



Appendix B

GSM 850 & 1900



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1. Effective (Isotropic) Radiated Power Output Data

1.1. Test Result

ANT1:

Band	Channel	Slot	Conducted Power (dBm)	ERP (dBm)	Limit(dBm)	Verdict
GSM850	128	---	33.81	29.86	38.45	PASS
GSM850	190	---	33.85	29.9	38.45	PASS
GSM850	251	---	33.69	29.74	38.45	PASS
EGPRS850	128	1	27.30	23.35	38.45	PASS
EGPRS850	128	2	24.72	20.77	38.45	PASS
EGPRS850	128	3	23.57	19.62	38.45	PASS
EGPRS850	128	4	22.87	18.92	38.45	PASS
EGPRS850	190	1	27.31	23.36	38.45	PASS
EGPRS850	190	2	24.73	20.78	38.45	PASS
EGPRS850	190	3	23.56	19.61	38.45	PASS
EGPRS850	190	4	22.87	18.92	38.45	PASS
EGPRS850	251	1	27.35	23.4	38.45	PASS
EGPRS850	251	2	24.79	20.84	38.45	PASS
EGPRS850	251	3	23.51	19.56	38.45	PASS
EGPRS850	251	4	22.83	18.88	38.45	PASS

ANT4:

Band	Channel	Slot	Conducted Power (dBm)	EIRP (dBm)	Limit(dBm)	Verdict
GSM1900	512	---	30.53	27.83	33.00	PASS
GSM1900	661	---	30.63	27.93	33.00	PASS
GSM1900	810	---	30.60	27.9	33.00	PASS
EGPRS1900	512	1	25.77	23.07	33.00	PASS
EGPRS1900	512	2	23.65	20.95	33.00	PASS
EGPRS1900	512	3	23.58	20.88	33.00	PASS
EGPRS1900	512	4	22.21	19.51	33.00	PASS
EGPRS1900	661	1	25.62	22.92	33.00	PASS
EGPRS1900	661	2	23.37	20.67	33.00	PASS
EGPRS1900	661	3	22.66	19.96	33.00	PASS
EGPRS1900	661	4	22.01	19.31	33.00	PASS
EGPRS1900	810	1	25.61	22.91	33.00	PASS
EGPRS1900	810	2	23.36	20.66	33.00	PASS
EGPRS1900	810	3	22.93	20.23	33.00	PASS
EGPRS1900	810	4	21.58	18.88	33.00	PASS



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ANT0:

Band	Channel	Slot	Conducted Power (dBm)	ERP (dBm)	Limit(dBm)	Verdict
GSM850	128	---	33.21	24.26	38.45	PASS
GSM850	190	---	33.35	24.4	38.45	PASS
GSM850	251	---	33.01	24.06	38.45	PASS
EGPRS850	128	1	26.82	17.87	38.45	PASS
EGPRS850	128	2	24.16	15.21	38.45	PASS
EGPRS850	128	3	23.06	14.11	38.45	PASS
EGPRS850	128	4	22.46	13.51	38.45	PASS
EGPRS850	190	1	26.72	17.77	38.45	PASS
EGPRS850	190	2	24.18	15.23	38.45	PASS
EGPRS850	190	3	22.96	14.01	38.45	PASS
EGPRS850	190	4	22.37	13.42	38.45	PASS
EGPRS850	251	1	26.28	17.33	38.45	PASS
EGPRS850	251	2	23.71	14.76	38.45	PASS
EGPRS850	251	3	22.53	13.58	38.45	PASS
EGPRS850	251	4	22.24	13.29	38.45	PASS

ANT3:

Band	Channel	Slot	Conducted Power (dBm)	EIRP (dBm)	Limit(dBm)	Verdict
GSM1900	512	---	29.75	29.85	33.00	PASS
GSM1900	661	---	29.35	29.45	33.00	PASS
GSM1900	810	---	29.51	29.61	33.00	PASS
EGPRS1900	512	1	24.77	24.87	33.00	PASS
EGPRS1900	512	2	23.42	23.52	33.00	PASS
EGPRS1900	512	3	22.39	22.49	33.00	PASS
EGPRS1900	512	4	21.1	21.2	33.00	PASS
EGPRS1900	661	1	24.59	24.69	33.00	PASS
EGPRS1900	661	2	23.25	23.35	33.00	PASS
EGPRS1900	661	3	22.17	22.27	33.00	PASS
EGPRS1900	661	4	20.92	21.02	33.00	PASS
EGPRS1900	810	1	24.55	24.65	33.00	PASS
EGPRS1900	810	2	23.18	23.28	33.00	PASS
EGPRS1900	810	3	21.95	22.05	33.00	PASS
EGPRS1900	810	4	20.75	20.85	33.00	PASS

Remark:

a: For getting the EIRP (Efficient Isotropic Radiated Power), the following formula should be taken to calculate it,

$$ERP [dBm] = \text{Conducted Power} [dBm] + \text{Gain} [dBd]$$

$$EIRP [dBm] = \text{Conducted Power} [dBm] + \text{Gain} [dBi]$$



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2. Peak-to-Average Ratio

2.1. Test Result

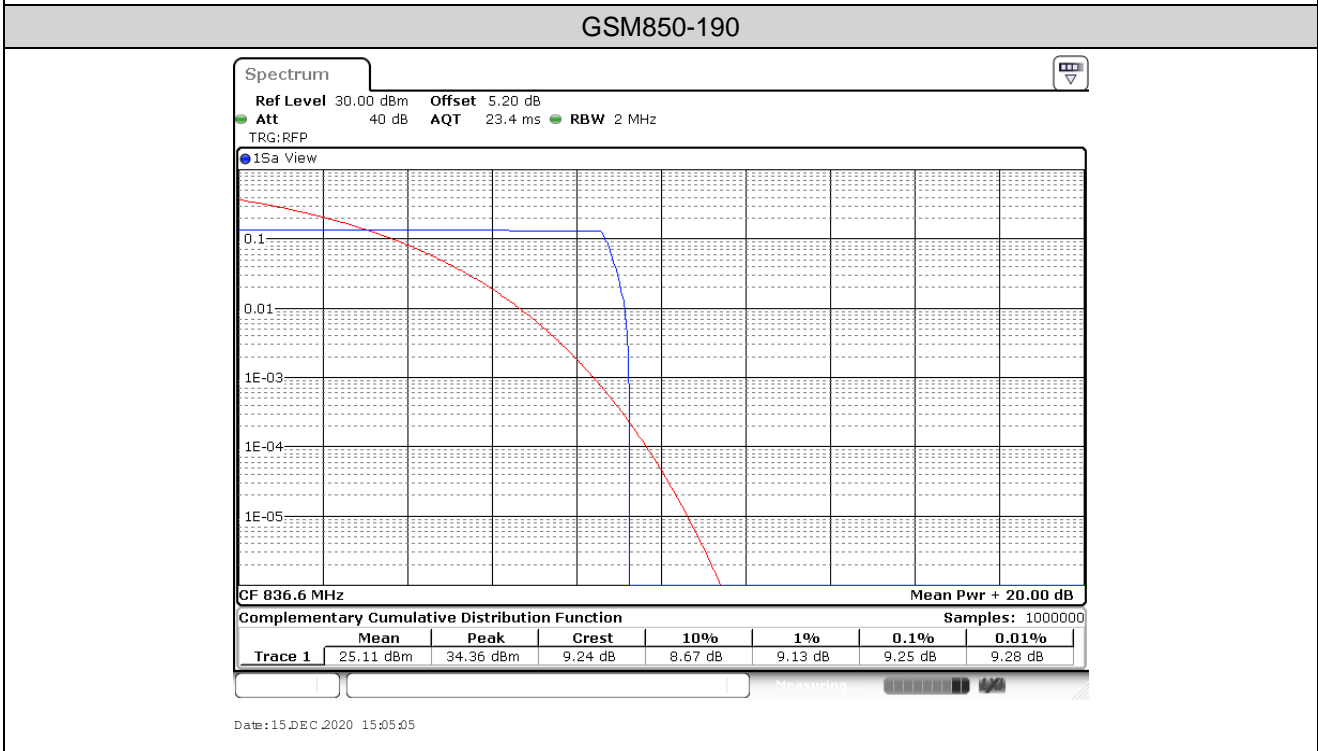
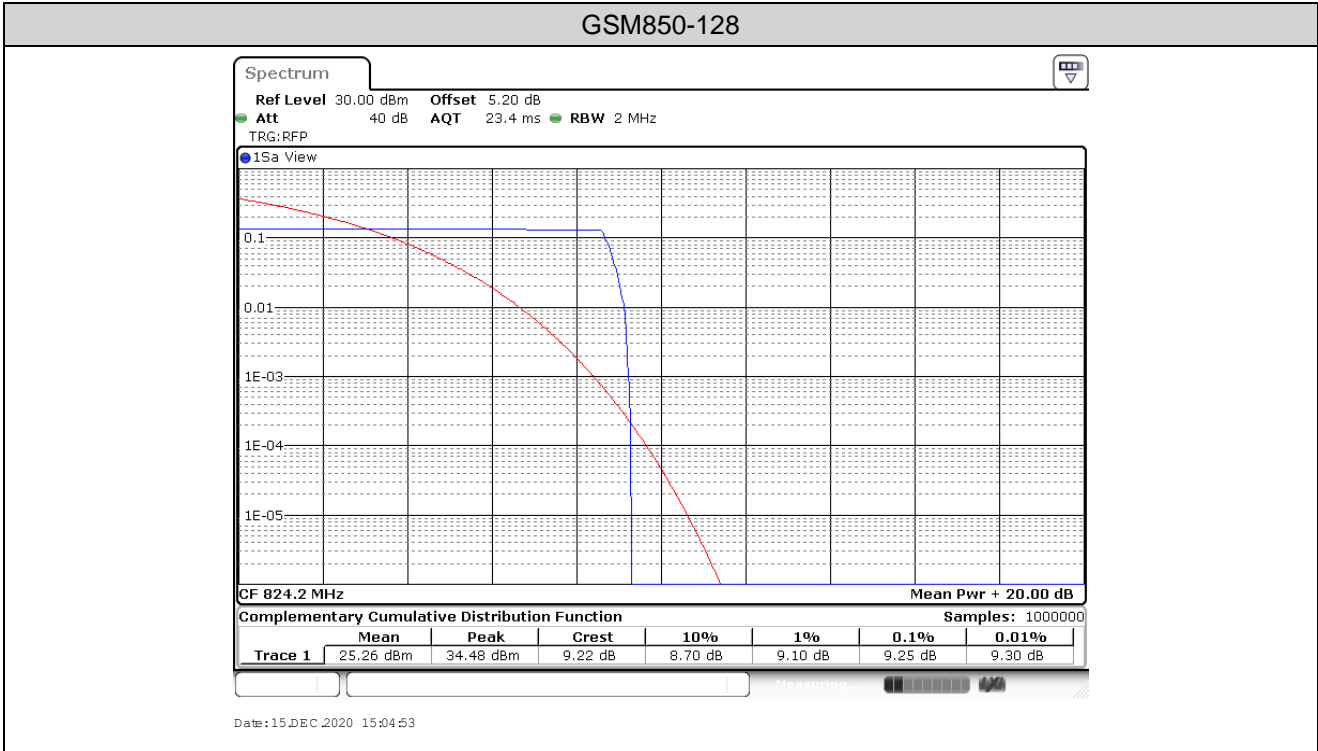
Band	Channel	Result(dB)	Limit(dB)	Verdict
GSM850	128	9.25	13	PASS
GSM850	190	9.25	13	PASS
GSM850	251	9.28	13	PASS
EGPRS850	128	11.8	13	PASS
EGPRS850	190	11.91	13	PASS
EGPRS850	251	11.8	13	PASS
GSM1900	512	9.25	13	PASS
GSM1900	661	9.22	13	PASS
GSM1900	810	9.22	13	PASS
EGPRS1900	512	12.06	13	PASS
EGPRS1900	661	12.06	13	PASS
EGPRS1900	810	11.91	13	PASS



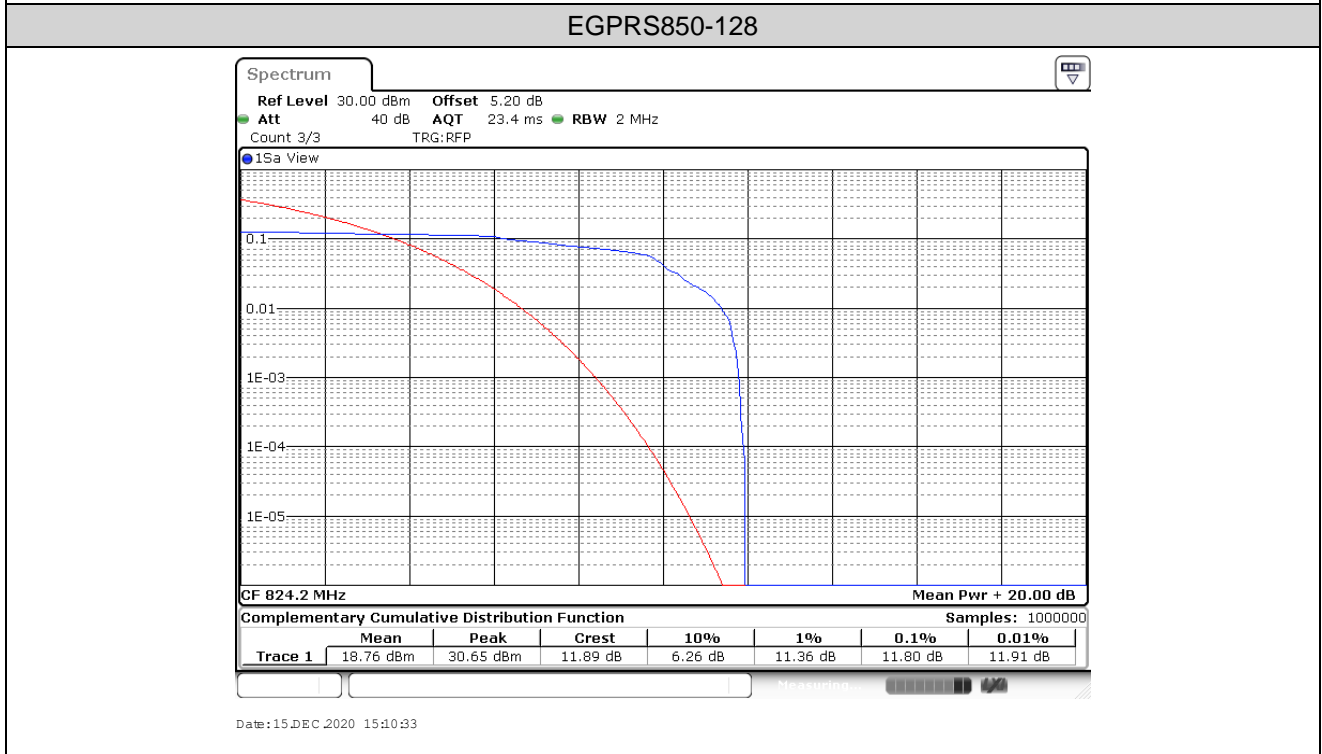
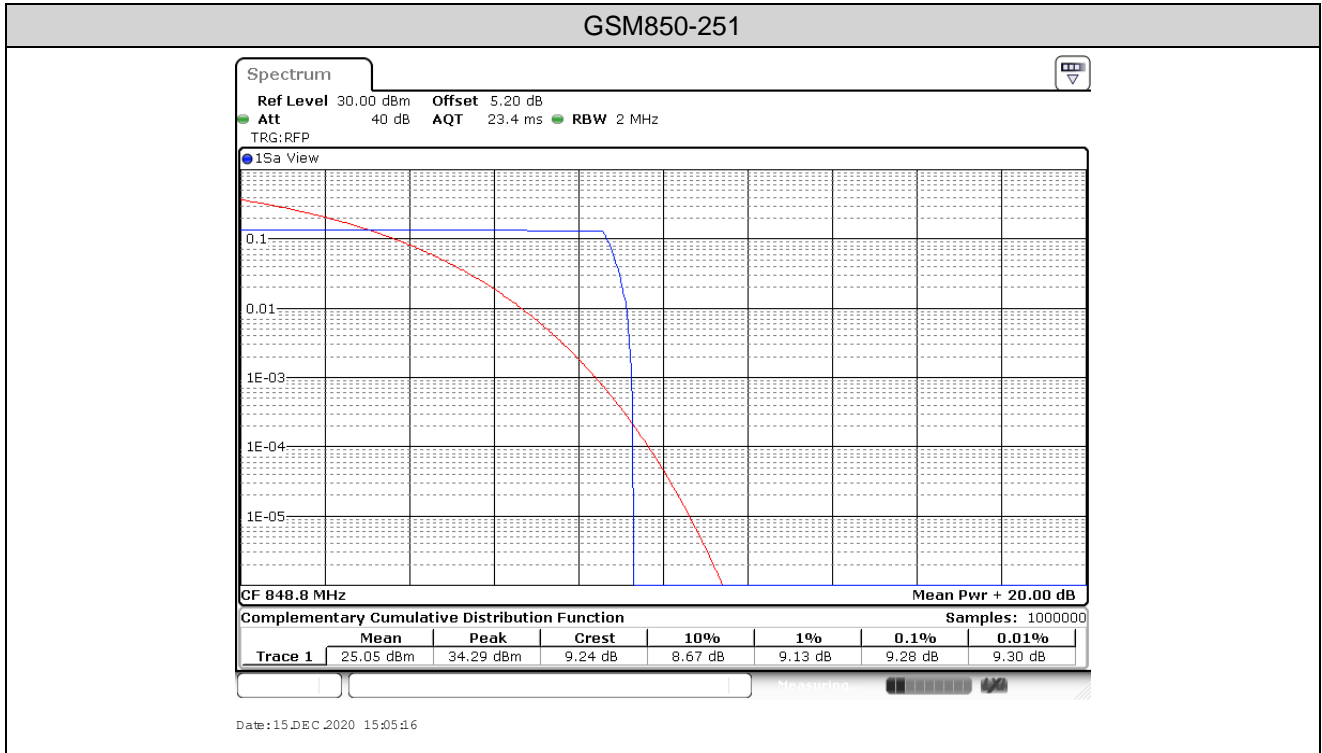
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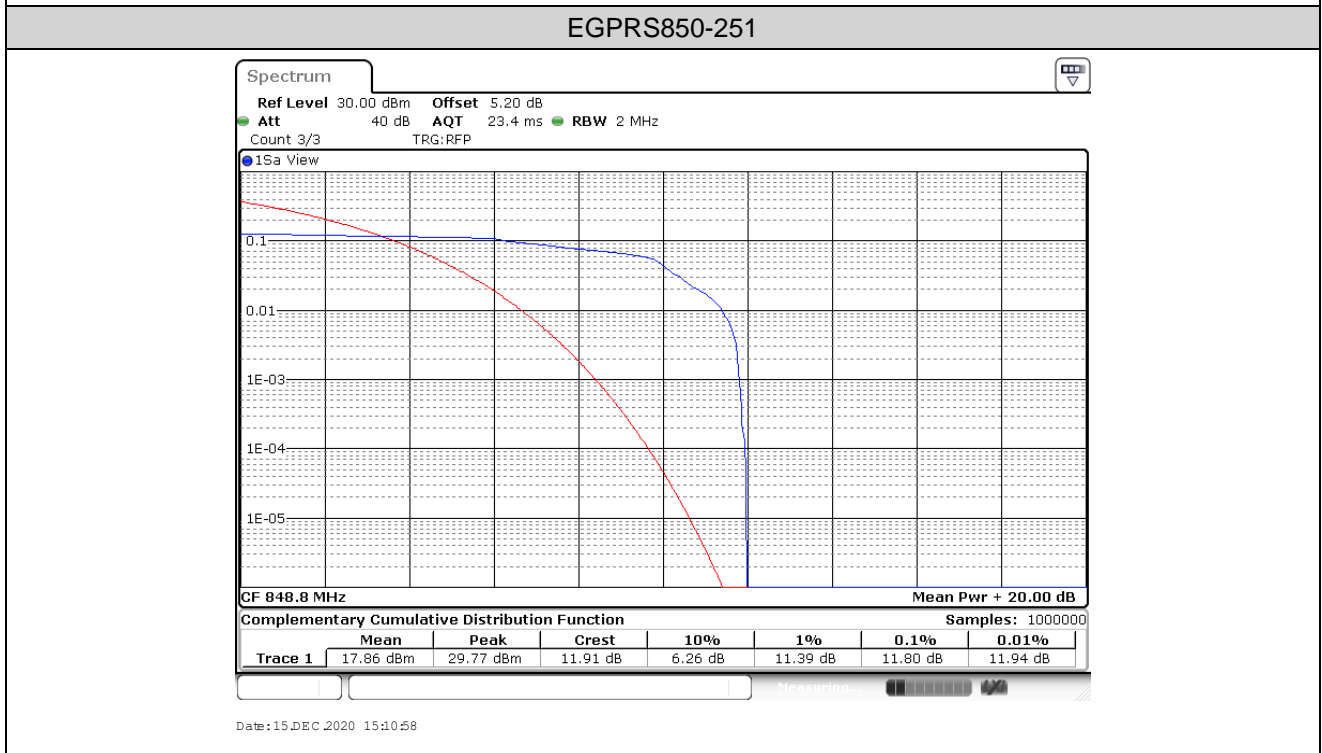
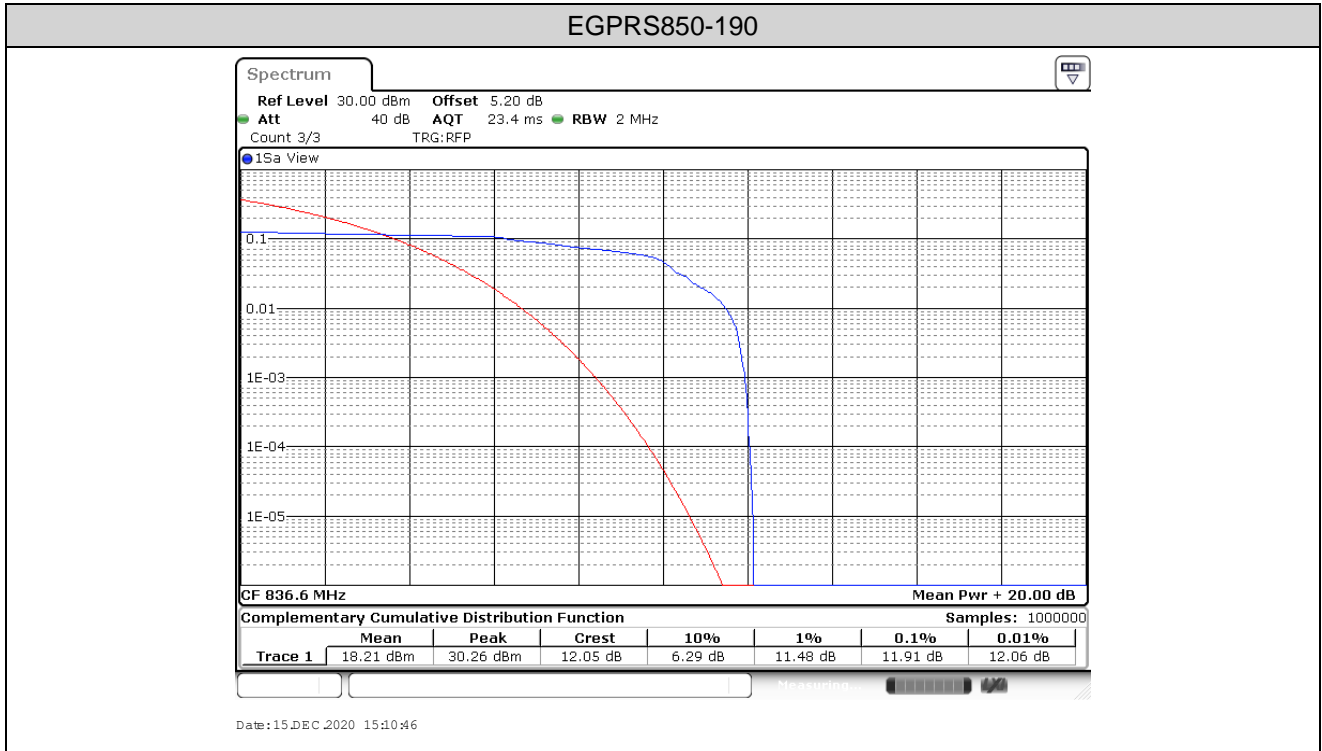
2.2.Part II - Test Plots



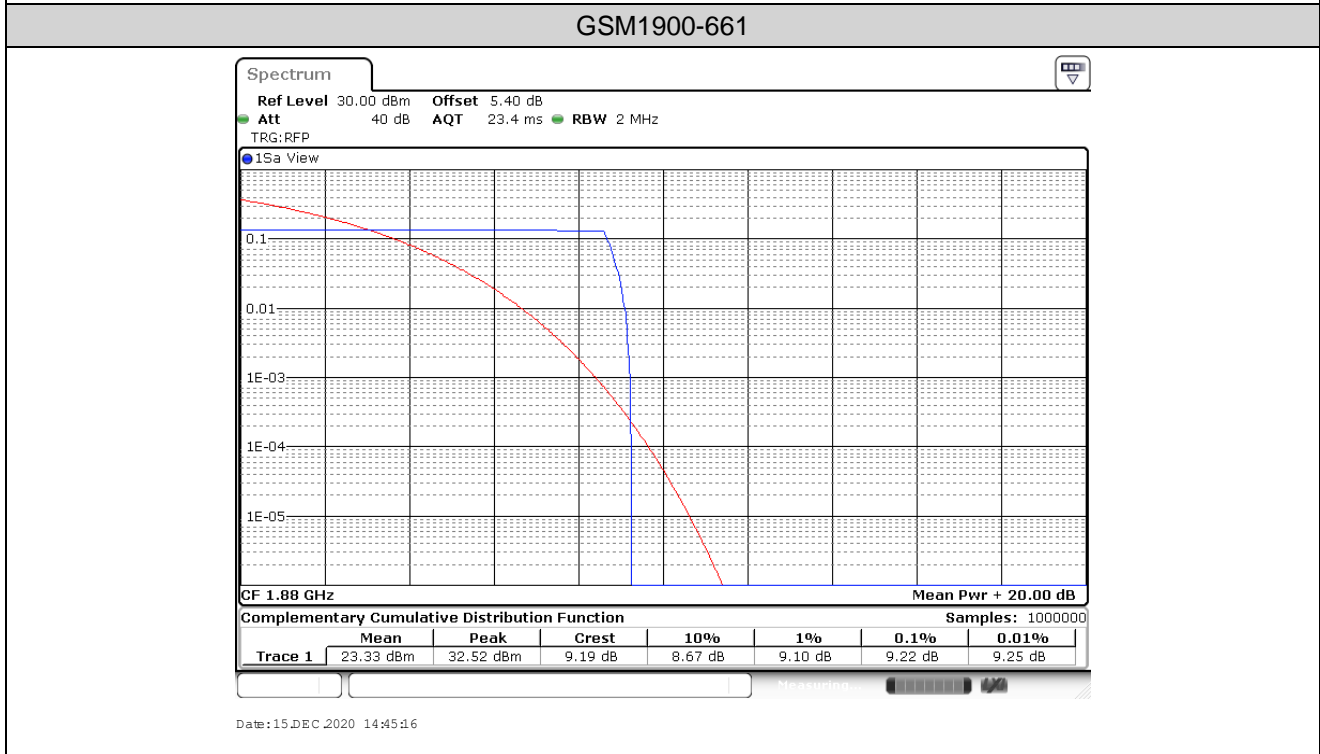
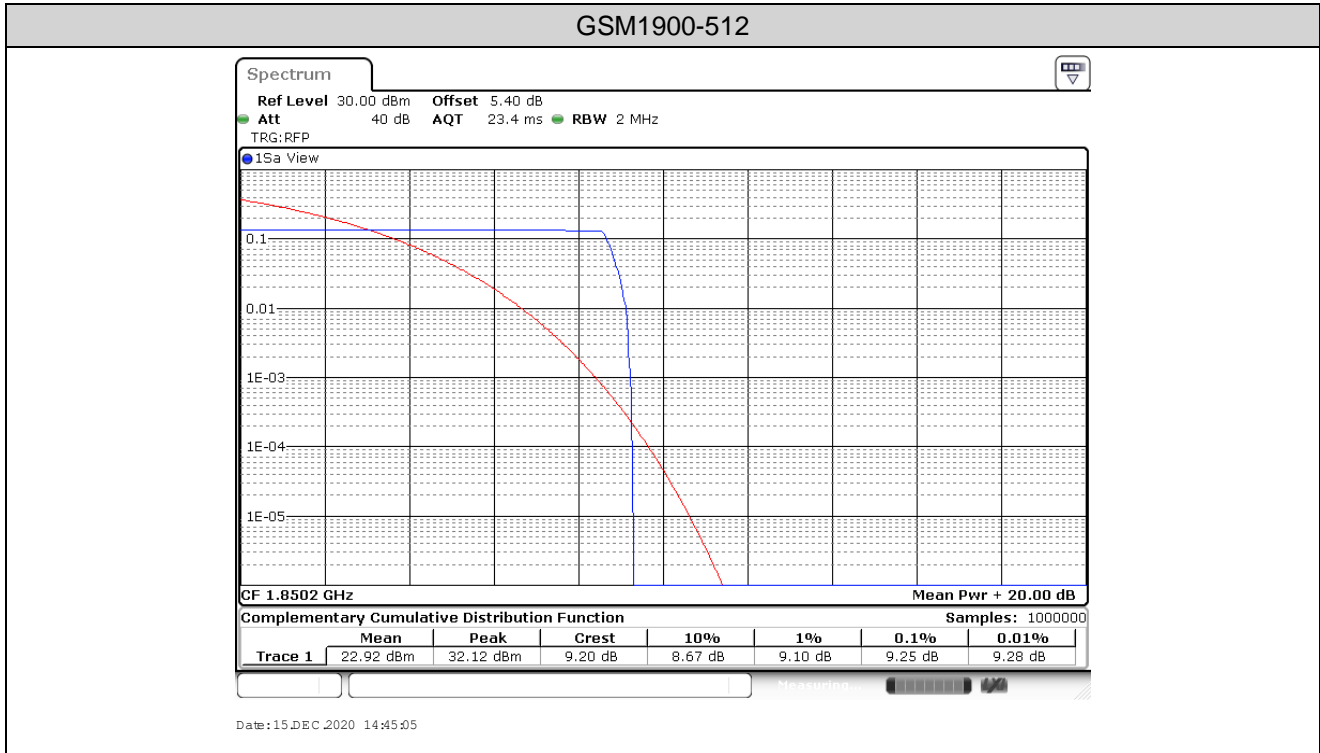
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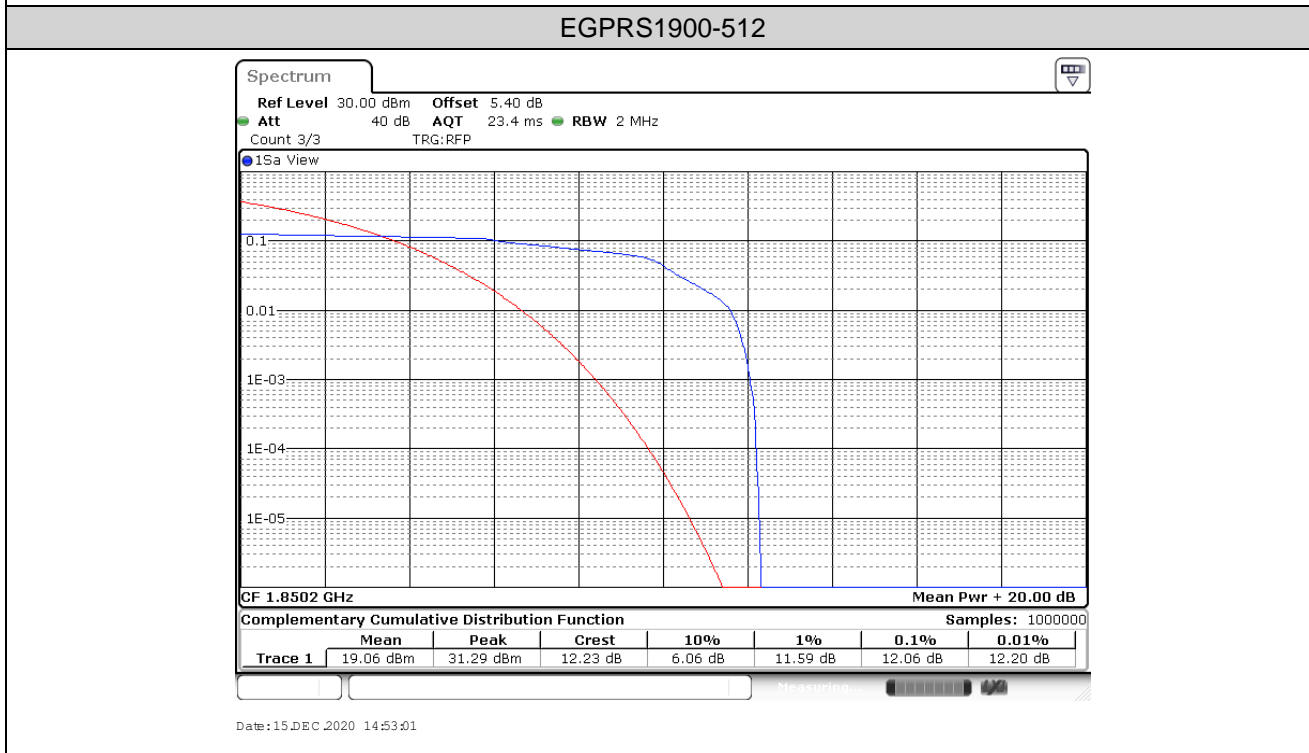
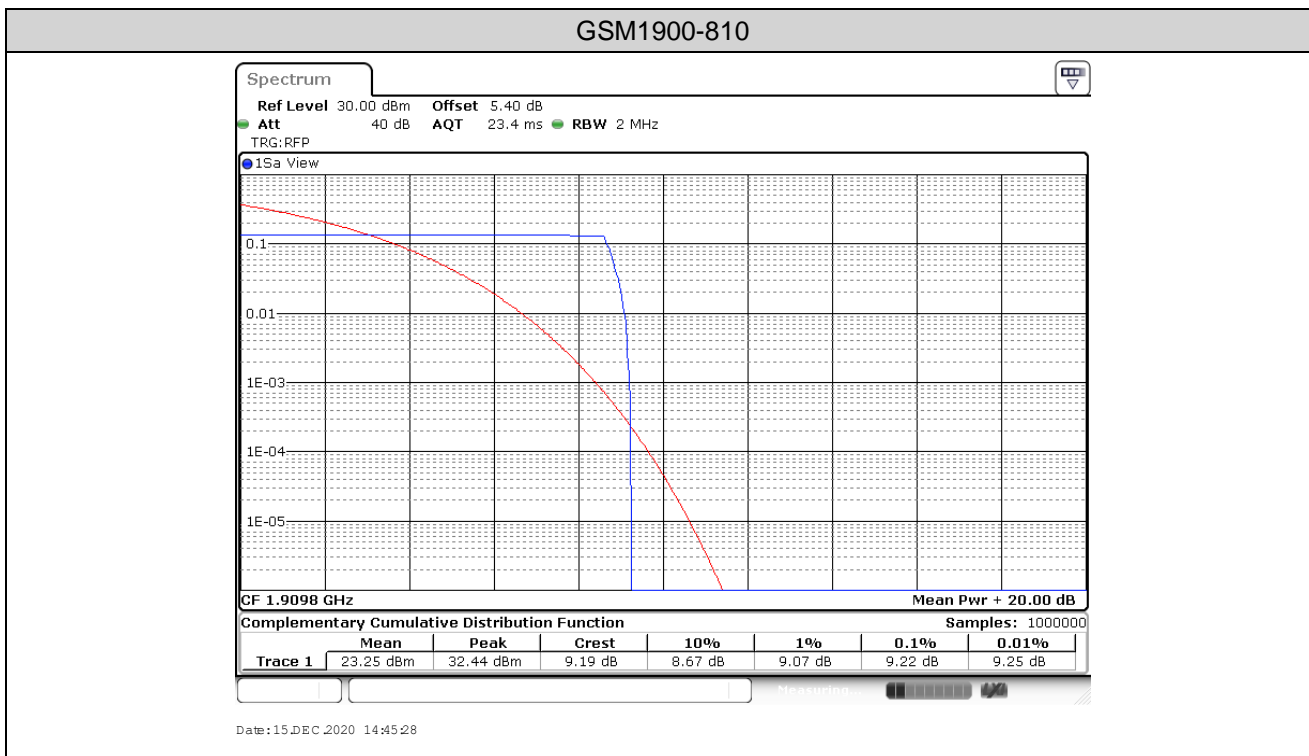


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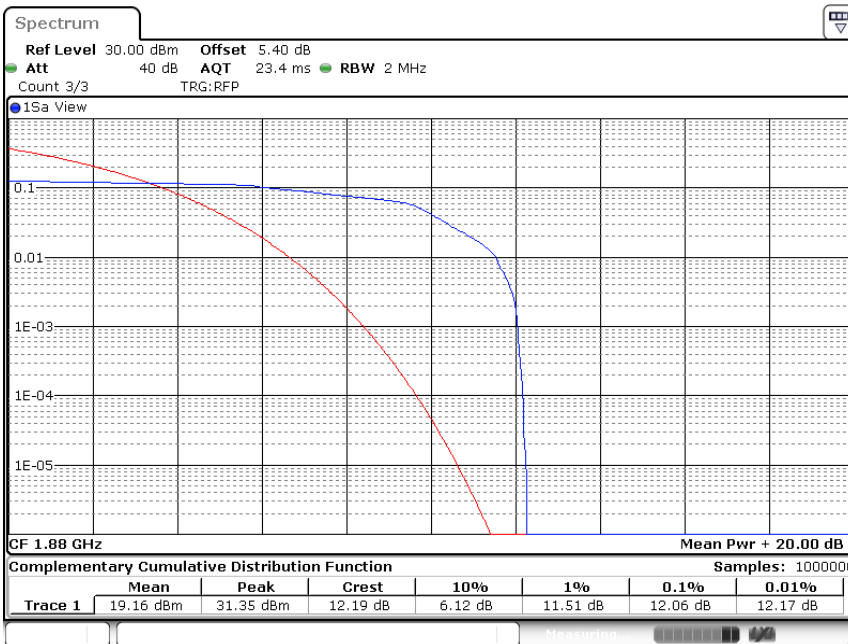


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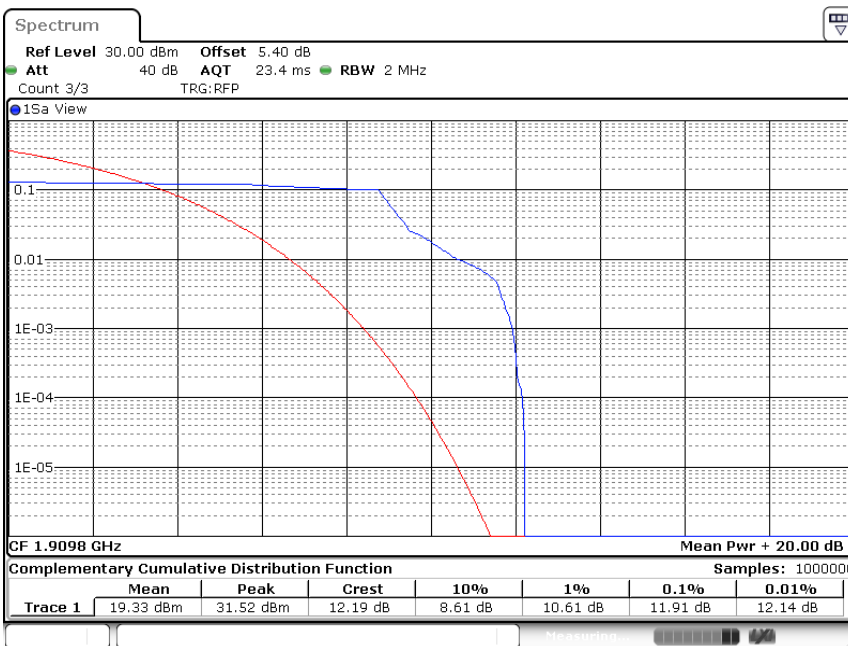
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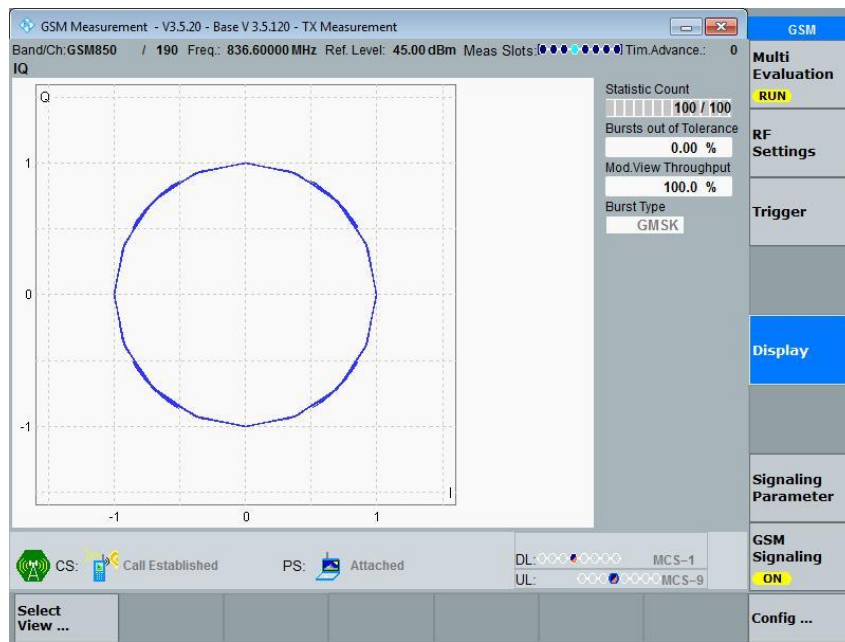
3. Modulation Characteristics

3.1. For GSM

3.1.1. Test Band = GSM 850

3.1.1.1. Test Mode = GSM/TM1

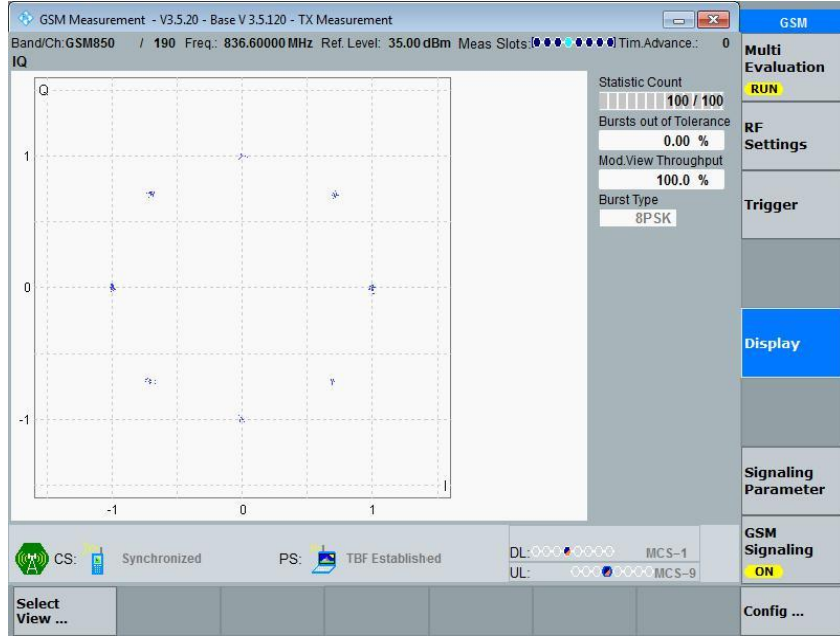
3.1.1.1.1. Test Channel = MCH



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3.1.1.2. Test Mode = GSM/TM2

3.1.1.2.1. Test Channel = MCH

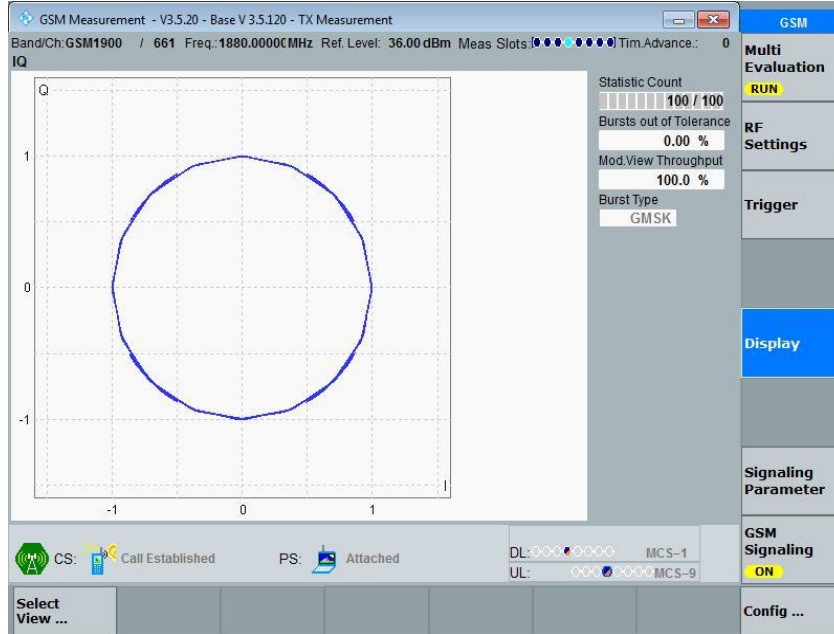


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3.1.2. Test Band = GSM 1900

3.1.2.1. Test Mode = GSM/TM1

3.1.2.1.1. Test Channel = MCH



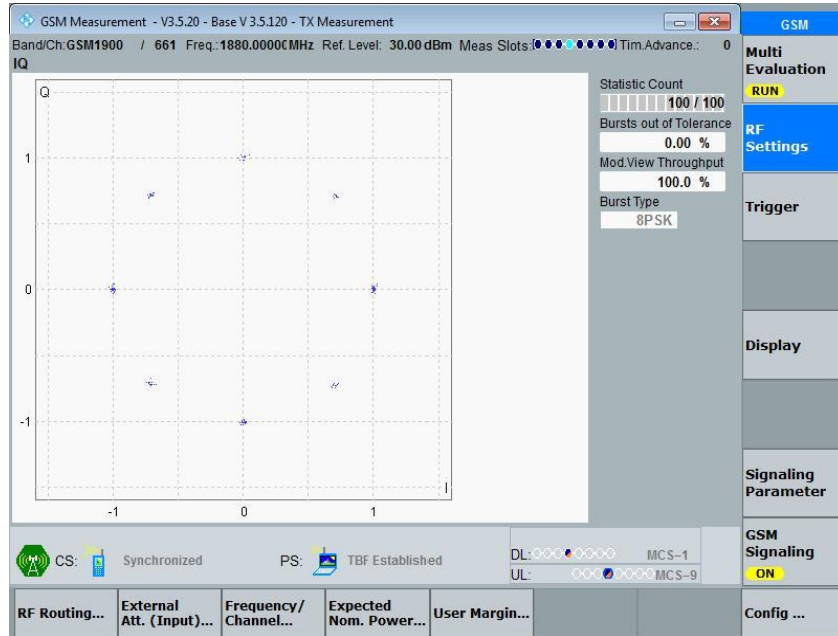
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3.1.2.2. Test Mode = GSM/TM2

3.1.2.2.1. Test Channel = MCH



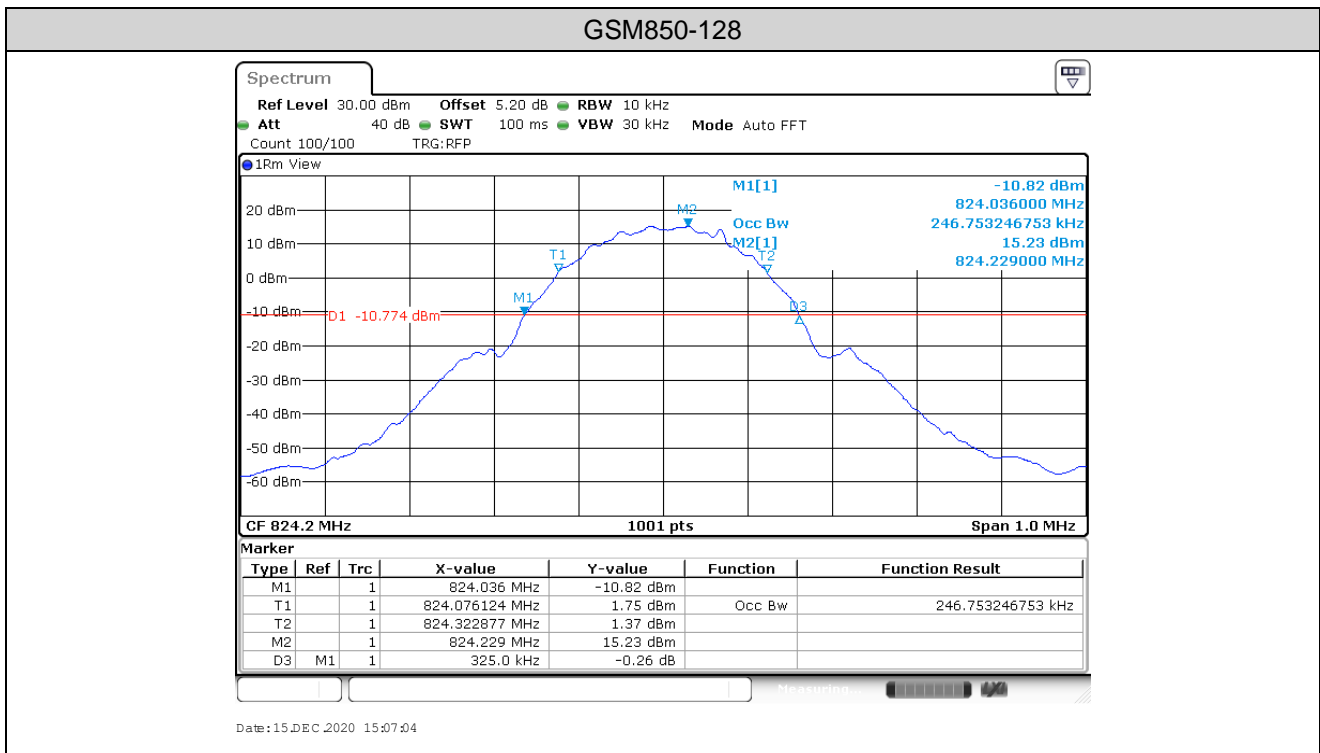
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4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

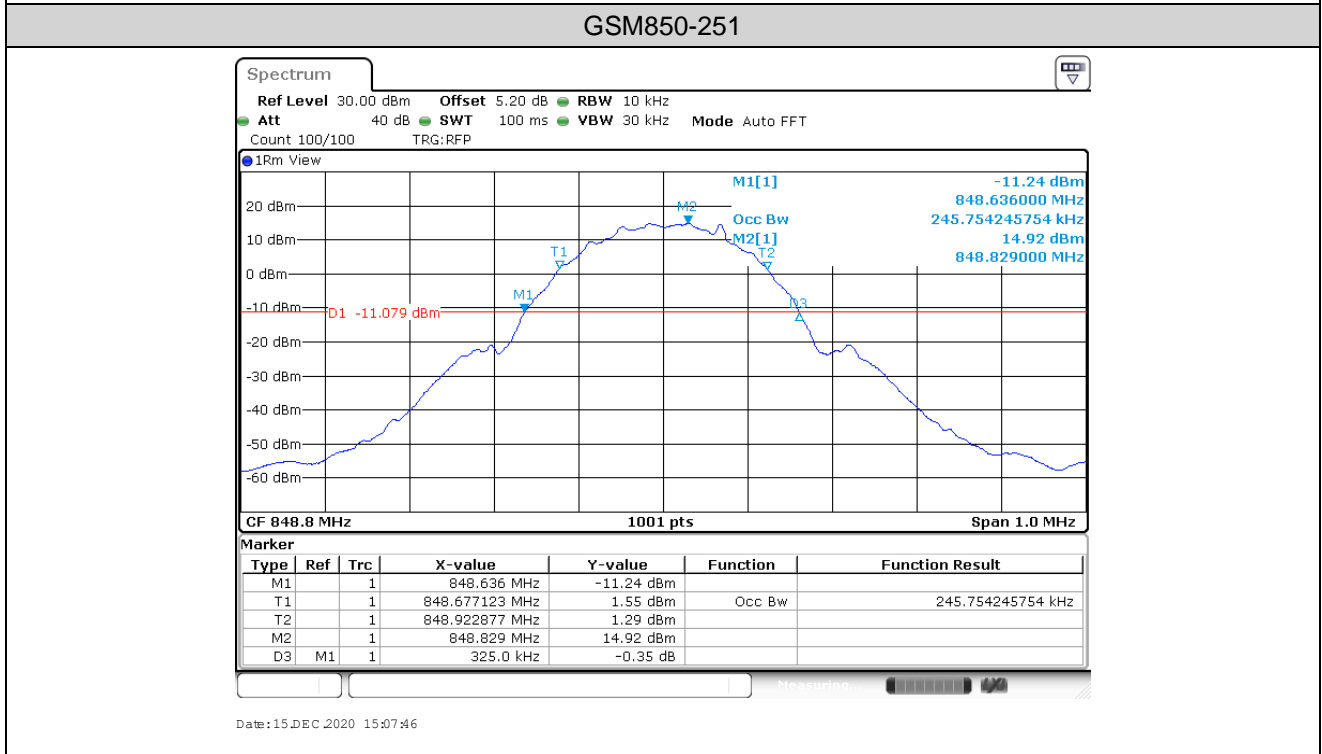
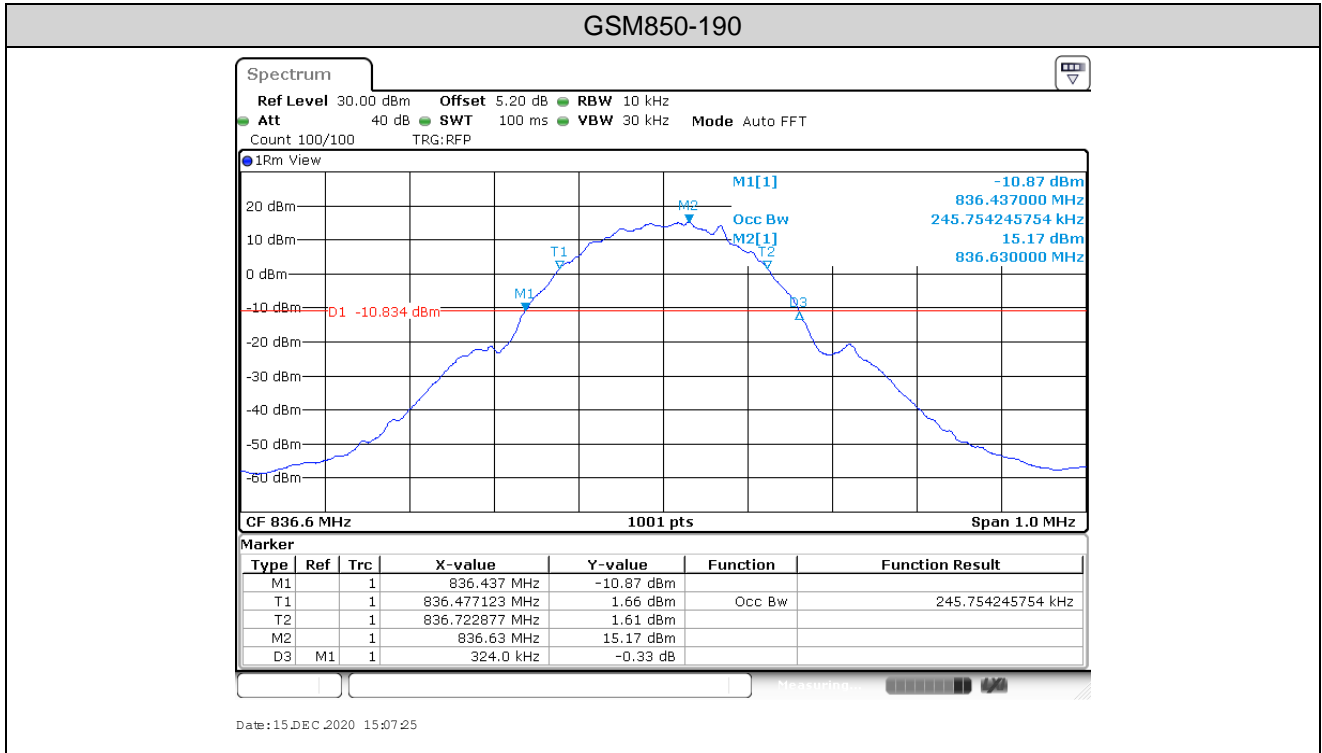
Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GSM850	128	0.247	0.325	---	PASS
GSM850	190	0.246	0.324	---	PASS
GSM850	251	0.246	0.325	---	PASS
EGPRS850	128	0.244	0.320	---	PASS
EGPRS850	190	0.246	0.321	---	PASS
EGPRS850	251	0.244	0.320	---	PASS
GSM1900	512	0.245	0.320	---	PASS
GSM1900	661	0.245	0.323	---	PASS
GSM1900	810	0.245	0.323	---	PASS
EGPRS1900	512	0.243	0.315	---	PASS
EGPRS1900	661	0.244	0.317	---	PASS
EGPRS1900	810	0.244	0.316	---	PASS

4.2. Test Plots



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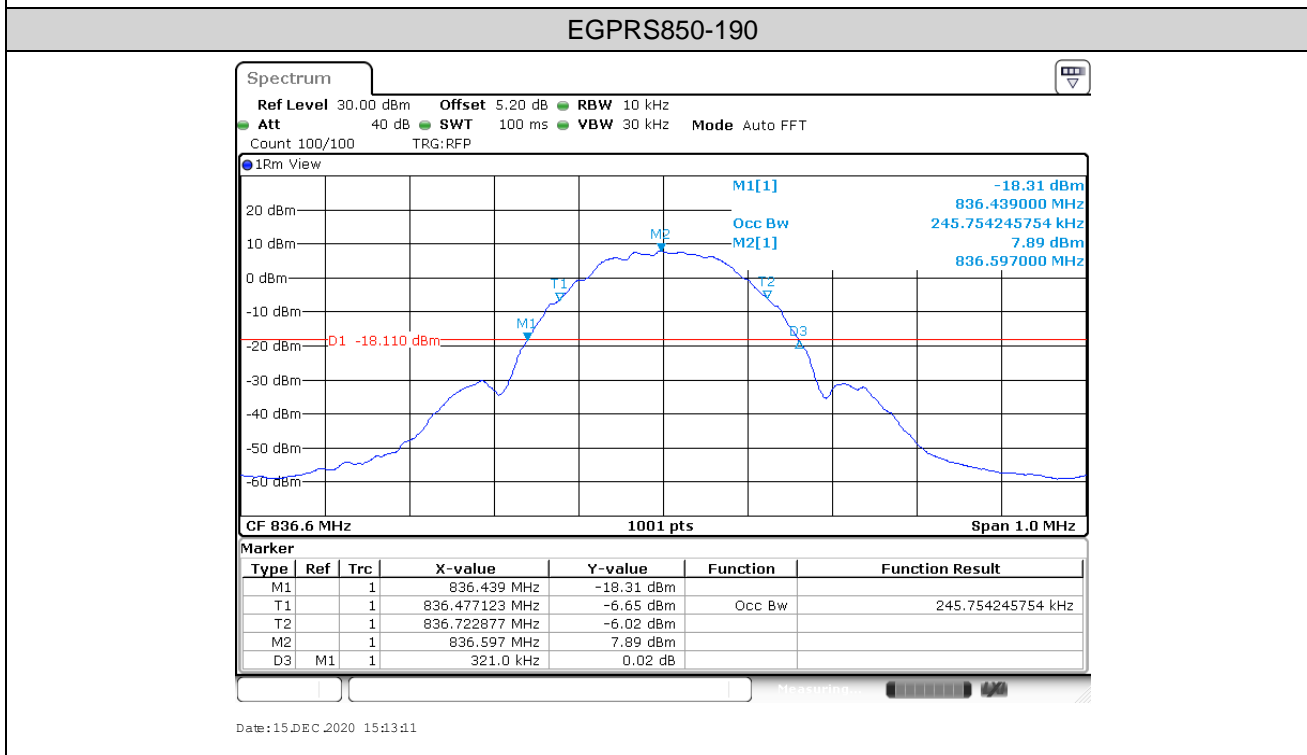
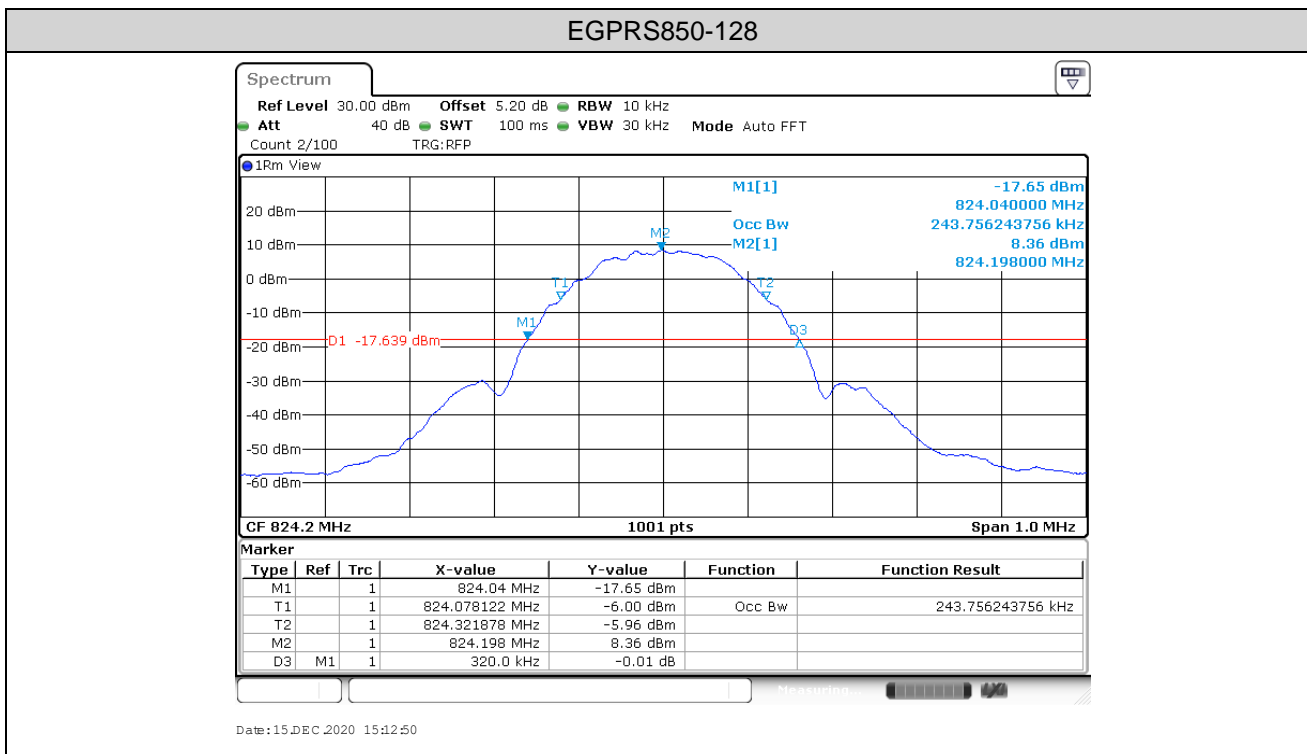
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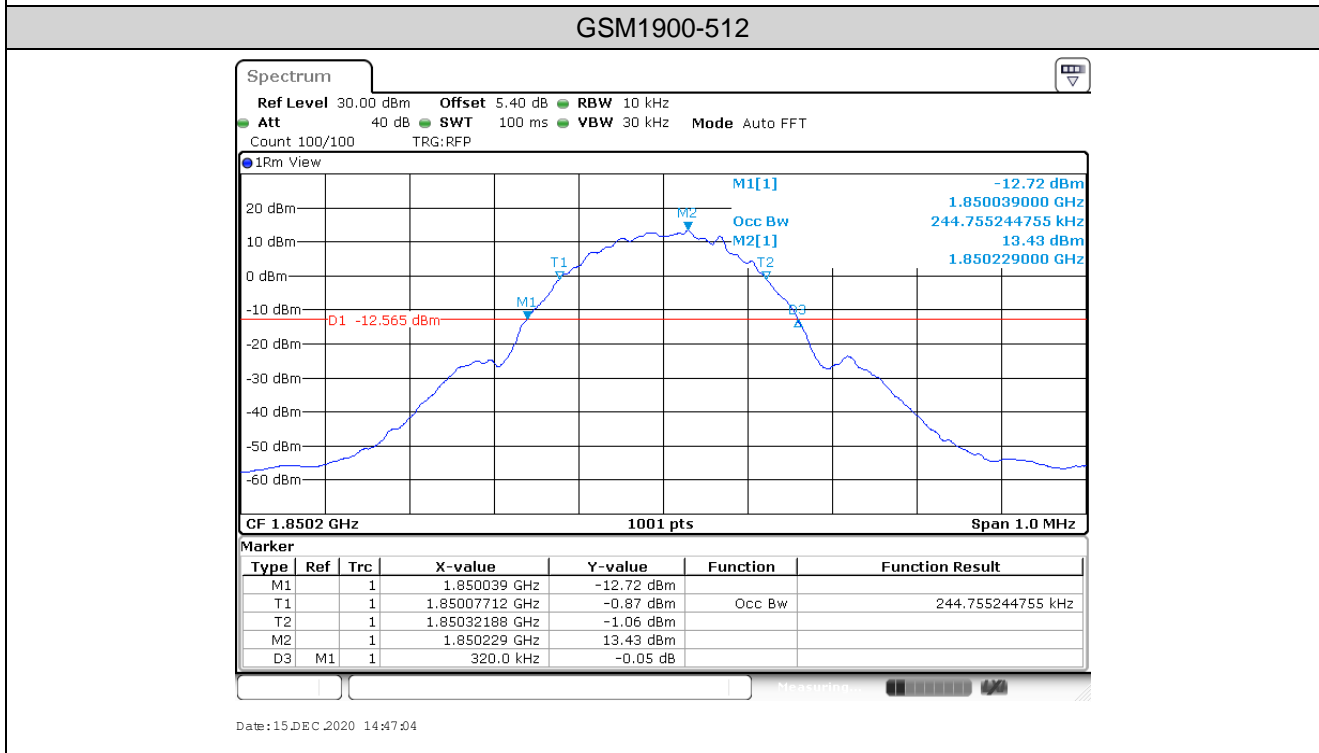
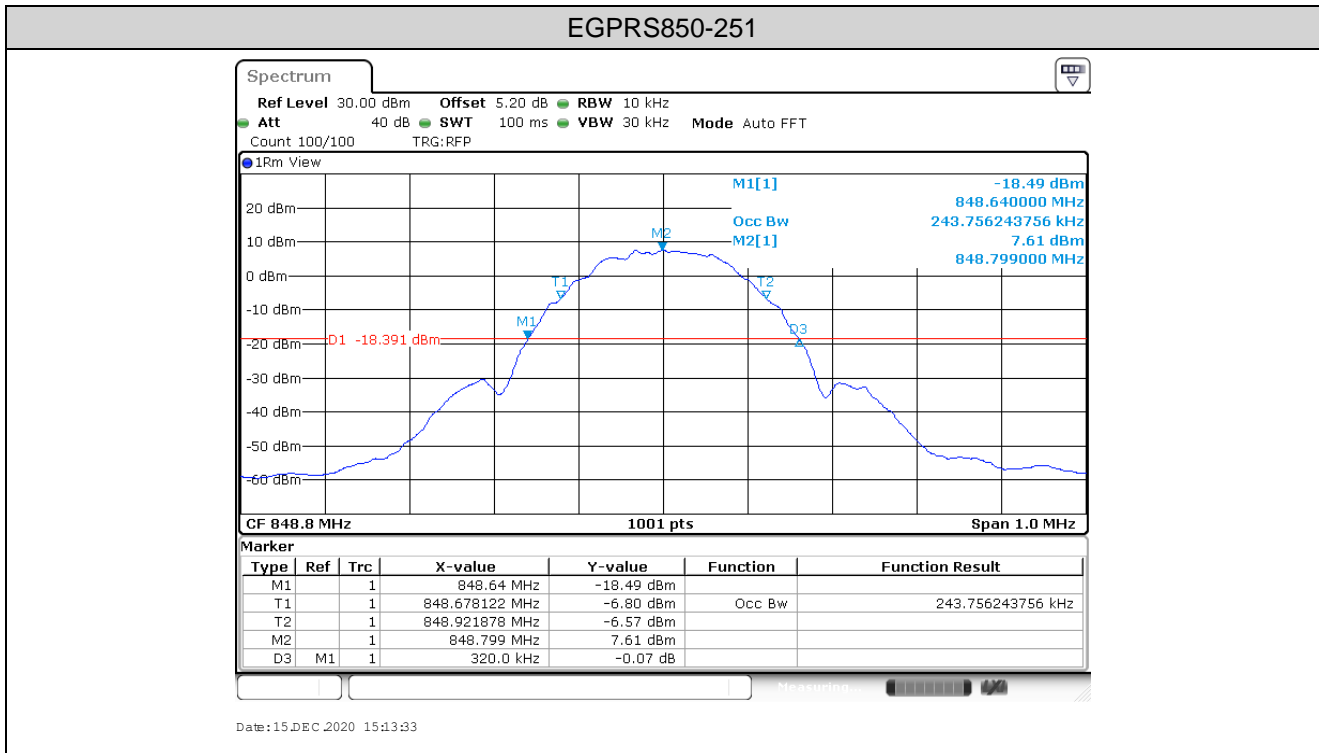
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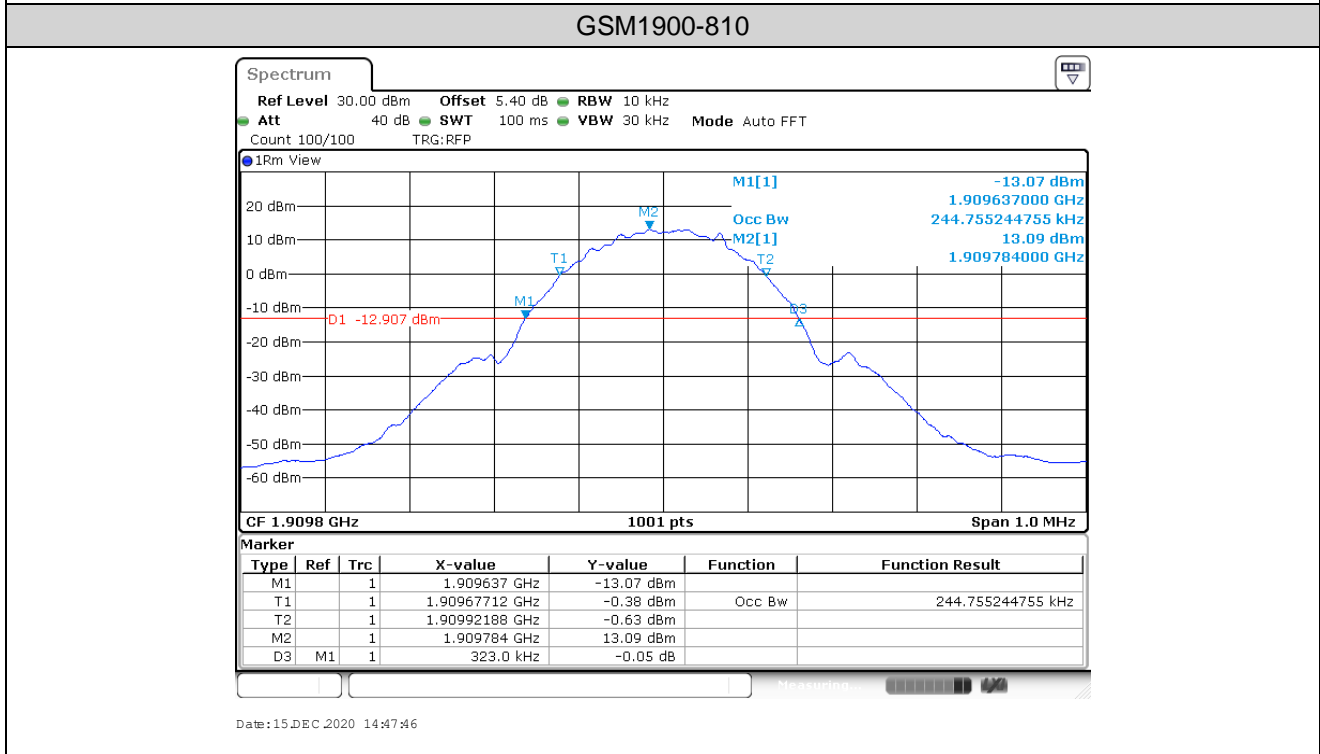
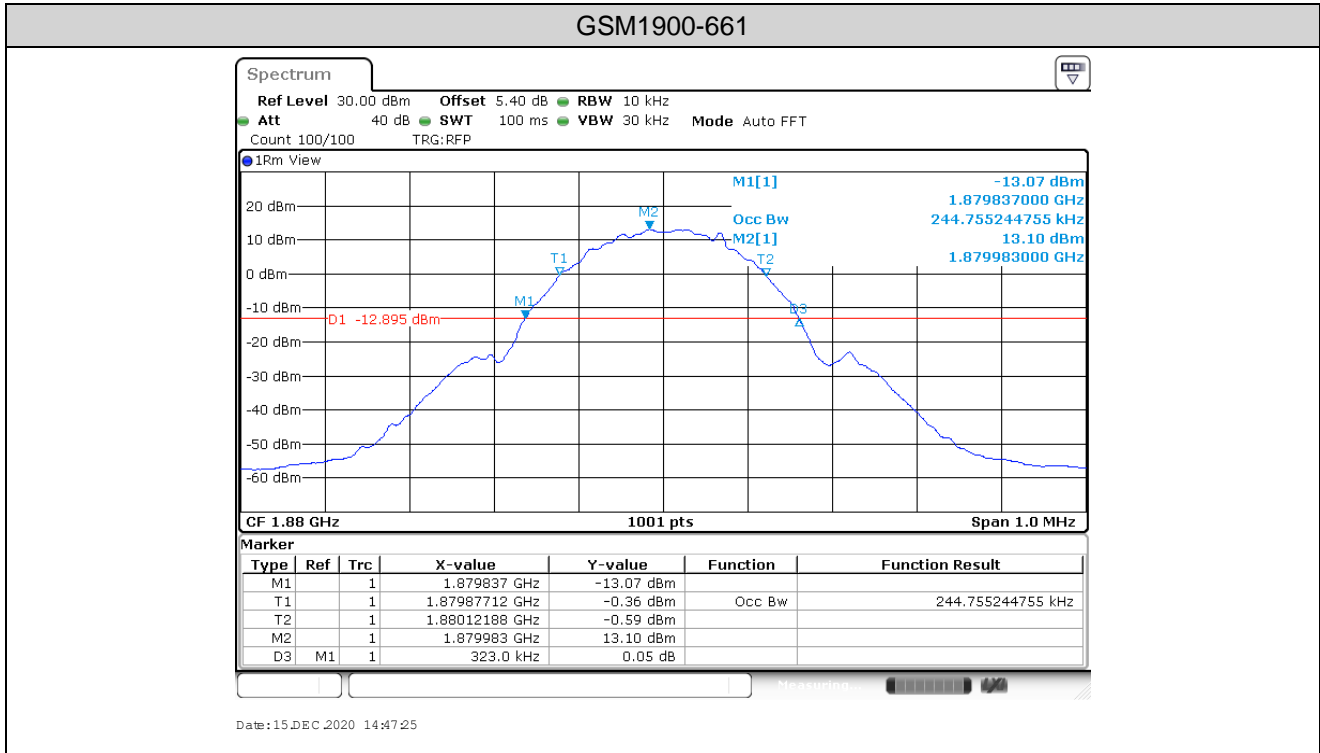
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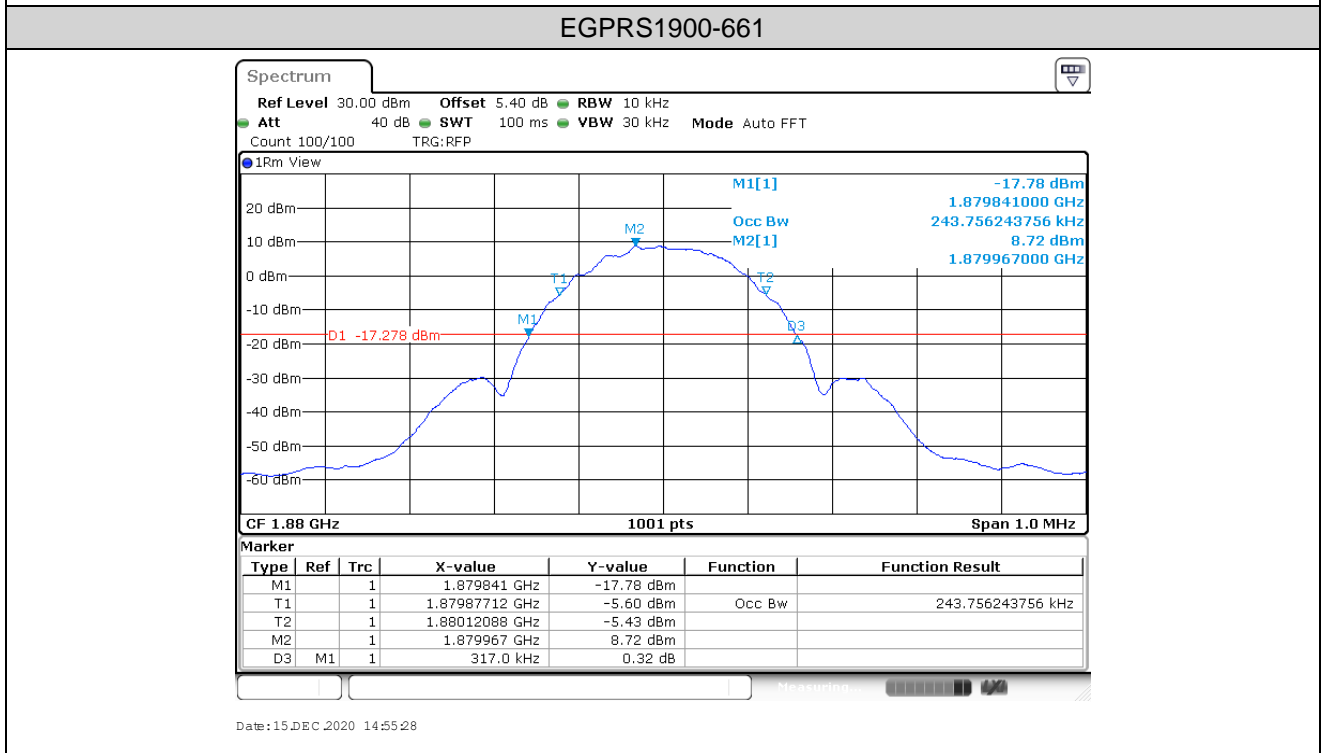
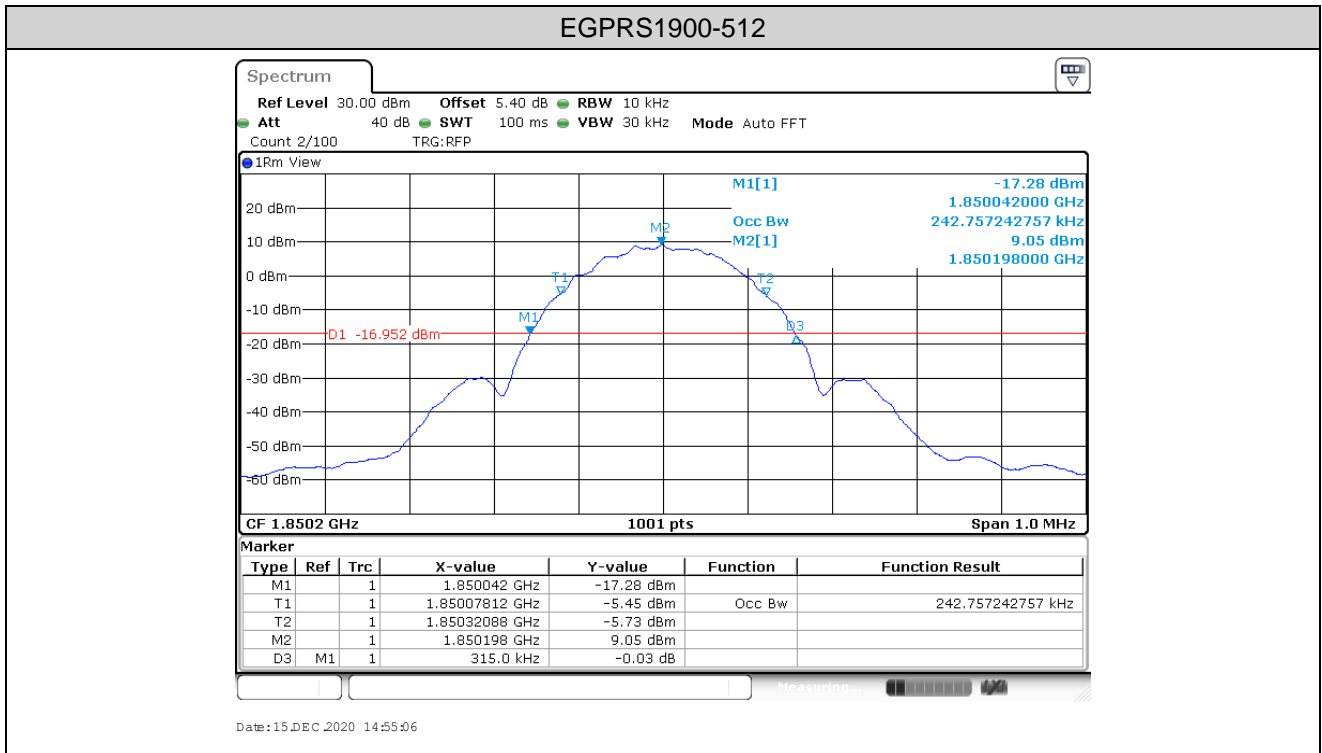


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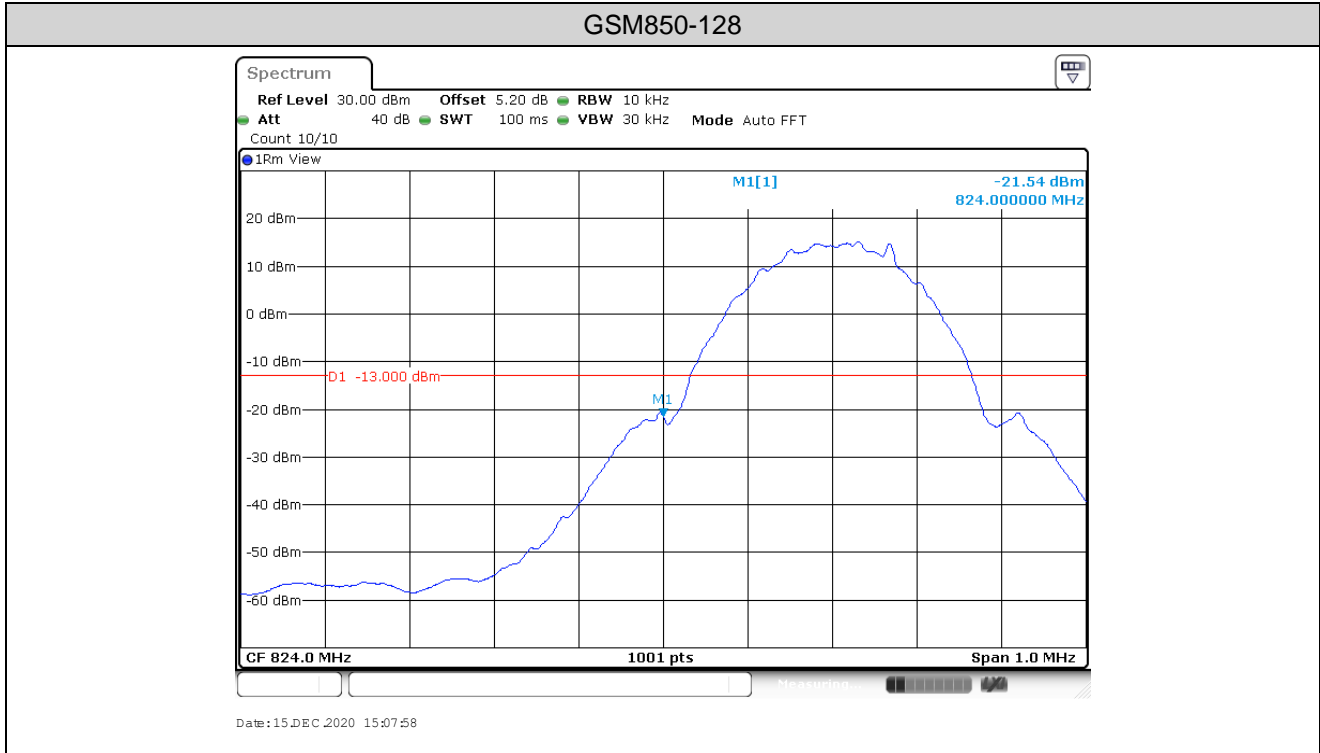
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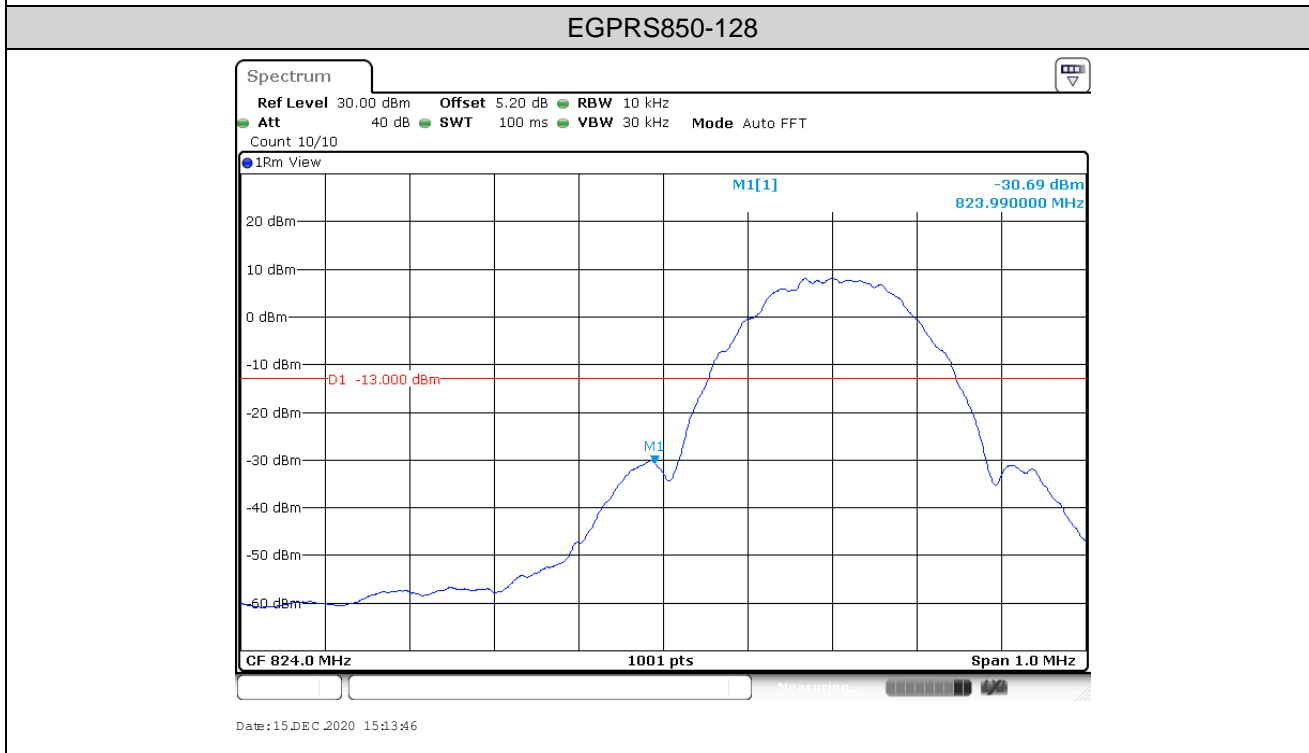
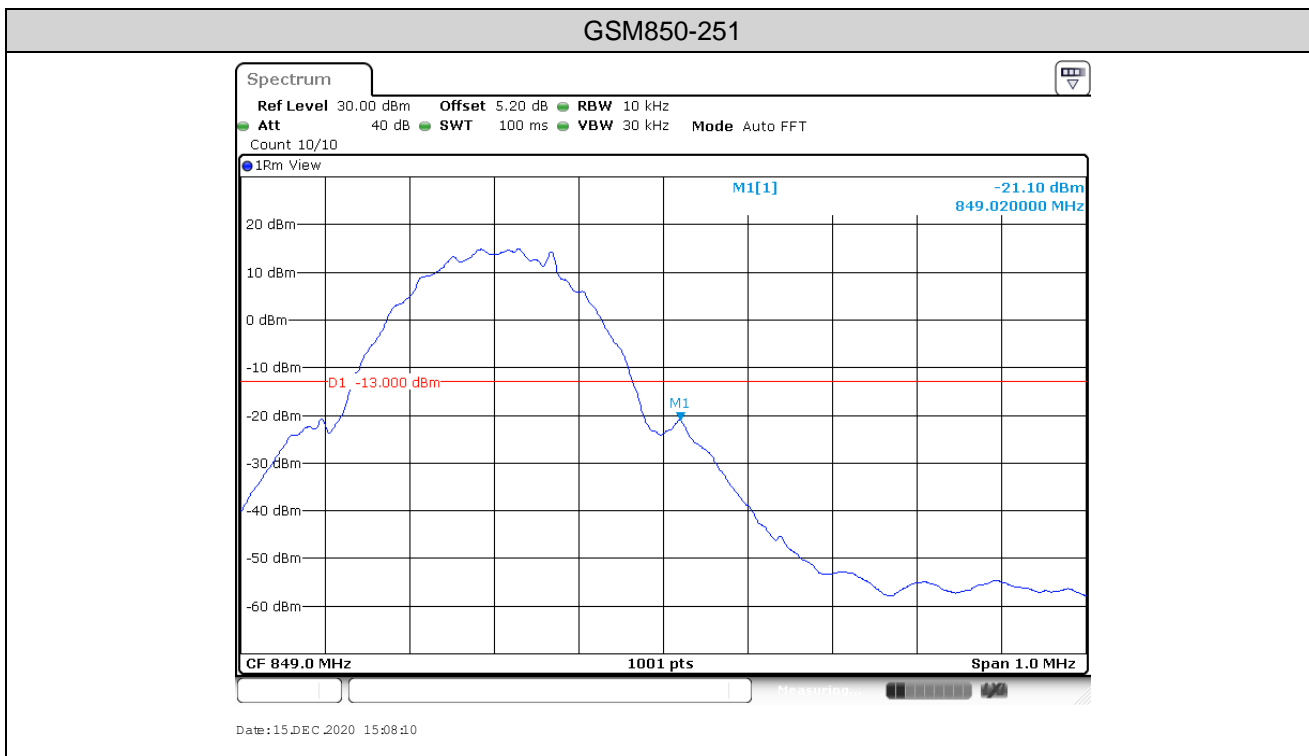
5. Band Edge Compliance

5.1. Test Plots



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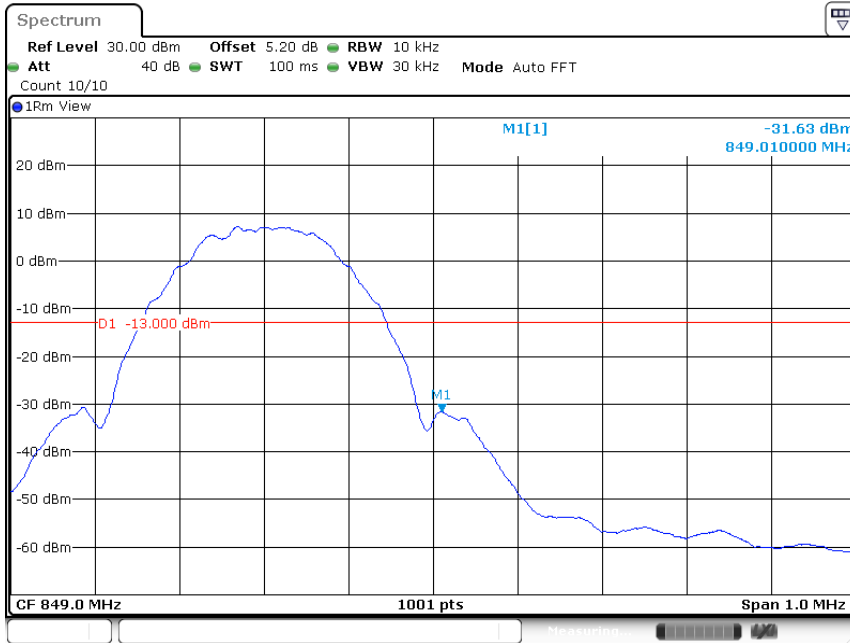


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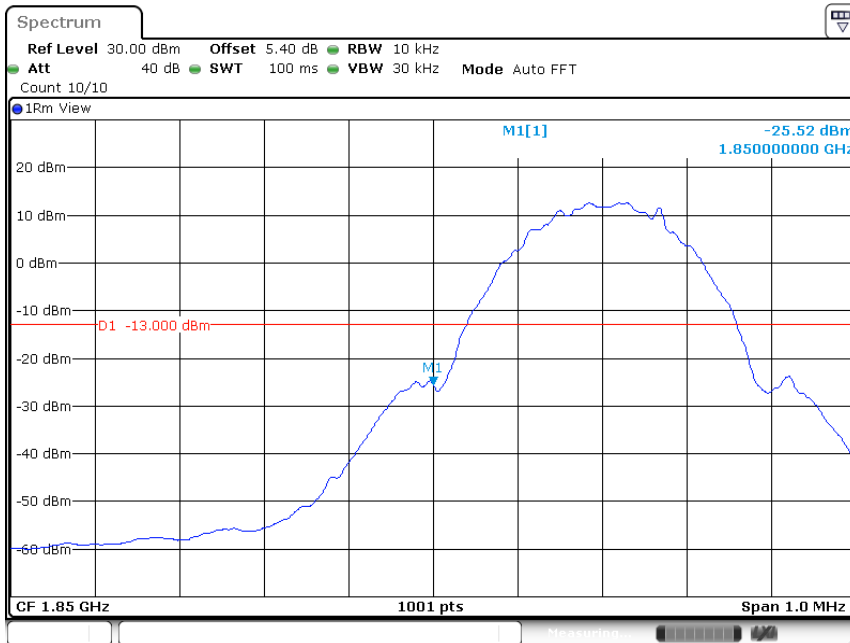
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EGPRS850-251



Date: 15 DEC 2020 15:13:58

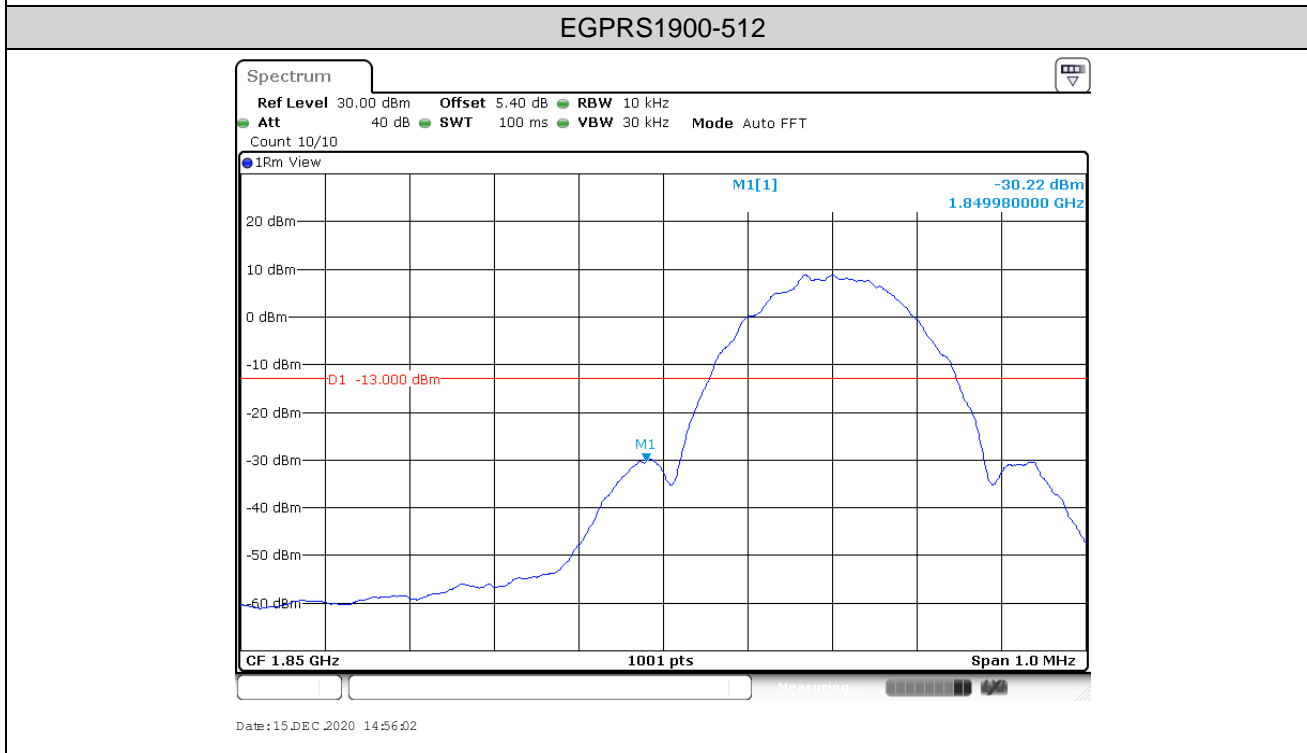
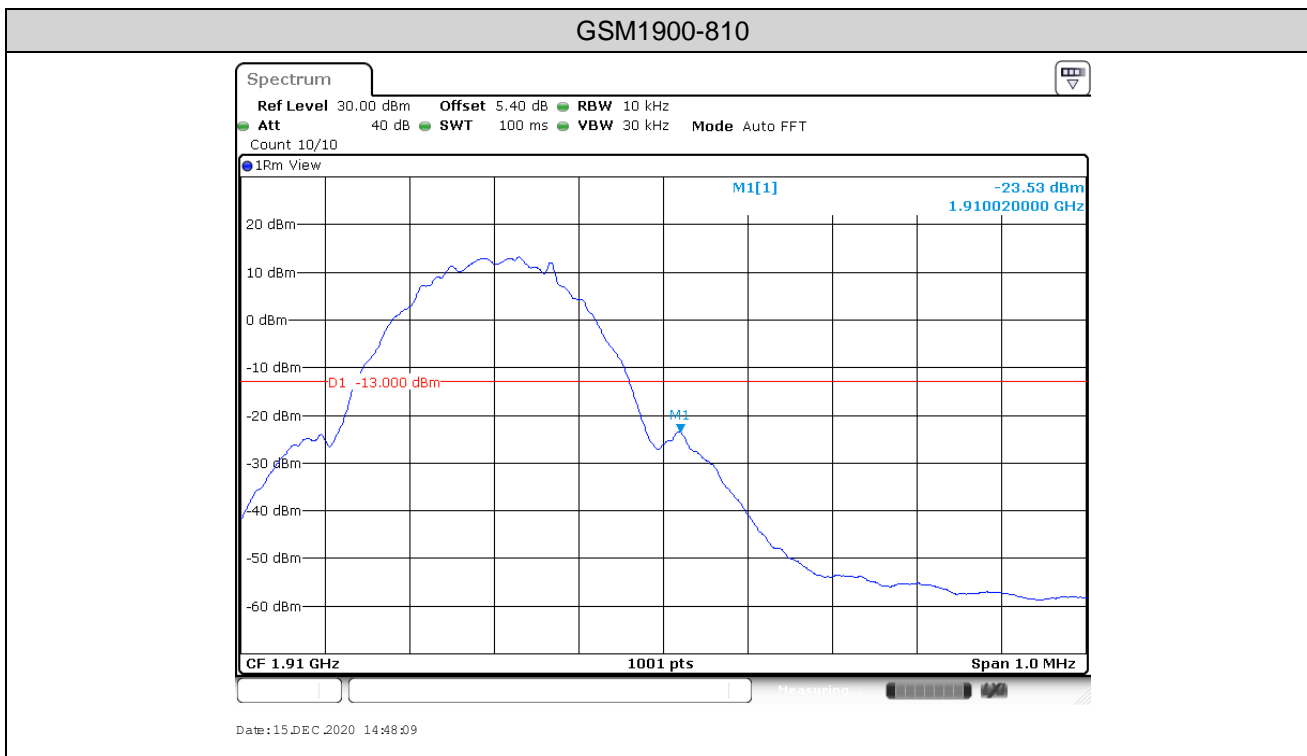
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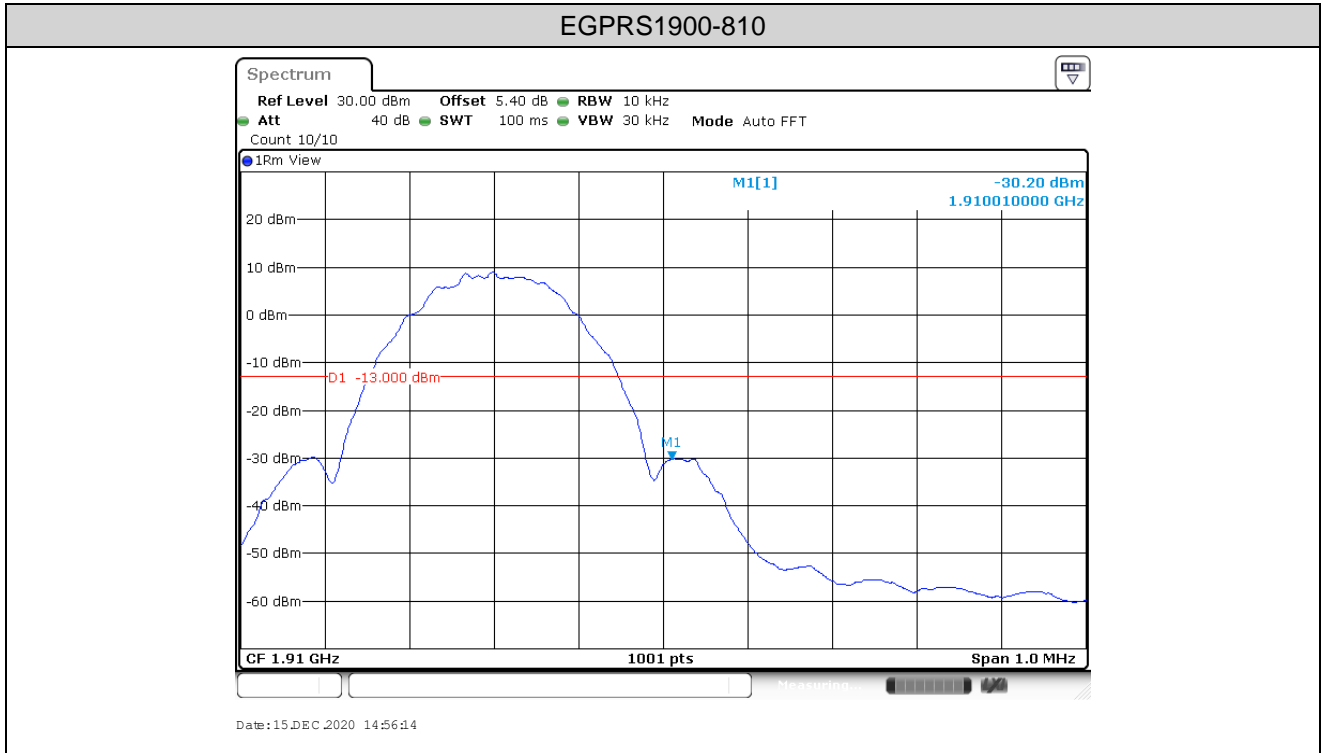


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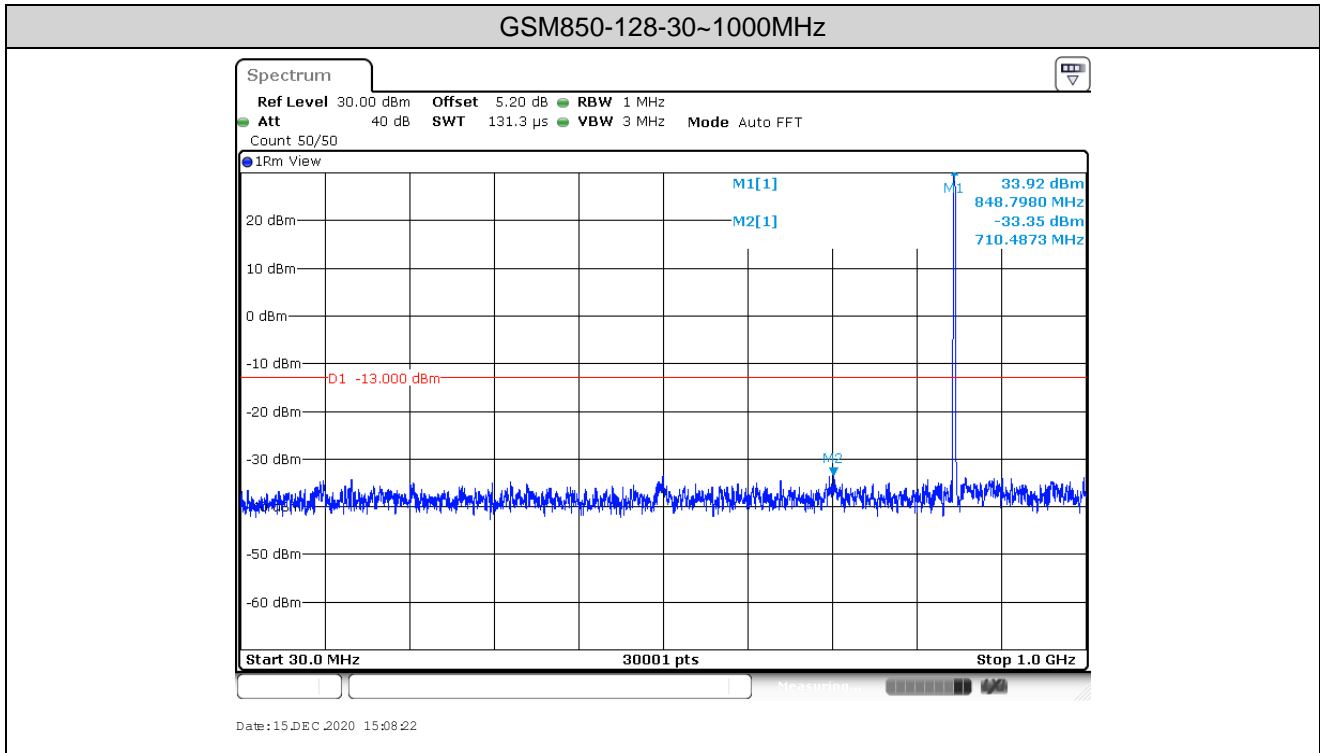
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6. Spurious Emission at Antenna Terminal

Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (Span / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

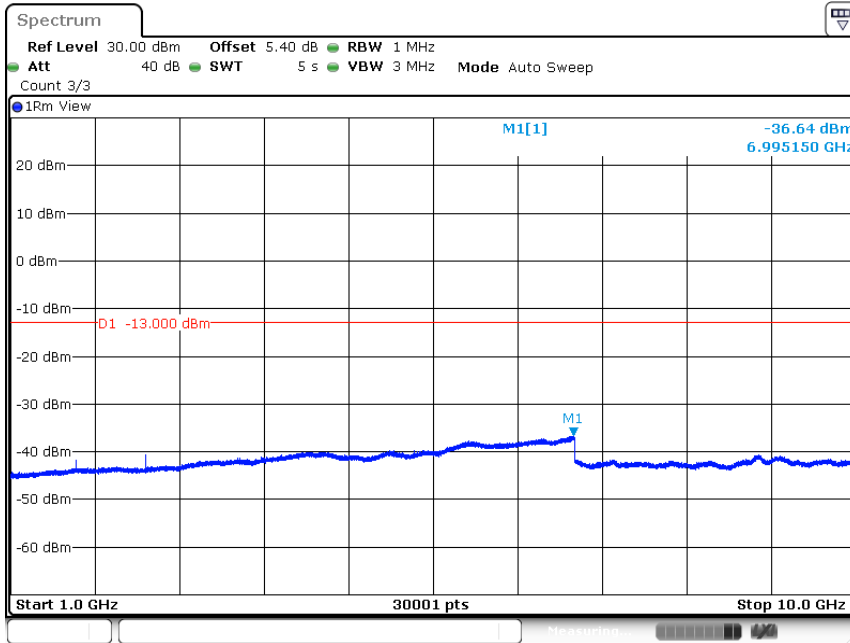
Remark2: only the worst case data displayed in this report.

6.1. Test Plots



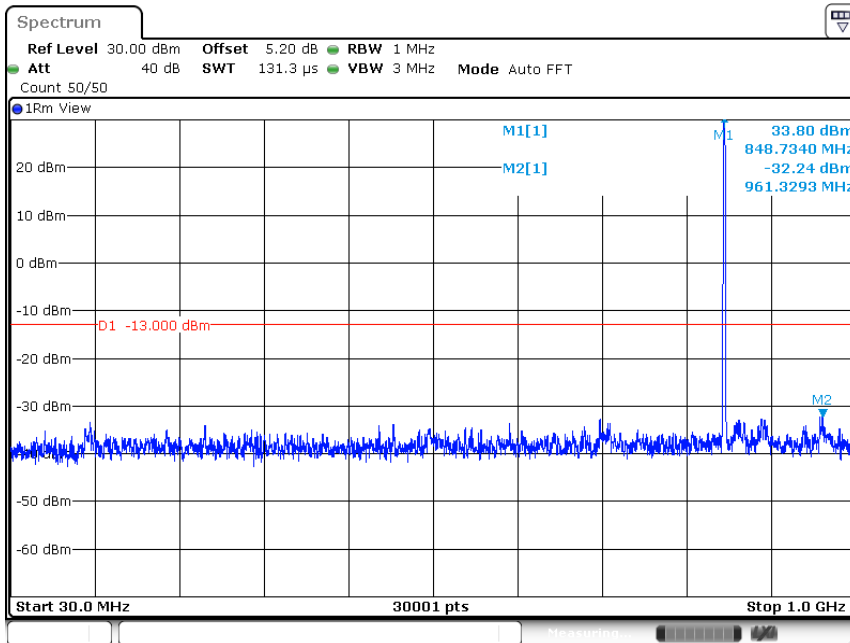
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GSM850-128-1000~10000MHz



Date: 15 DEC 2020 15:08:46

GSM850-190-30~1000MHz

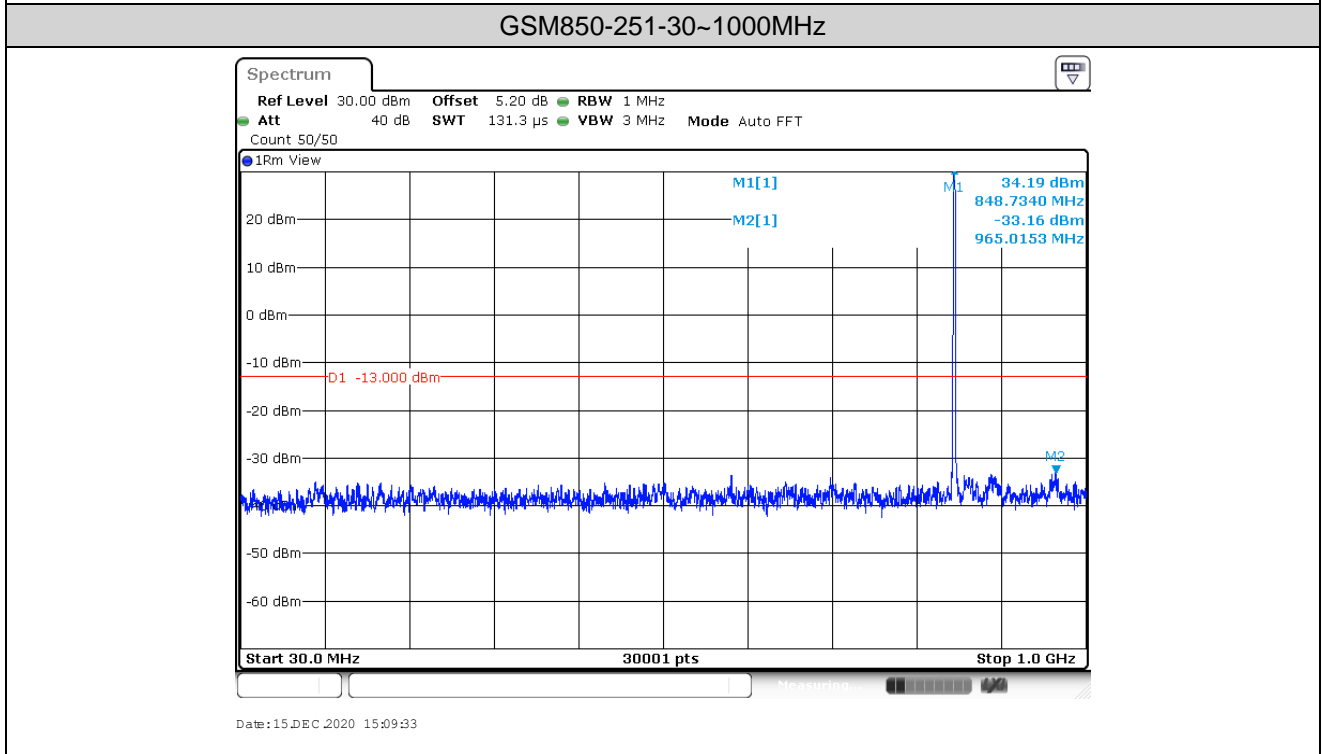
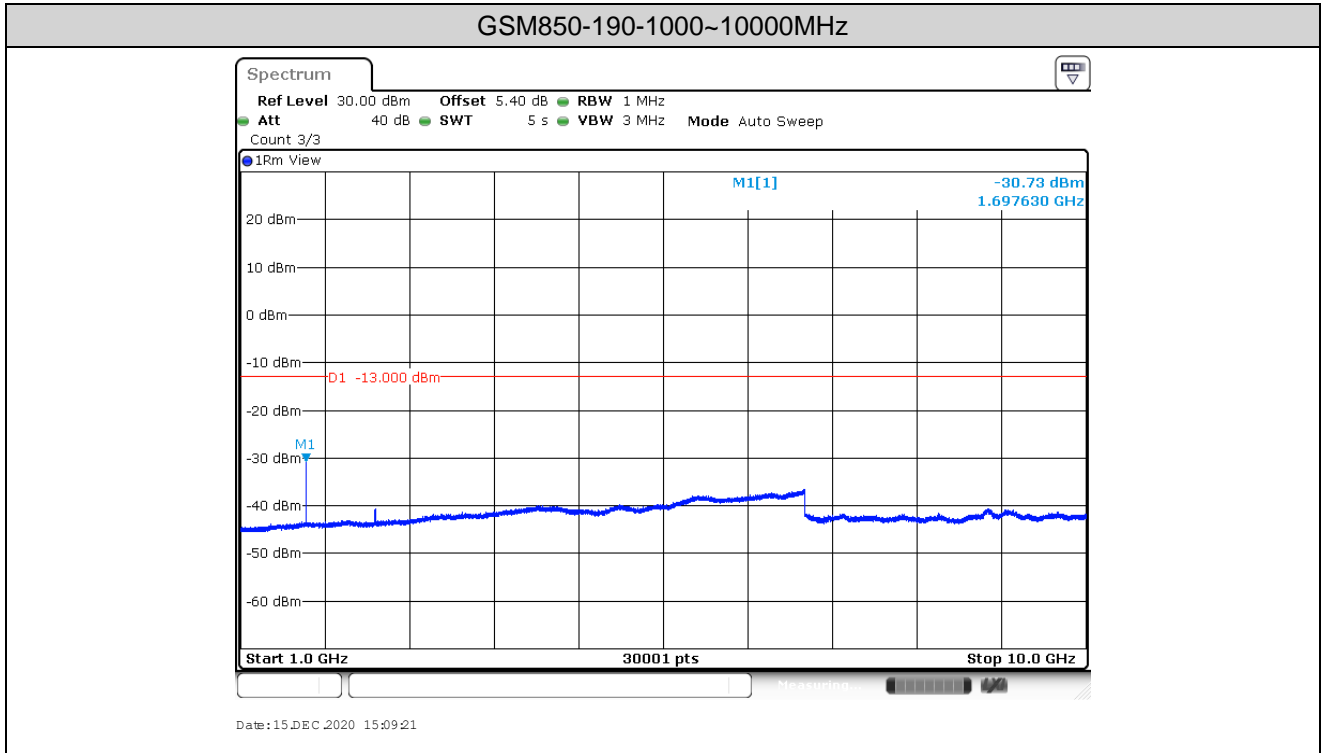


Date: 15 DEC 2020 15:08:57



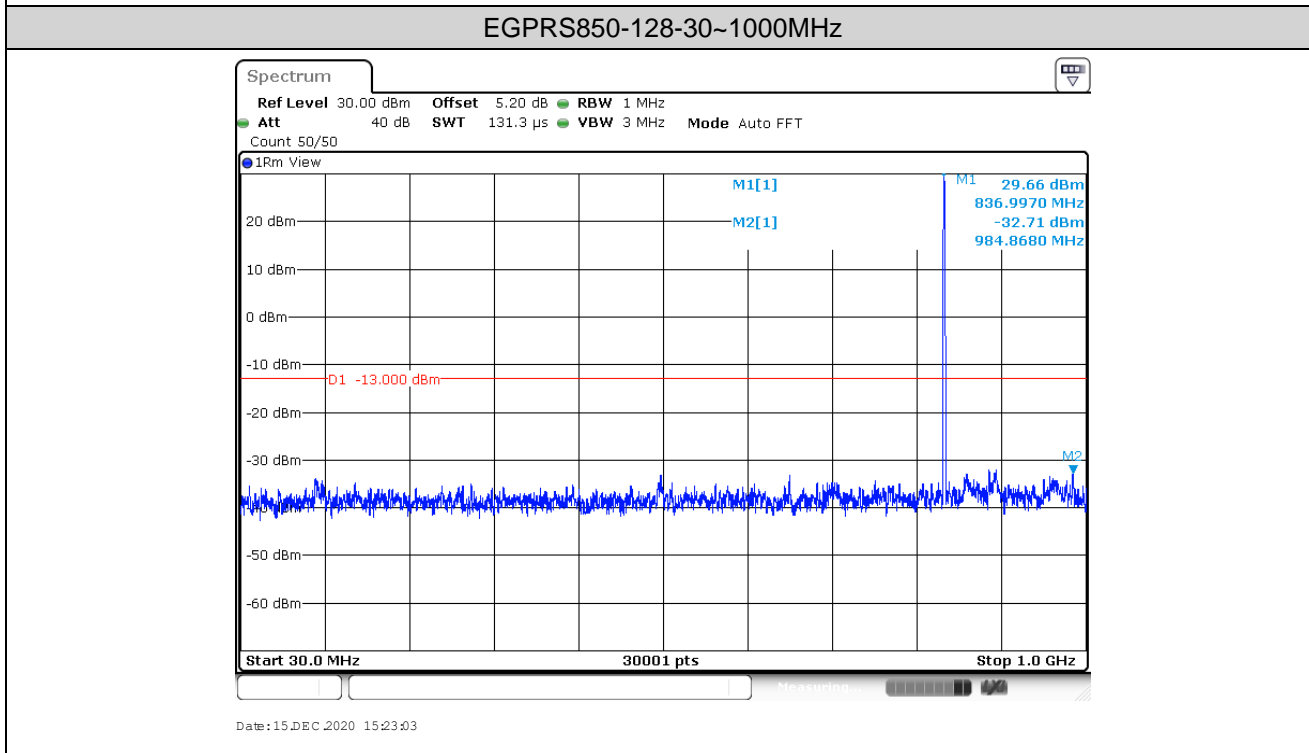
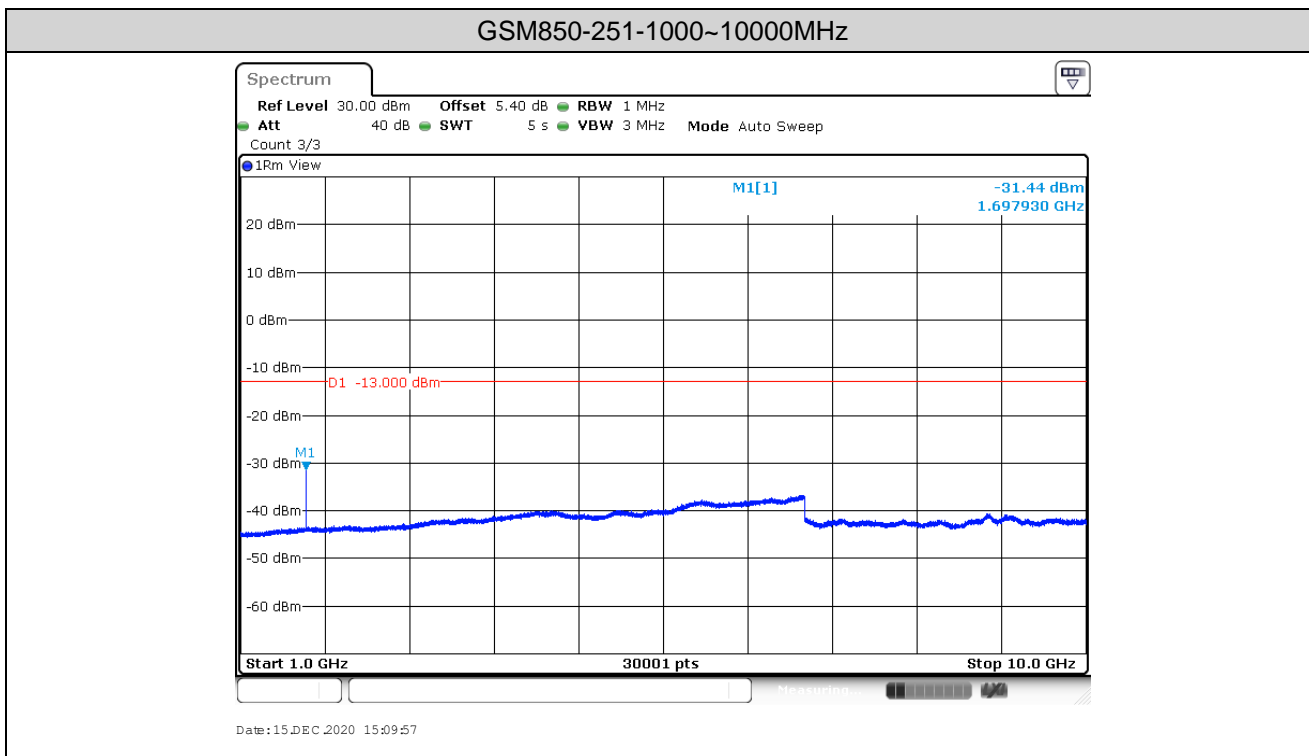
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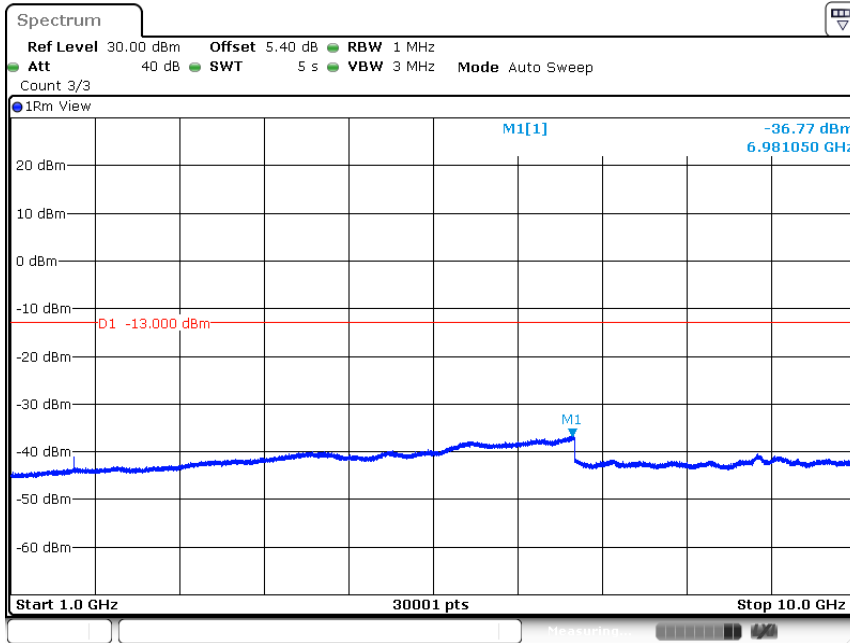
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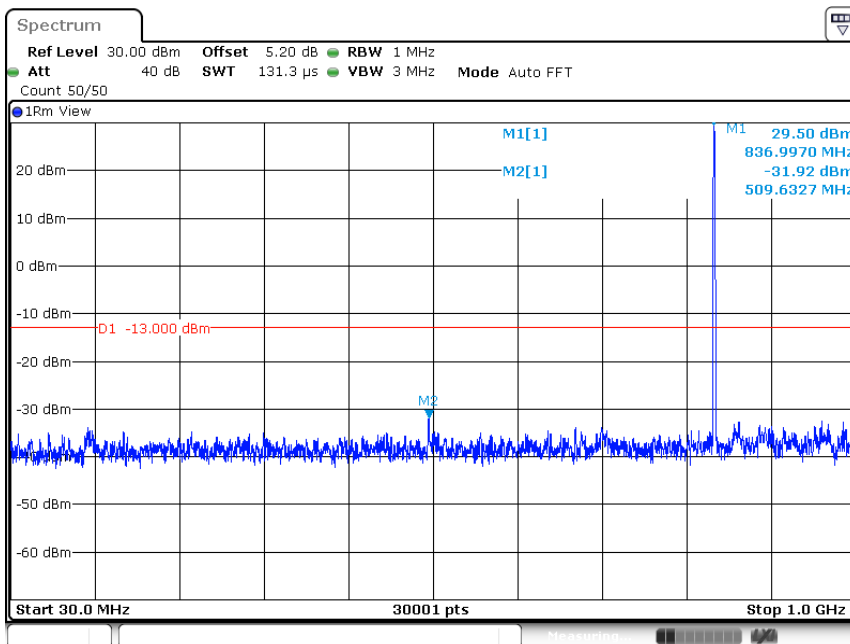
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EGPRS850-128-1000~10000MHz



Date: 15 DEC 2020 15:23:27

EGPRS850-190-30~1000MHz

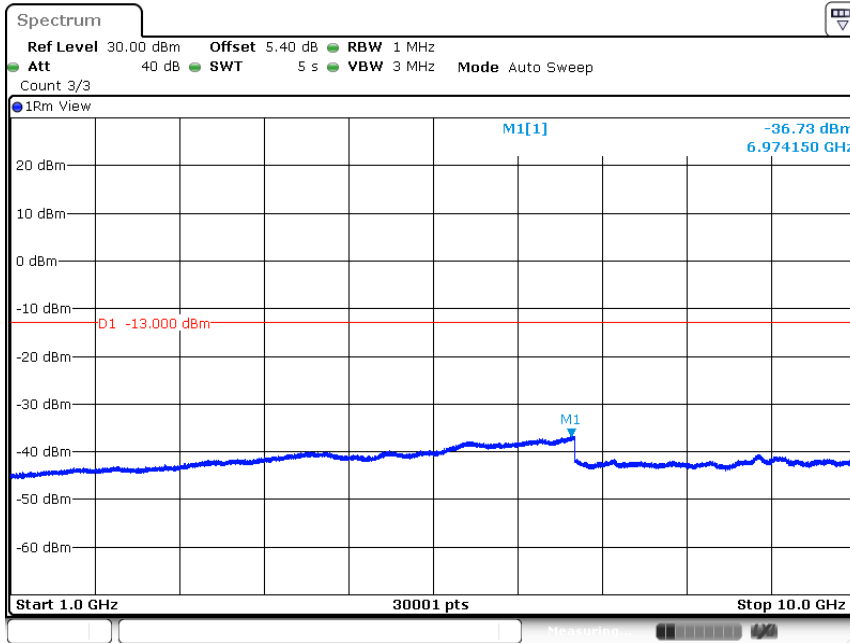


Date: 15 DEC 2020 15:23:39



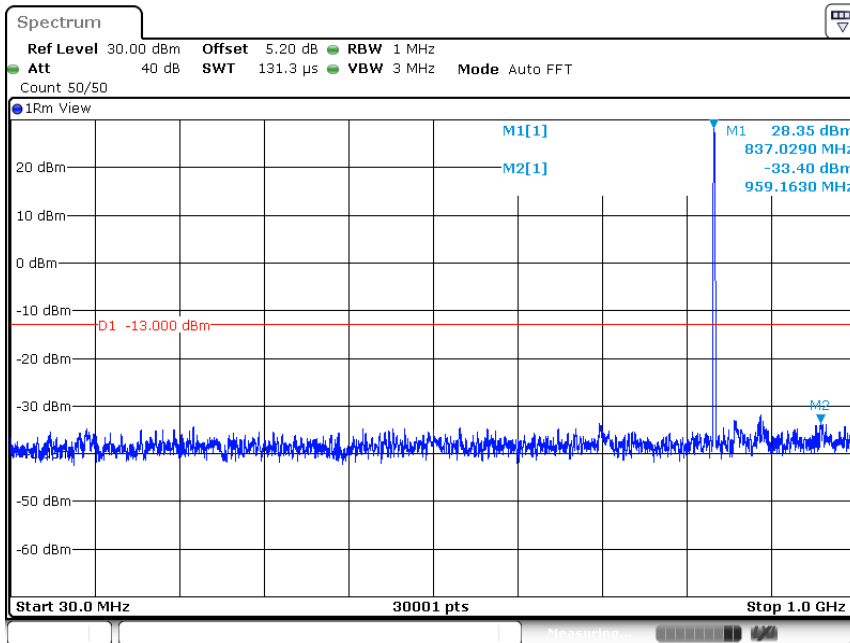
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EGPRS850-190-1000~10000MHz



Date: 15 DEC 2020 15:24:03

EGPRS850-251-30~1000MHz

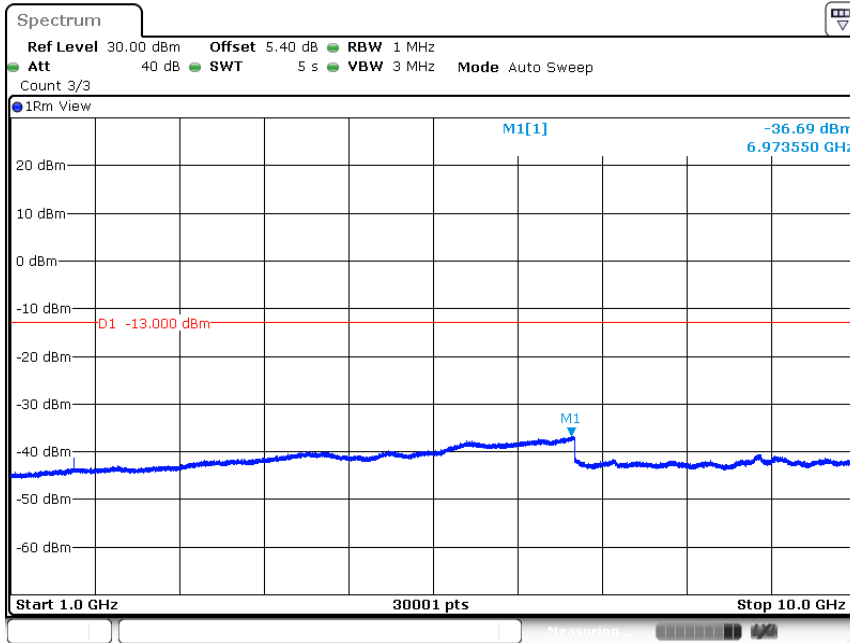


Date: 15 DEC 2020 15:24:15



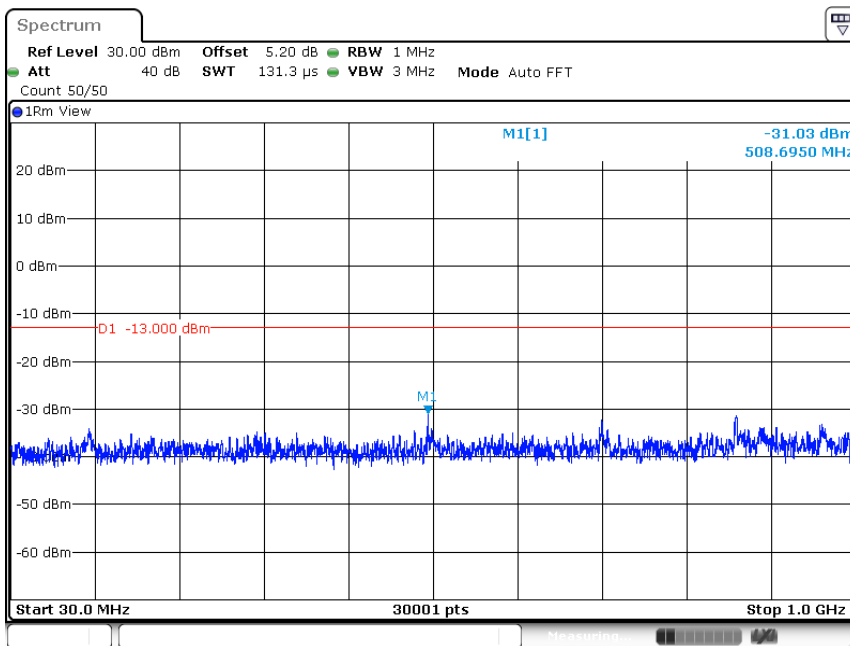
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EGPRS850-251-1000~10000MHz



Date: 15 DEC 2020 15:24:39

GSM1900-512-30~1000MHz

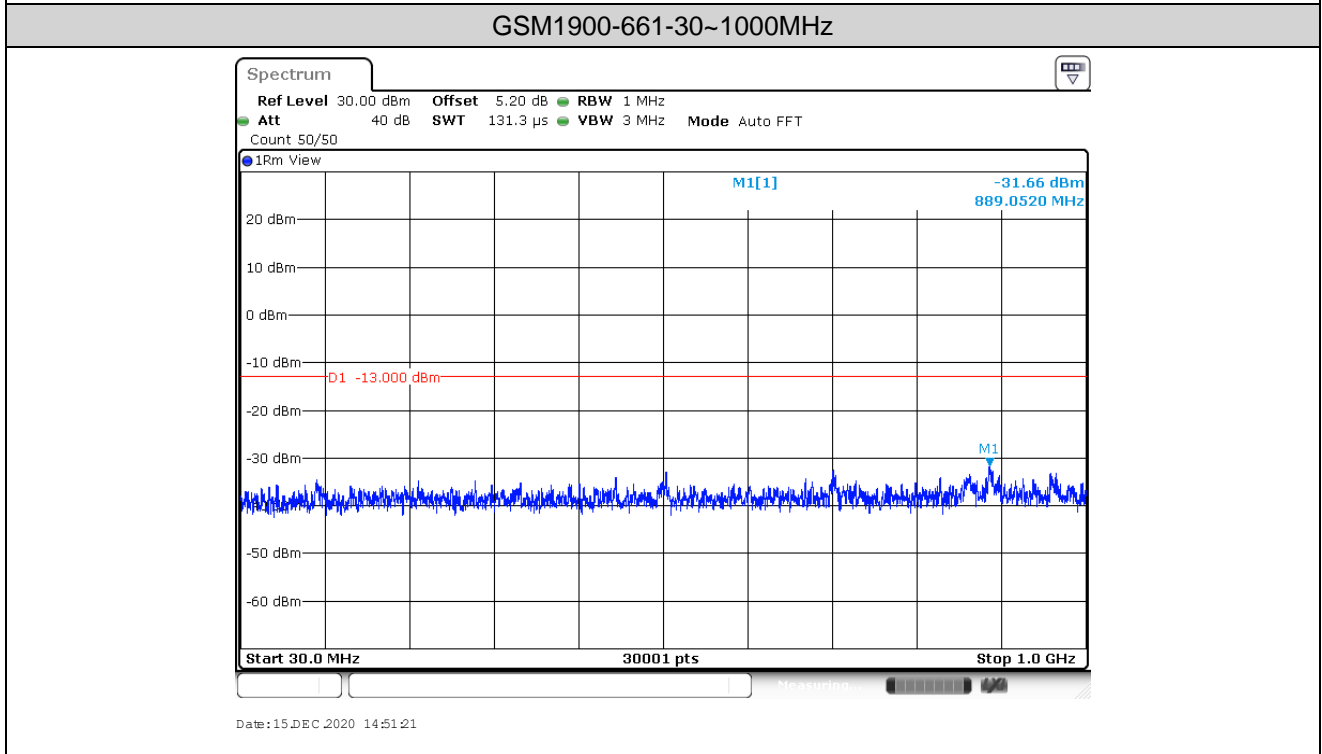
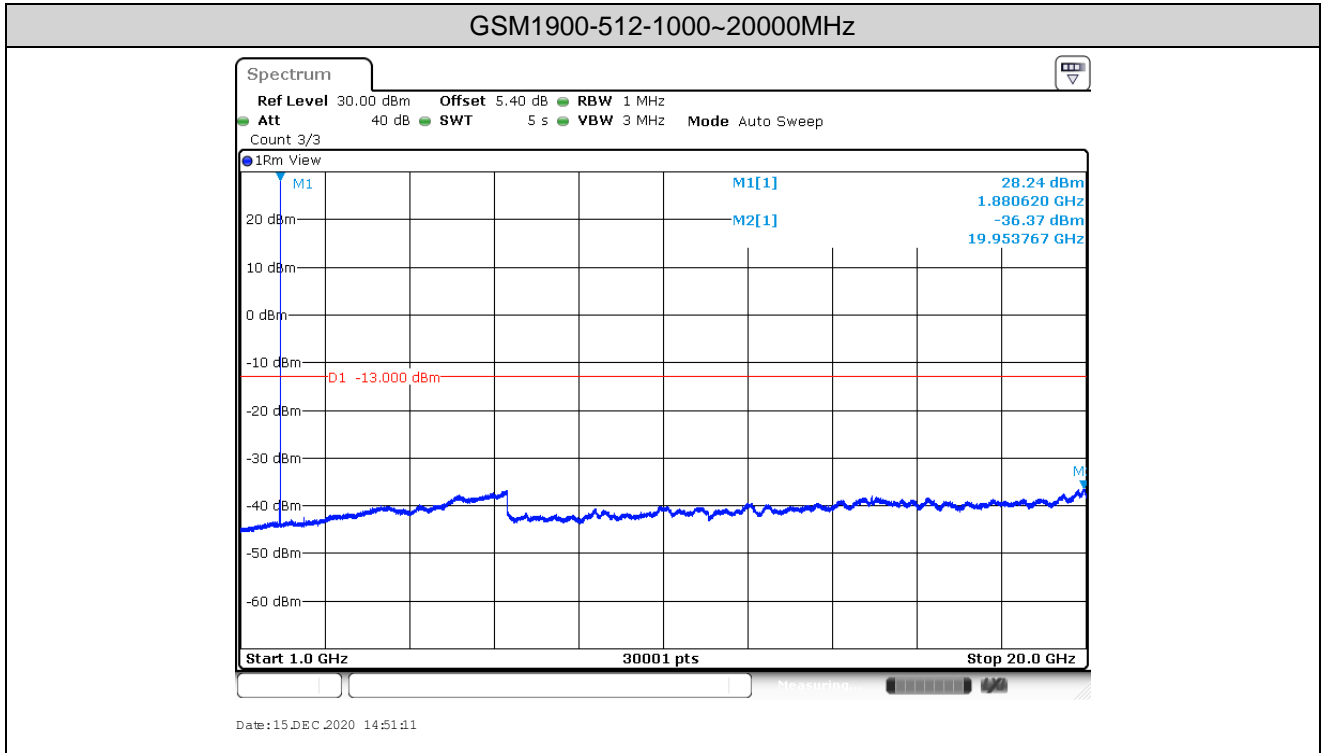


Date: 15 DEC 2020 14:50:45



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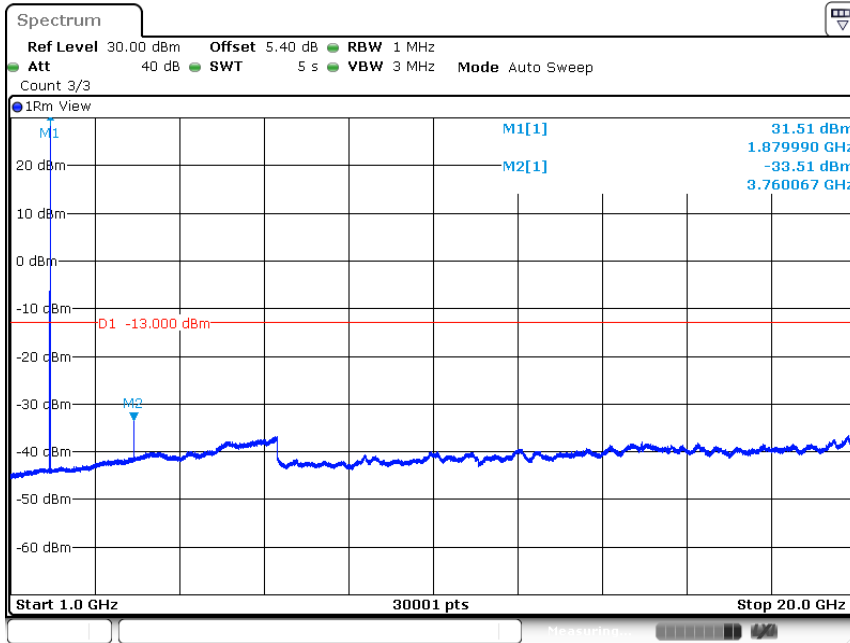


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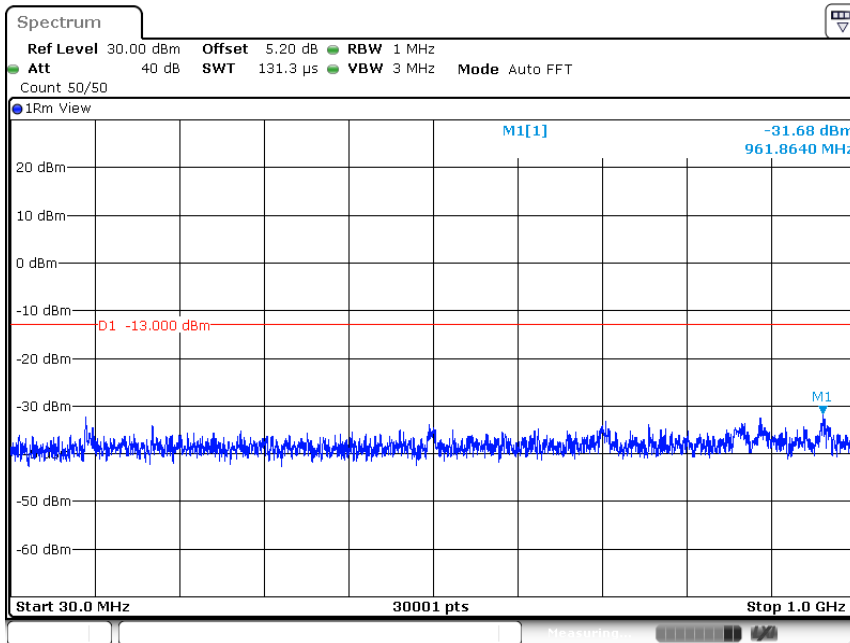
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GSM1900-661-1000~20000MHz



Date: 15 DEC 2020 14:51:46

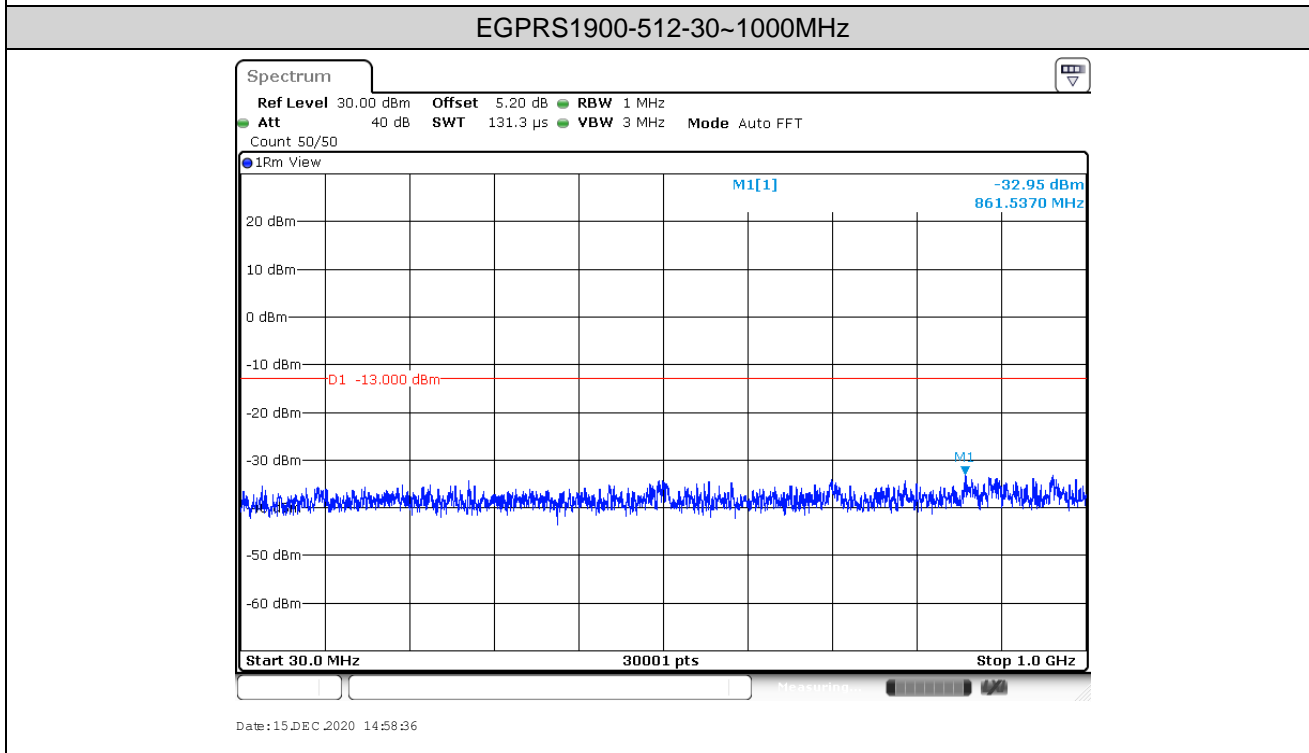
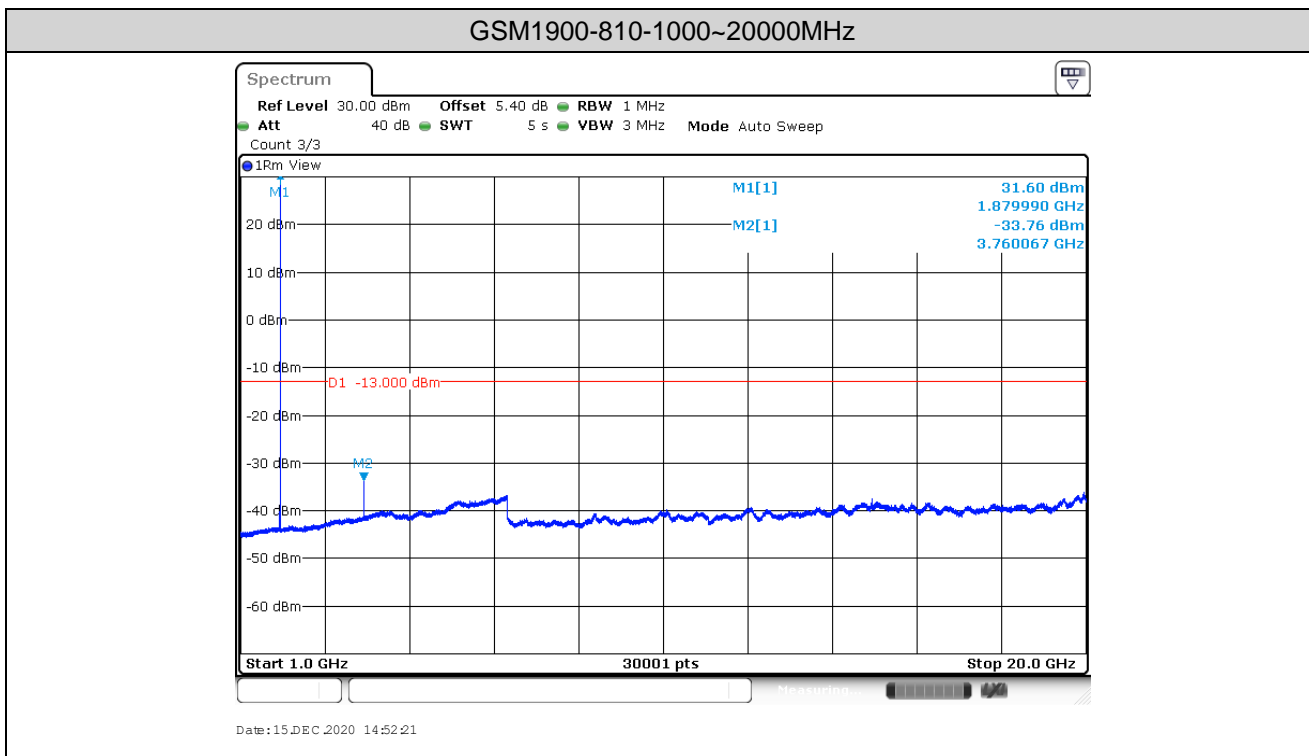
GSM1900-810-30~1000MHz



Date: 15 DEC 2020 14:51:56



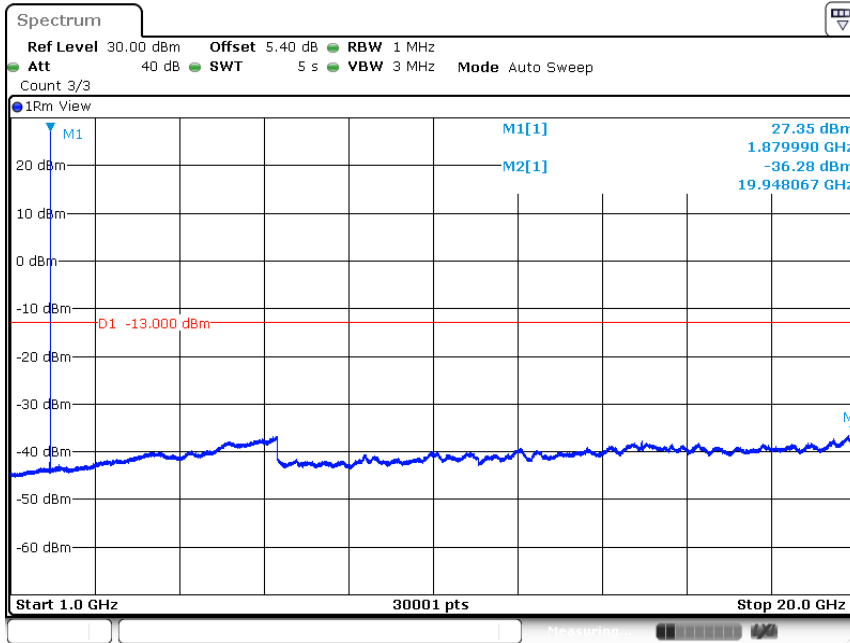
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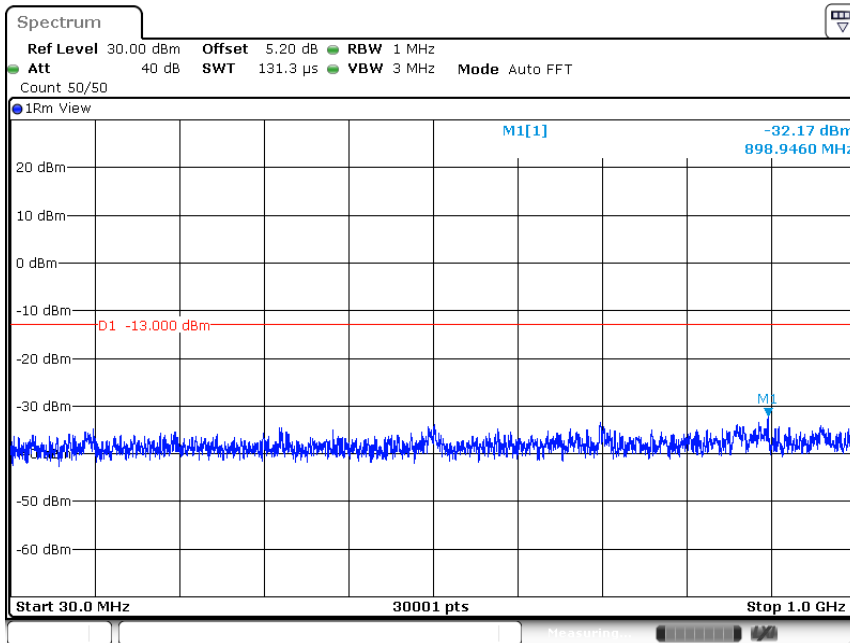
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EGPRS1900-512-1000~20000MHz



Date: 15 DEC 2020 14:59:19

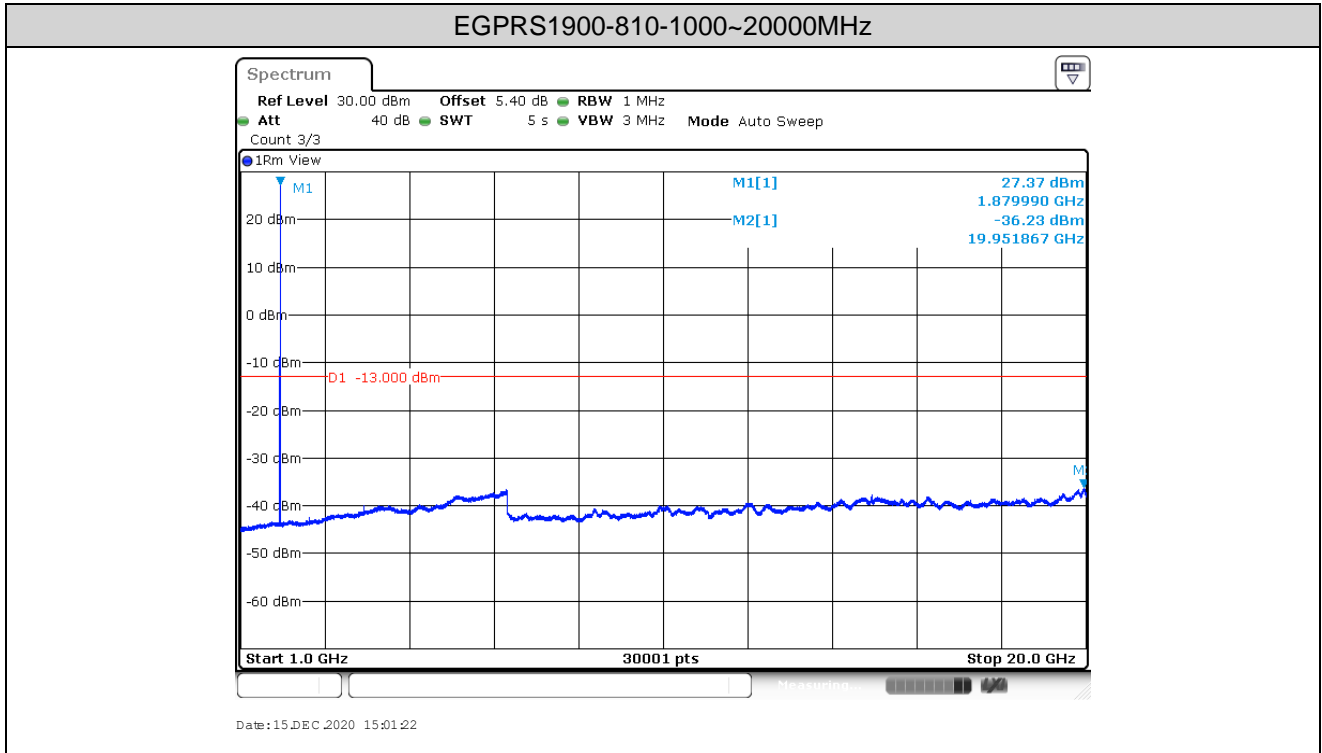
EGPRS1900-661-30~1000MHz



Date: 15 DEC 2020 14:59:30



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7. Field Strength of Spurious Radiation

7.1. Test Band = GSM 1900(ANT4)

7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
50.127500	-73.29	-13.00	60.29	Vertical
90.964500	-75.09	-13.00	62.09	Vertical
317.120000	-75.30	-13.00	62.30	Vertical
3700.350000	-51.88	-13.00	38.88	Vertical
5550.450000	-50.36	-13.00	37.36	Vertical
9130.250000	-51.31	-13.00	38.31	Vertical
59.633500	-71.11	-13.00	58.11	Horizontal
88.927500	-72.79	-13.00	59.79	Horizontal
194.172500	-75.10	-13.00	62.10	Horizontal
3700.000000	-47.95	-13.00	34.96	Horizontal
5550.450000	-46.59	-13.00	33.59	Horizontal
9207.250000	-51.32	-13.00	38.32	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
50.467000	-74.11	-13.00	61.11	Vertical
90.479500	-74.75	-13.00	61.75	Vertical
312.221500	-74.33	-13.00	61.33	Vertical
3897.400000	-55.45	-13.00	42.45	Vertical
5640.050000	-50.09	-13.00	37.09	Vertical
9255.900000	-50.85	-13.00	37.85	Vertical
61.719000	-70.85	-13.00	57.85	Horizontal
90.091500	-72.56	-13.00	59.56	Horizontal
189.759000	-74.73	-13.00	61.73	Horizontal
3759.850000	-51.64	-13.00	38.64	Horizontal
5640.050000	-51.56	-13.00	38.56	Horizontal
8452.300000	-52.32	-13.00	39.32	Horizontal



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7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
49.885000	-74.00	-13.00	61.00	Vertical
104.302000	-74.98	-13.00	61.98	Vertical
315.810500	-73.69	-13.00	60.69	Vertical
3819.700000	-53.73	-13.00	40.73	Vertical
5729.300000	-49.26	-13.00	36.26	Vertical
9443.500000	-51.50	-13.00	38.50	Vertical
59.682000	-71.15	-13.00	58.15	Horizontal
191.359500	-74.38	-13.00	61.38	Horizontal
466.500000	-75.78	-13.00	62.78	Horizontal
3819.350000	-51.89	-13.00	38.89	Horizontal
5729.300000	-48.59	-13.00	35.59	Horizontal
9242.600000	-50.68	-13.00	37.68	Horizontal

7.2. Test Band = GSM 850(ANT1)

7.2.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
50.370000	-72.59	-13.00	59.59	Vertical
90.479500	-75.90	-13.00	62.90	Vertical
322.018500	-75.20	-13.00	62.20	Vertical
1523.925000	-53.69	-13.00	40.69	Vertical
2561.625000	-46.34	-13.00	33.34	Vertical
4836.100000	-55.49	-13.00	42.49	Vertical
62.543500	-69.57	-13.00	56.57	Horizontal
90.528000	-71.92	-13.00	58.92	Horizontal
205.764000	-74.23	-13.00	61.23	Horizontal
1495.875000	-54.44	-13.00	41.44	Horizontal
2472.900000	-45.76	-13.00	32.76	Horizontal
4308.650000	-55.03	-13.00	42.03	Horizontal



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7.2.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
50.030500	-73.51	-13.00	60.51	Vertical
90.479500	-76.73	-13.00	63.73	Vertical
311.542500	-75.37	-13.00	62.37	Vertical
1557.825000	-54.41	-13.00	41.41	Vertical
2616.825000	-46.65	-13.00	33.65	Vertical
4422.750000	-55.98	-13.00	42.98	Vertical
61.040000	-68.08	-13.00	55.08	Horizontal
91.110000	-72.29	-13.00	59.29	Horizontal
203.678500	-75.36	-13.00	62.36	Horizontal
1458.425000	-54.10	-13.00	41.10	Horizontal
2372.250000	-46.79	-13.00	33.79	Horizontal
4334.200000	-55.08	-13.00	42.08	Horizontal

7.2.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
50.176000	-74.61	-13.00	61.61	Vertical
104.302000	-75.91	-13.00	62.91	Vertical
319.060000	-75.02	-13.00	62.02	Vertical
1699.800000	-52.13	-13.00	39.13	Vertical
2426.100000	-46.15	-13.00	33.15	Vertical
4495.900000	-55.98	-13.00	42.98	Vertical
59.973000	-71.16	-13.00	58.16	Horizontal
89.364000	-72.37	-13.00	59.37	Horizontal
192.184000	-73.62	-13.00	60.62	Horizontal
1469.325000	-53.94	-13.00	40.94	Horizontal
2391.750000	-46.51	-13.00	33.51	Horizontal
4482.250000	-55.02	-13.00	42.02	Horizontal



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7.3. Test Band = GSM 1900(ANT3)

7.3.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
50.030500	-74.52	-13.00	61.52	Vertical
89.752000	-72.00	-13.00	59.00	Vertical
319.157000	-74.40	-13.00	61.40	Vertical
4246.700000	-56.03	-13.00	43.03	Vertical
5550.450000	-51.28	-13.00	38.28	Vertical
9215.300000	-50.05	-13.00	37.05	Vertical
60.700500	-70.77	-13.00	57.77	Horizontal
89.655000	-69.27	-13.00	56.27	Horizontal
192.087000	-74.20	-13.00	61.20	Horizontal
4228.500000	-54.75	-13.00	41.75	Horizontal
5550.450000	-51.13	-13.00	38.13	Horizontal
9242.600000	-51.00	-13.00	38.00	Horizontal

7.3.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
49.594000	-73.06	-13.00	60.06	Vertical
90.091500	-70.28	-13.00	57.28	Vertical
315.956000	-74.27	-13.00	61.27	Vertical
3759.850000	-55.19	-13.00	42.19	Vertical
5639.700000	-46.69	-13.00	33.69	Vertical
9206.550000	-50.82	-13.00	37.82	Vertical
89.218500	-69.25	-13.00	56.25	Horizontal
185.685000	-74.98	-13.00	61.98	Horizontal
454.666000	-75.80	-13.00	62.80	Horizontal
4004.150000	-56.36	-13.00	43.36	Horizontal
5640.050000	-47.20	-13.00	34.20	Horizontal
9106.100000	-50.98	-13.00	37.98	Horizontal



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7.3.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
49.691000	-74.07	-13.00	61.07	Vertical
90.528000	-71.13	-13.00	58.13	Vertical
316.732000	-73.51	-13.00	60.51	Vertical
4306.200000	-55.08	-13.00	42.08	Vertical
5728.950000	-51.27	-13.00	38.27	Vertical
9095.600000	-51.36	-13.00	38.36	Vertical
60.215500	-70.92	-13.00	57.92	Horizontal
89.267000	-71.97	-13.00	58.97	Horizontal
192.911500	-74.48	-13.00	61.48	Horizontal
3819.000000	-55.96	-13.00	42.96	Horizontal
6074.400000	-53.24	-13.00	40.24	Horizontal
9082.300000	-51.67	-13.00	38.67	Horizontal

7.4. Test Band = GSM 850(ANT0)

7.4.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
49.497000	-73.30	-13.00	60.30	Vertical
90.528000	-72.35	-13.00	59.35	Vertical
313.870500	-74.05	-13.00	61.05	Vertical
1524.600000	-54.39	-13.00	41.39	Vertical
2544.000000	-46.47	-13.00	33.47	Vertical
4872.500000	-55.17	-13.00	42.17	Vertical
59.100000	-71.52	-13.00	58.52	Horizontal
90.285500	-70.84	-13.00	57.84	Horizontal
194.221000	-74.63	-13.00	61.63	Horizontal
1456.900000	-54.82	-13.00	41.82	Horizontal
2659.425000	-46.14	-13.00	33.14	Horizontal
4403.150000	-54.77	-13.00	41.77	Horizontal



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7.4.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
50.758000	-74.22	-13.00	61.22	Vertical
89.703500	-71.69	-13.00	58.69	Vertical
312.124500	-74.71	-13.00	61.71	Vertical
1629.675000	-52.90	-13.00	39.90	Vertical
2573.175000	-45.89	-13.00	32.89	Vertical
4243.550000	-54.77	-13.00	41.77	Vertical
59.536500	-70.71	-13.00	57.71	Horizontal
89.170000	-70.18	-13.00	57.18	Horizontal
195.142500	-73.67	-13.00	60.67	Horizontal
1444.900000	-54.77	-13.00	41.77	Horizontal
2366.625000	-46.61	-13.00	33.61	Horizontal
4289.400000	-54.95	-13.00	41.95	Horizontal

7.4.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
49.933500	-73.32	-13.00	60.32	Vertical
89.994500	-75.17	-13.00	62.17	Vertical
316.732000	-75.14	-13.00	62.14	Vertical
1520.625000	-54.81	-13.00	41.81	Vertical
2258.100000	-47.65	-13.00	34.65	Vertical
4507.800000	-55.90	-13.00	42.90	Vertical
59.585000	-70.79	-13.00	57.79	Horizontal
89.655000	-72.34	-13.00	59.34	Horizontal
200.235000	-74.77	-13.00	61.77	Horizontal
1601.925000	-52.51	-13.00	39.51	Horizontal
2546.625000	-45.53	-13.00	32.53	Horizontal
4202.600000	-54.58	-13.00	41.58	Horizontal

Remark:

- 1) According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.
- 2) The disturbance above 12.75GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data had been displayed.



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3)

8. Frequency Stability

8.1. Frequency Error Vs Voltage

Voltage							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	VL	NT	15.69	0.019037	±2.5	PASS
GSM850	128	VN	NT	20.92	0.025382	±2.5	PASS
GSM850	128	VH	NT	23.18	0.028124	±2.5	PASS
GSM850	190	VL	NT	17.89	0.021384	±2.5	PASS
GSM850	190	VN	NT	18.76	0.022424	±2.5	PASS
GSM850	190	VH	NT	15.50	0.018527	±2.5	PASS
GSM850	251	VL	NT	17.95	0.021148	±2.5	PASS
GSM850	251	VN	NT	15.98	0.018827	±2.5	PASS
GSM850	251	VH	NT	21.47	0.025295	±2.5	PASS
EGPRS850	128	VL	NT	33.09	0.040148	±2.5	PASS
EGPRS850	128	VN	NT	32.54	0.039481	±2.5	PASS
EGPRS850	128	VH	NT	34.87	0.042308	±2.5	PASS
EGPRS850	190	VL	NT	34.64	0.041406	±2.5	PASS
EGPRS850	190	VN	NT	31.25	0.037354	±2.5	PASS
EGPRS850	190	VH	NT	28.15	0.033648	±2.5	PASS
EGPRS850	251	VL	NT	33.00	0.038878	±2.5	PASS
EGPRS850	251	VN	NT	31.28	0.036852	±2.5	PASS
EGPRS850	251	VH	NT	33.84	0.039868	±2.5	PASS
GSM1900	512	VL	NT	18.31	0.009896	±2.5	PASS
GSM1900	512	VN	NT	29.44	0.015912	±2.5	PASS
GSM1900	512	VH	NT	21.86	0.011815	±2.5	PASS
GSM1900	661	VL	NT	25.41	0.013516	±2.5	PASS
GSM1900	661	VN	NT	19.05	0.010133	±2.5	PASS
GSM1900	661	VH	NT	19.05	0.010133	±2.5	PASS
GSM1900	810	VL	NT	11.04	0.005781	±2.5	PASS
GSM1900	810	VN	NT	23.54	0.012326	±2.5	PASS
GSM1900	810	VH	NT	22.89	0.011986	±2.5	PASS
EGPRS1900	512	VL	NT	27.15	0.014674	±2.5	PASS
EGPRS1900	512	VN	NT	34.45	0.018620	±2.5	PASS
EGPRS1900	512	VH	NT	37.13	0.020068	±2.5	PASS



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EGPRS1900	661	VL	NT	21.28	0.011319	±2.5	PASS
EGPRS1900	661	VN	NT	40.03	0.021293	±2.5	PASS
EGPRS1900	661	VH	NT	40.62	0.021606	±2.5	PASS
EGPRS1900	810	VL	NT	29.90	0.015656	±2.5	PASS
EGPRS1900	810	VN	NT	31.51	0.016499	±2.5	PASS
EGPRS1900	810	VH	NT	24.60	0.012881	±2.5	PASS

8.2. Frequency Error Vs Temperature

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	NV	-30	19.44	0.023587	±2.5	PASS
GSM850	128	NV	-20	21.11	0.025613	±2.5	PASS
GSM850	128	NV	-10	25.89	0.031412	±2.5	PASS
GSM850	128	NV	0	16.34	0.019825	±2.5	PASS
GSM850	128	NV	10	17.95	0.021779	±2.5	PASS
GSM850	128	NV	20	18.08	0.021936	±2.5	PASS
GSM850	128	NV	30	21.63	0.026244	±2.5	PASS
GSM850	128	NV	40	21.08	0.025576	±2.5	PASS
GSM850	128	NV	50	19.76	0.023975	±2.5	PASS
GSM850	190	NV	-30	13.88	0.016591	±2.5	PASS
GSM850	190	NV	-20	12.62	0.015085	±2.5	PASS
GSM850	190	NV	-10	22.54	0.026942	±2.5	PASS
GSM850	190	NV	0	10.59	0.012658	±2.5	PASS
GSM850	190	NV	10	20.15	0.024086	±2.5	PASS
GSM850	190	NV	20	18.50	0.022113	±2.5	PASS
GSM850	190	NV	30	14.59	0.017440	±2.5	PASS
GSM850	190	NV	40	12.33	0.014738	±2.5	PASS
GSM850	190	NV	50	9.81	0.011726	±2.5	PASS
GSM850	251	NV	-30	18.56	0.021866	±2.5	PASS
GSM850	251	NV	-20	18.31	0.021572	±2.5	PASS
GSM850	251	NV	-10	15.88	0.018709	±2.5	PASS
GSM850	251	NV	0	23.15	0.027274	±2.5	PASS
GSM850	251	NV	10	21.86	0.025754	±2.5	PASS
GSM850	251	NV	20	20.66	0.024340	±2.5	PASS
GSM850	251	NV	30	19.76	0.023280	±2.5	PASS
GSM850	251	NV	40	17.98	0.021183	±2.5	PASS



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GSM850	251	NV	50	17.01	0.020040	±2.5	PASS
EGPRS850	128	NV	-30	34.87	0.042308	±2.5	PASS
EGPRS850	128	NV	-20	35.90	0.043557	±2.5	PASS
EGPRS850	128	NV	-10	36.55	0.044346	±2.5	PASS
EGPRS850	128	NV	0	35.51	0.043084	±2.5	PASS
EGPRS850	128	NV	10	35.19	0.042696	±2.5	PASS
EGPRS850	128	NV	20	33.74	0.040937	±2.5	PASS
EGPRS850	128	NV	30	31.06	0.037685	±2.5	PASS
EGPRS850	128	NV	40	30.93	0.037527	±2.5	PASS
EGPRS850	128	NV	50	34.58	0.041956	±2.5	PASS
EGPRS850	190	NV	-30	31.77	0.037975	±2.5	PASS
EGPRS850	190	NV	-20	31.06	0.037126	±2.5	PASS
EGPRS850	190	NV	-10	25.76	0.030791	±2.5	PASS
EGPRS850	190	NV	0	31.83	0.038047	±2.5	PASS
EGPRS850	190	NV	10	27.80	0.033230	±2.5	PASS
EGPRS850	190	NV	20	32.12	0.038393	±2.5	PASS
EGPRS850	190	NV	30	26.25	0.031377	±2.5	PASS
EGPRS850	190	NV	40	32.12	0.038393	±2.5	PASS
EGPRS850	190	NV	50	25.25	0.030182	±2.5	PASS
EGPRS850	251	NV	-30	36.84	0.043402	±2.5	PASS
EGPRS850	251	NV	-20	32.25	0.037995	±2.5	PASS
EGPRS850	251	NV	-10	35.55	0.041883	±2.5	PASS
EGPRS850	251	NV	0	30.15	0.035521	±2.5	PASS
EGPRS850	251	NV	10	35.42	0.041730	±2.5	PASS
EGPRS850	251	NV	20	30.12	0.035485	±2.5	PASS
EGPRS850	251	NV	30	33.19	0.039102	±2.5	PASS
EGPRS850	251	NV	40	27.70	0.032634	±2.5	PASS
EGPRS850	251	NV	50	32.29	0.038042	±2.5	PASS
GSM1900	512	NV	-30	23.89	0.012912	±2.5	PASS
GSM1900	512	NV	-20	25.54	0.013804	±2.5	PASS
GSM1900	512	NV	-10	26.02	0.014063	±2.5	PASS
GSM1900	512	NV	0	25.12	0.013577	±2.5	PASS
GSM1900	512	NV	10	26.28	0.014204	±2.5	PASS
GSM1900	512	NV	20	25.41	0.013734	±2.5	PASS
GSM1900	512	NV	30	26.25	0.014188	±2.5	PASS
GSM1900	512	NV	40	26.70	0.014431	±2.5	PASS
GSM1900	512	NV	50	25.99	0.014047	±2.5	PASS



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GSM1900	661	NV	-20	31.61	0.016814	±2.5	PASS
GSM1900	661	NV	-10	28.41	0.015112	±2.5	PASS
GSM1900	661	NV	0	24.31	0.012931	±2.5	PASS
GSM1900	661	NV	10	19.69	0.010473	±2.5	PASS
GSM1900	661	NV	20	27.64	0.014702	±2.5	PASS
GSM1900	661	NV	30	33.71	0.017931	±2.5	PASS
GSM1900	661	NV	40	28.51	0.015165	±2.5	PASS
GSM1900	661	NV	50	27.54	0.014649	±2.5	PASS
GSM1900	810	NV	-30	12.69	0.006645	±2.5	PASS
GSM1900	810	NV	-20	25.76	0.013488	±2.5	PASS
GSM1900	810	NV	-10	23.63	0.012373	±2.5	PASS
GSM1900	810	NV	0	22.89	0.011986	±2.5	PASS
GSM1900	810	NV	10	22.08	0.011561	±2.5	PASS
GSM1900	810	NV	20	20.57	0.010771	±2.5	PASS
GSM1900	810	NV	30	17.18	0.008996	±2.5	PASS
GSM1900	810	NV	40	15.98	0.008367	±2.5	PASS
GSM1900	810	NV	50	15.76	0.008252	±2.5	PASS
EGPRS1900	512	NV	-30	28.12	0.015198	±2.5	PASS
EGPRS1900	512	NV	-20	20.89	0.011291	±2.5	PASS
EGPRS1900	512	NV	-10	29.38	0.015879	±2.5	PASS
EGPRS1900	512	NV	0	35.81	0.019355	±2.5	PASS
EGPRS1900	512	NV	10	30.41	0.016436	±2.5	PASS
EGPRS1900	512	NV	20	39.00	0.021079	±2.5	PASS
EGPRS1900	512	NV	30	28.28	0.015285	±2.5	PASS
EGPRS1900	512	NV	40	35.06	0.018949	±2.5	PASS
EGPRS1900	512	NV	50	41.84	0.022614	±2.5	PASS
EGPRS1900	661	NV	-30	21.15	0.011250	±2.5	PASS
EGPRS1900	661	NV	-20	23.21	0.012346	±2.5	PASS
EGPRS1900	661	NV	-10	34.22	0.018202	±2.5	PASS
EGPRS1900	661	NV	0	39.65	0.021090	±2.5	PASS
EGPRS1900	661	NV	10	26.64	0.014170	±2.5	PASS
EGPRS1900	661	NV	20	31.45	0.016729	±2.5	PASS
EGPRS1900	661	NV	30	38.13	0.020282	±2.5	PASS
EGPRS1900	661	NV	40	23.50	0.012500	±2.5	PASS
EGPRS1900	661	NV	50	29.09	0.015473	±2.5	PASS
EGPRS1900	810	NV	-30	27.44	0.014368	±2.5	PASS



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EGPRS1900	810	NV	-20	28.28	0.014808	±2.5	PASS
EGPRS1900	810	NV	-10	31.12	0.016295	±2.5	PASS
EGPRS1900	810	NV	0	34.09	0.017850	±2.5	PASS
EGPRS1900	810	NV	10	20.05	0.010498	±2.5	PASS
EGPRS1900	810	NV	20	24.70	0.012933	±2.5	PASS
EGPRS1900	810	NV	30	27.51	0.014405	±2.5	PASS
EGPRS1900	810	NV	40	33.06	0.017311	±2.5	PASS
EGPRS1900	810	NV	50	16.43	0.008603	±2.5	PASS

The End



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