±2.5	PASS
EGPRS850	190	NV	-20	-3.35	-0.004004	±2.5	PASS
EGPRS850	190	NV	-10	-3.22	-0.003849	±2.5	PASS
EGPRS850	190	NV	0	-7.45	-0.008905	±2.5	PASS
EGPRS850	190	NV	10	-4.25	-0.005080	±2.5	PASS
EGPRS850	190	NV	20	-4.34	-0.005188	±2.5	PASS
EGPRS850	190	NV	30	-3.51	-0.004196	±2.5	PASS
EGPRS850	190	NV	40	-1.22	-0.001458	±2.5	PASS
EGPRS850	190	NV	50	-4.35	-0.005200	±2.5	PASS

Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
GSM1900	661	NV	-30	-0.86	-0.000457	PASS
GSM1900	661	NV	-20	0.29	0.000154	PASS
GSM1900	661	NV	-10	4.49	0.002388	PASS
GSM1900	661	NV	0	2.43	0.001293	PASS
GSM1900	661	NV	10	1.96	0.001043	PASS
GSM1900	661	NV	20	-0.43	-0.000229	PASS
GSM1900	661	NV	30	-1.26	-0.000670	PASS
GSM1900	661	NV	40	-2.75	-0.001463	PASS
GSM1900	661	NV	50	-0.43	-0.000229	PASS
EGPRS1900	661	NV	-30	0.46	0.000245	PASS
EGPRS1900	661	NV	-20	-1.92	-0.001021	PASS
EGPRS1900	661	NV	-10	-2.75	-0.001463	PASS
EGPRS1900	661	NV	0	0.50	0.000266	PASS
EGPRS1900	661	NV	10	-0.90	-0.000479	PASS
EGPRS1900	661	NV	20	-4.71	-0.002505	PASS
EGPRS1900	661	NV	30	-2.65	-0.001410	PASS
EGPRS1900	661	NV	40	-6.50	-0.003457	PASS
EGPRS1900	661	NV	50	-5.50	-0.002926	PASS

---End of Attachment---