

Appendix B

GSM 850 & 1900

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1. Effective (Isotropic) Radiated Power Output Data

1.1. Test Result

Band	Channel	Slot	Conducted Power (dBm)	ERP (dBm)	Limit(dBm)	Verdict
GSM850	128	---	31.46	27.77	38.45	PASS
GSM850	190	---	31.47	27.78	38.45	PASS
GSM850	251	---	31.39	27.70	38.45	PASS
EGPRS850 (GMSK)	128	1	31.46	27.77	38.45	PASS
EGPRS850 (GMSK)	128	2	29.85	26.16	38.45	PASS
EGPRS850 (GMSK)	128	3	28.22	24.53	38.45	PASS
EGPRS850 (GMSK)	128	4	27.40	23.71	38.45	PASS
EGPRS850 (GMSK)	190	1	31.38	27.69	38.45	PASS
EGPRS850 (GMSK)	190	2	29.94	26.25	38.45	PASS
EGPRS850 (GMSK)	190	3	27.96	24.27	38.45	PASS
EGPRS850 (GMSK)	190	4	27.08	23.39	38.45	PASS
EGPRS850 (GMSK)	251	1	31.34	27.65	38.45	PASS
EGPRS850 (GMSK)	251	2	29.97	26.28	38.45	PASS
EGPRS850 (GMSK)	251	3	27.88	24.19	38.45	PASS
EGPRS850 (GMSK)	251	4	26.93	23.24	38.45	PASS
EGPRS850 (8PSK)	128	1	26.79	23.10	38.45	PASS
EGPRS850 (8PSK)	128	2	24.80	21.11	38.45	PASS
EGPRS850 (8PSK)	128	3	23.54	19.85	38.45	PASS
EGPRS850 (8PSK)	128	4	21.85	18.16	38.45	PASS
EGPRS850 (8PSK)	190	1	26.56	22.87	38.45	PASS
EGPRS850 (8PSK)	190	2	24.57	20.88	38.45	PASS
EGPRS850 (8PSK)	190	3	23.33	19.64	38.45	PASS
EGPRS850 (8PSK)	190	4	21.63	17.94	38.45	PASS
EGPRS850 (8PSK)	251	1	26.52	22.83	38.45	PASS
EGPRS850 (8PSK)	251	2	24.55	20.86	38.45	PASS
EGPRS850 (8PSK)	251	3	23.32	19.63	38.45	PASS
EGPRS850 (8PSK)	251	4	21.87	18.18	38.45	PASS

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Band	Channel	Slot	Conducted Power (dBm)	EIRP (dBm)	Limit(dBm)	Verdict
GSM1900	512	---	29.49	29.36	33.00	PASS
GSM1900	661	---	29.45	29.32	33.00	PASS
GSM1900	810	---	29.43	29.30	33.00	PASS
EGPRS1900 (GMSK)	512	1	29.49	29.36	33.00	PASS
EGPRS1900 (GMSK)	512	2	27.41	27.28	33.00	PASS
EGPRS1900 (GMSK)	512	3	25.42	25.29	33.00	PASS
EGPRS1900 (GMSK)	512	4	24.41	24.28	33.00	PASS
EGPRS1900 (GMSK)	661	1	29.46	29.33	33.00	PASS
EGPRS1900 (GMSK)	661	2	27.44	27.31	33.00	PASS
EGPRS1900 (GMSK)	661	3	25.42	25.29	33.00	PASS
EGPRS1900 (GMSK)	661	4	24.45	24.32	33.00	PASS
EGPRS1900 (GMSK)	810	1	29.41	29.28	33.00	PASS
EGPRS1900 (GMSK)	810	2	27.42	27.29	33.00	PASS
EGPRS1900 (GMSK)	810	3	25.47	25.34	33.00	PASS
EGPRS1900 (GMSK)	810	4	24.49	24.36	33.00	PASS
EGPRS1900 (8PSK)	512	1	25.71	25.58	33.00	PASS
EGPRS1900 (8PSK)	512	2	24.00	23.87	33.00	PASS
EGPRS1900 (8PSK)	512	3	22.23	22.10	33.00	PASS
EGPRS1900 (8PSK)	512	4	20.63	20.50	33.00	PASS
EGPRS1900 (8PSK)	661	1	25.57	25.44	33.00	PASS
EGPRS1900 (8PSK)	661	2	23.98	23.85	33.00	PASS
EGPRS1900 (8PSK)	661	3	22.21	22.08	33.00	PASS
EGPRS1900 (8PSK)	661	4	20.53	20.40	33.00	PASS
EGPRS1900 (8PSK)	810	1	25.67	25.54	33.00	PASS
EGPRS1900 (8PSK)	810	2	24.07	23.94	33.00	PASS
EGPRS1900 (8PSK)	810	3	22.45	22.32	33.00	PASS
EGPRS1900 (8PSK)	810	4	20.78	20.65	33.00	PASS

Remark:

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

ERP [dBm] = Conducted Power [dBm] + Gain [dBd]

EIRP [dBm] = Conducted Power [dBm] + Gain [dBi]

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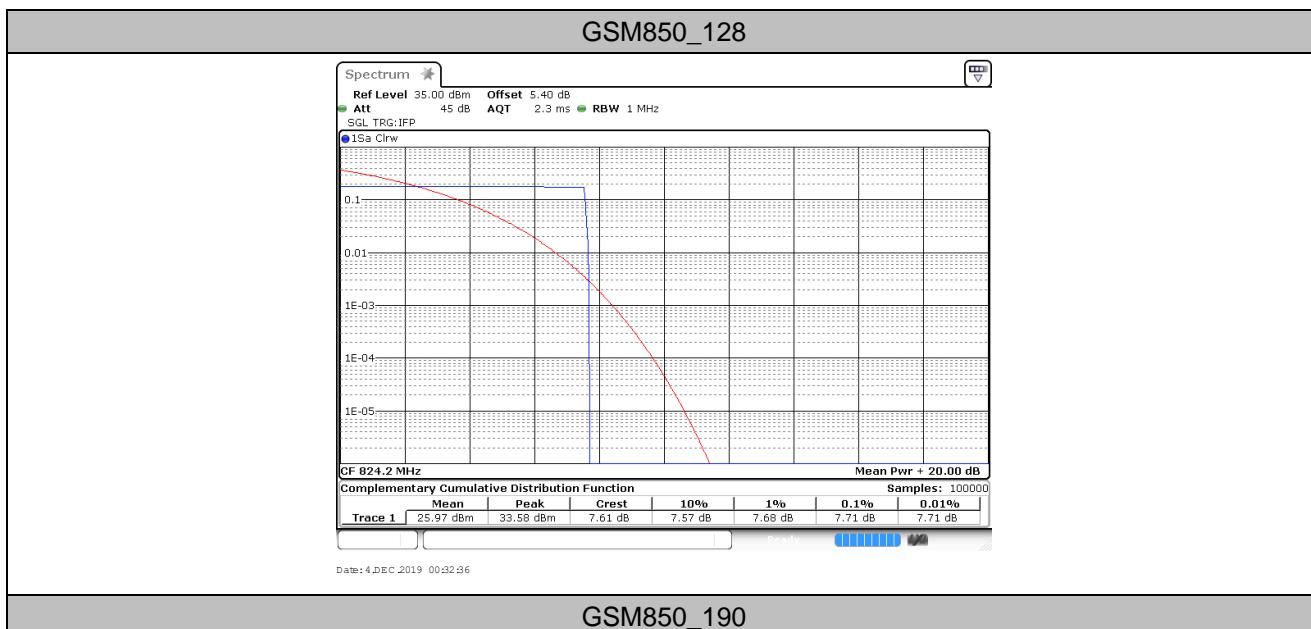
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2. Peak-to-Average Ratio

2.1. Test Result

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
GSM850	128	7.71	13	PASS
GSM850	190	7.71	13	PASS
GSM850	251	7.68	13	PASS
EGPRS850	128	10.61	13	PASS
EGPRS850	190	10.41	13	PASS
EGPRS850	251	10.35	13	PASS
GSM1900	512	7.71	13	PASS
GSM1900	661	7.68	13	PASS
GSM1900	810	7.65	13	PASS
EGPRS1900	512	9.91	13	PASS
EGPRS1900	661	10.43	13	PASS
EGPRS1900	810	9.86	13	PASS

2.2. Part II - Test Plots



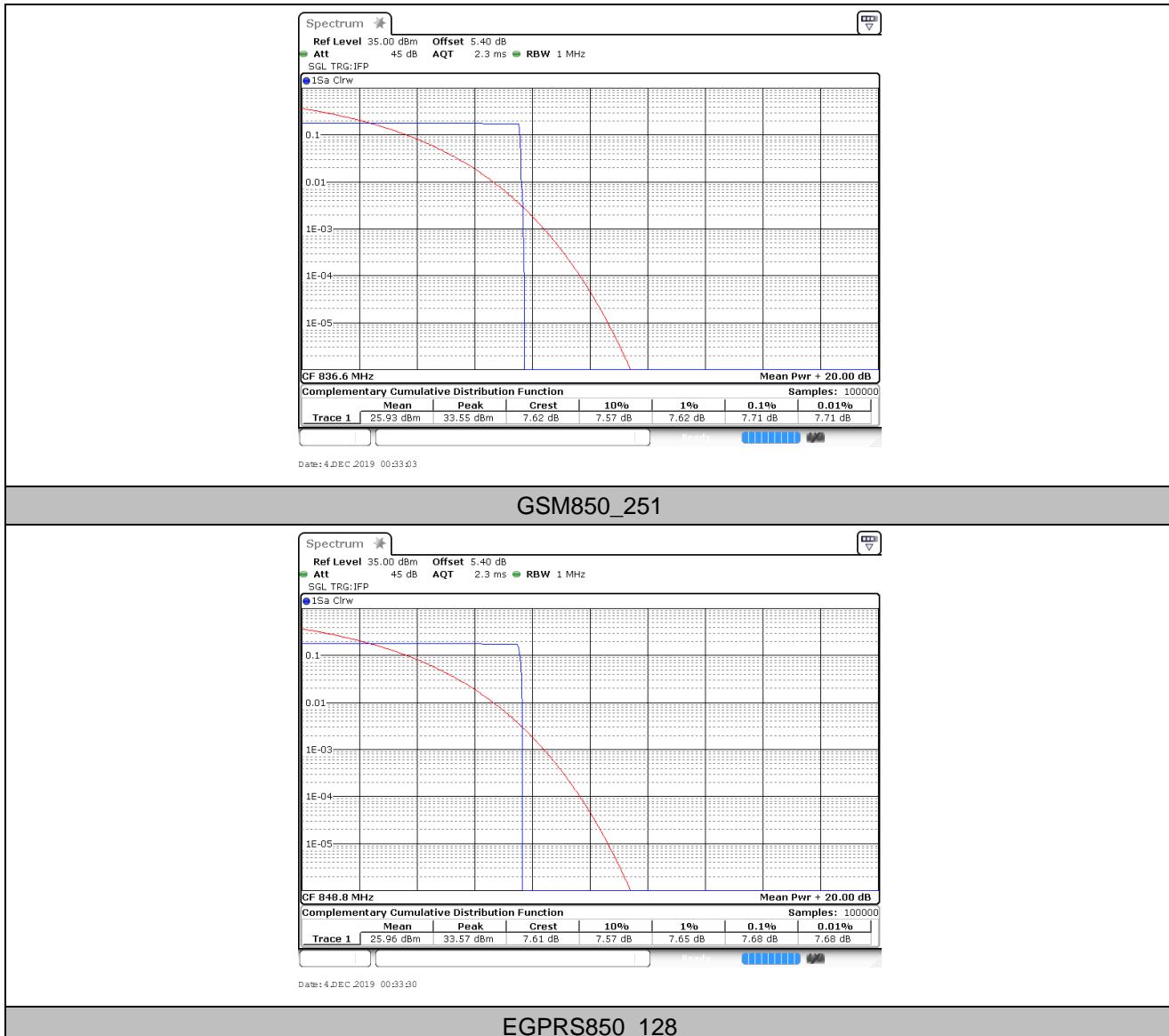
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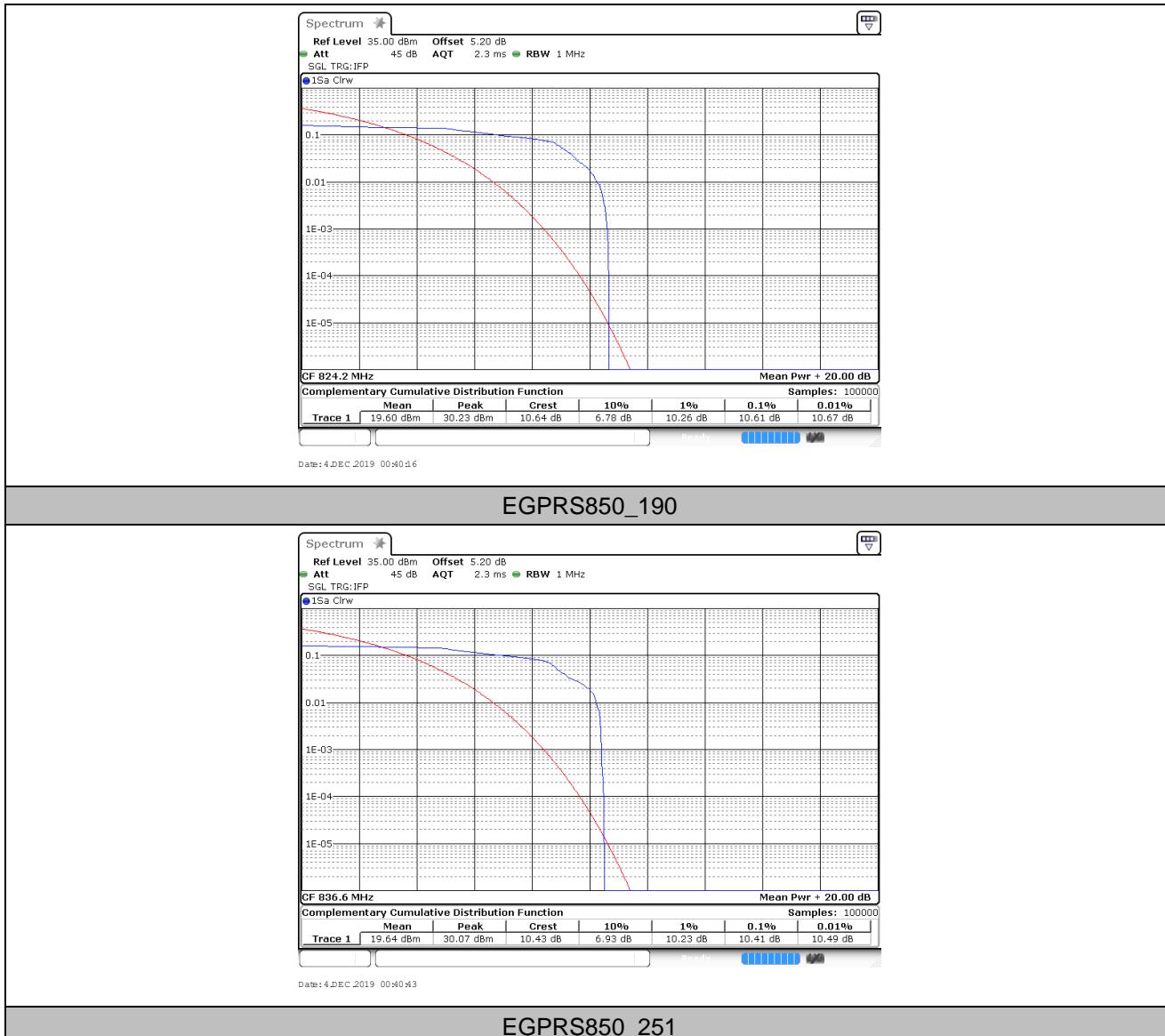


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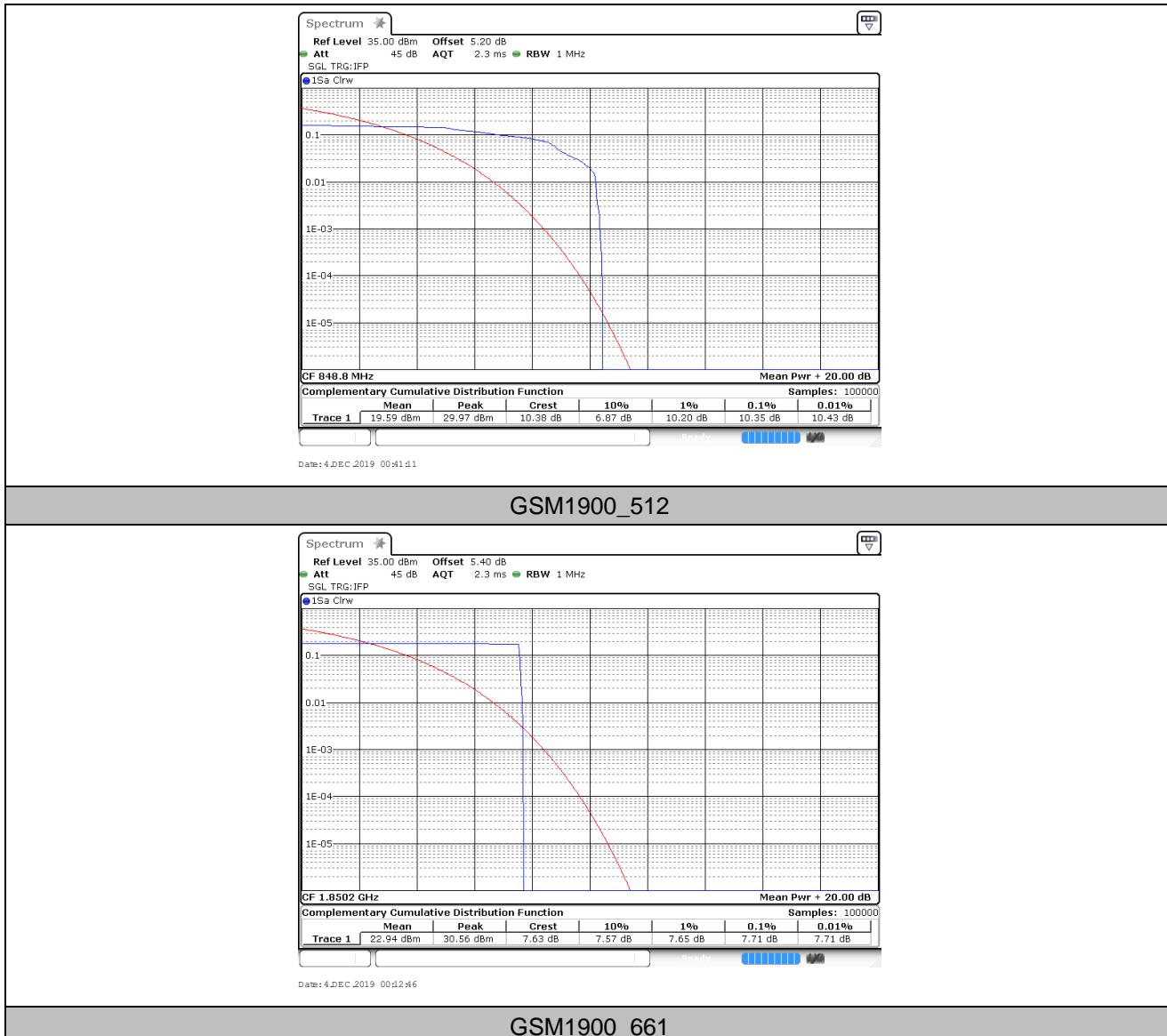


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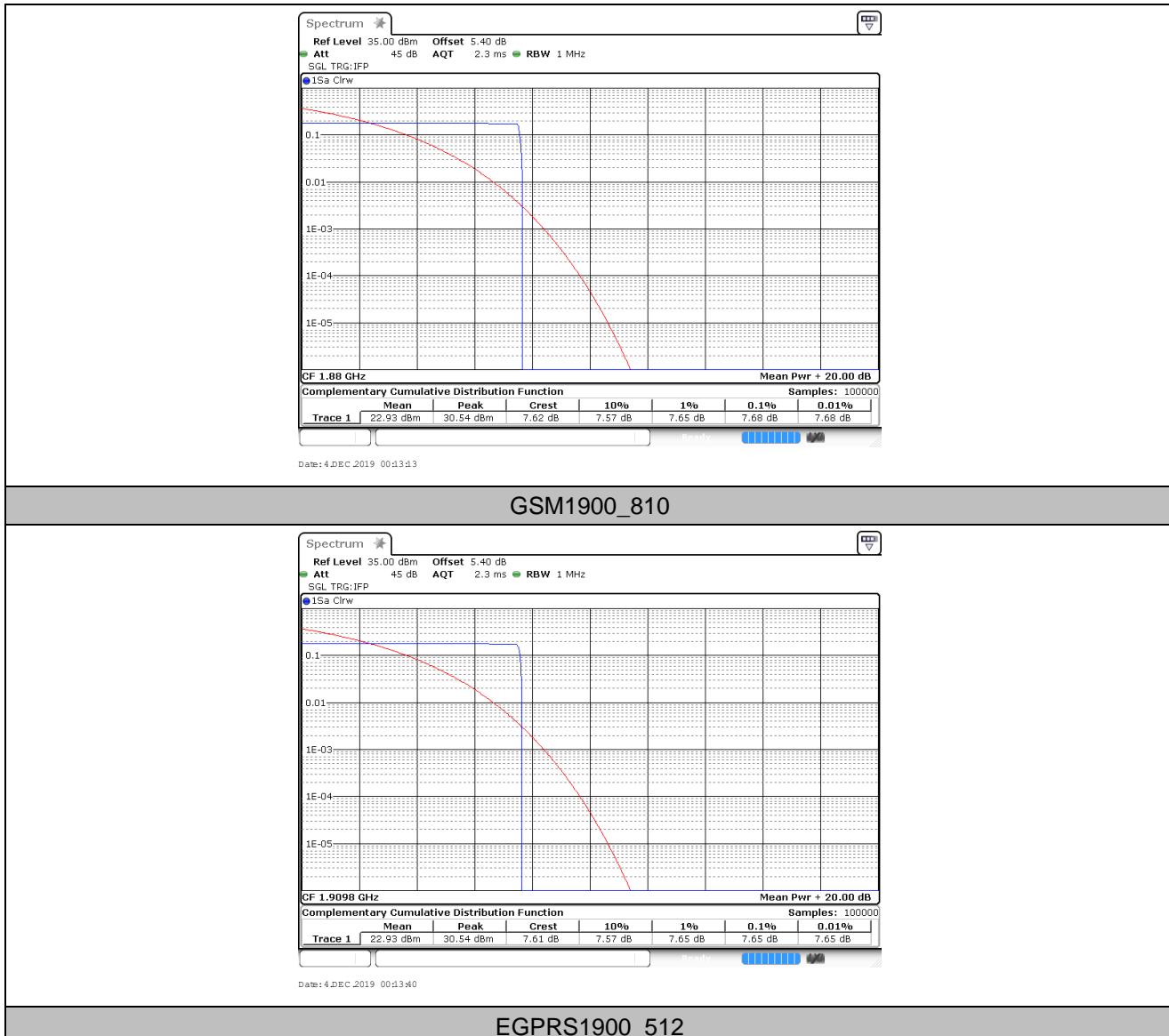


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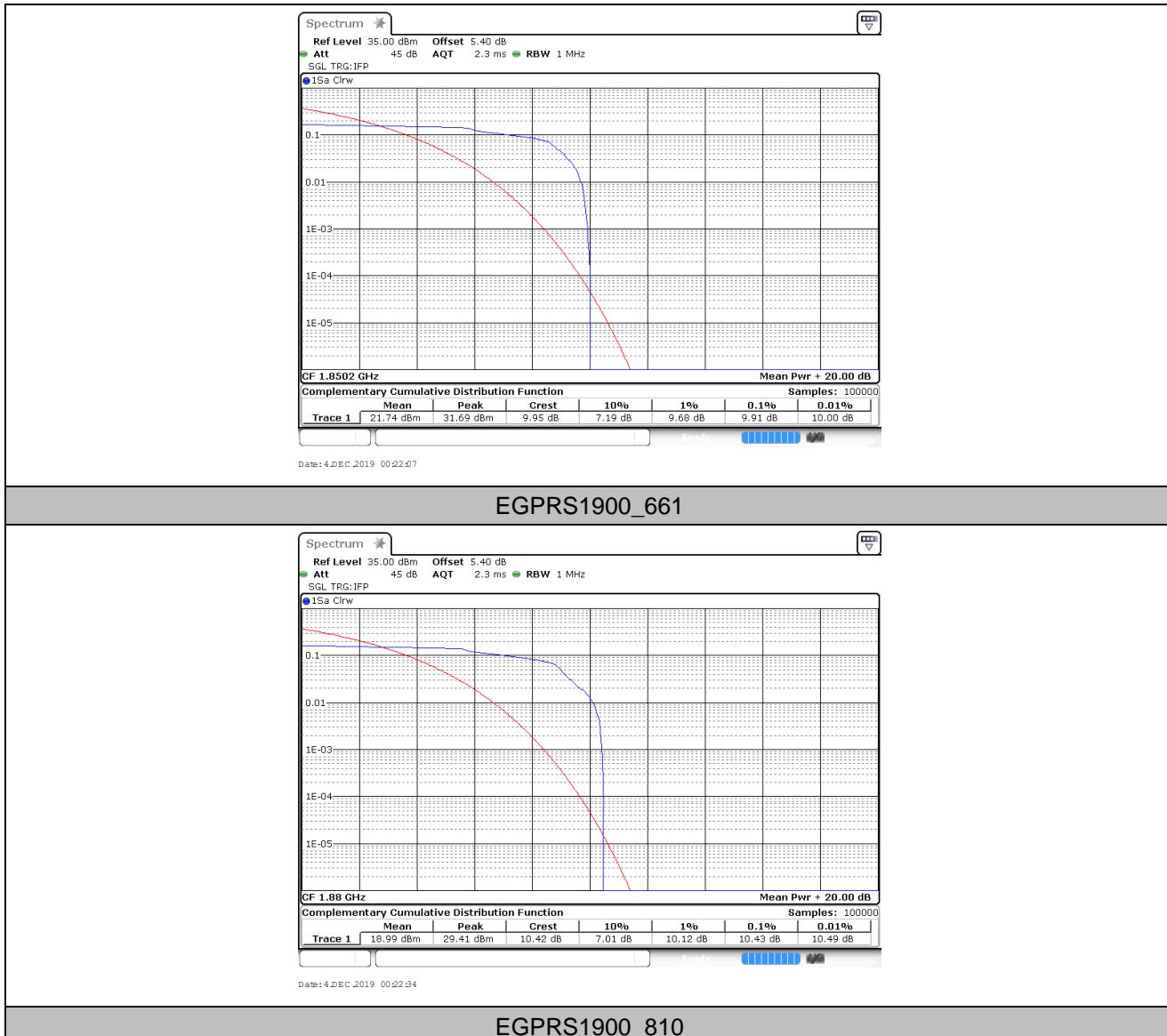
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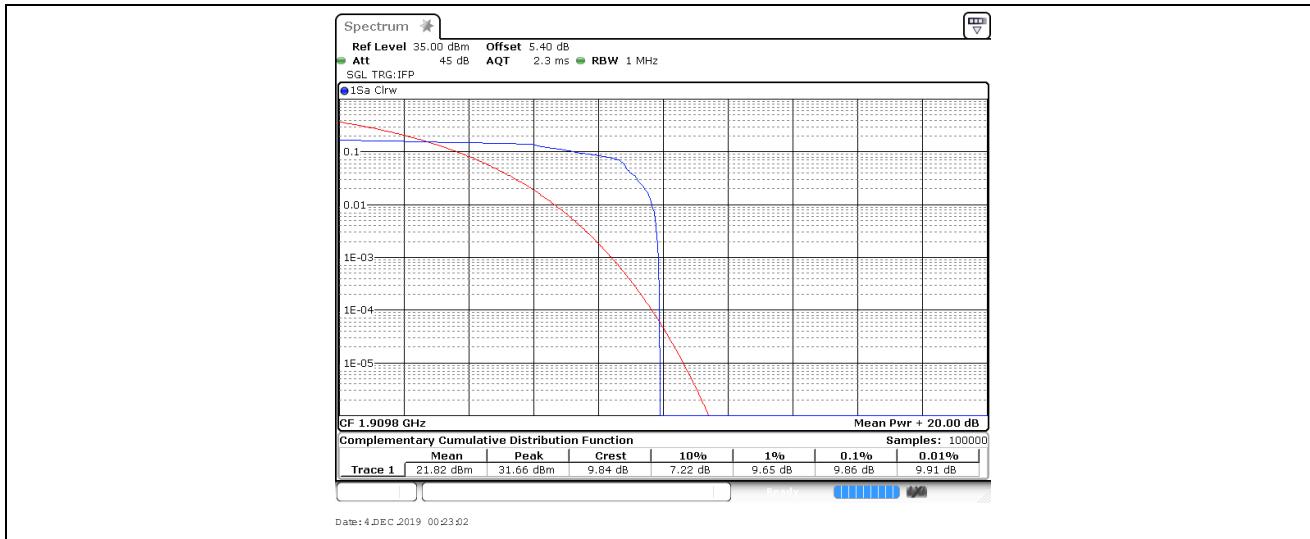
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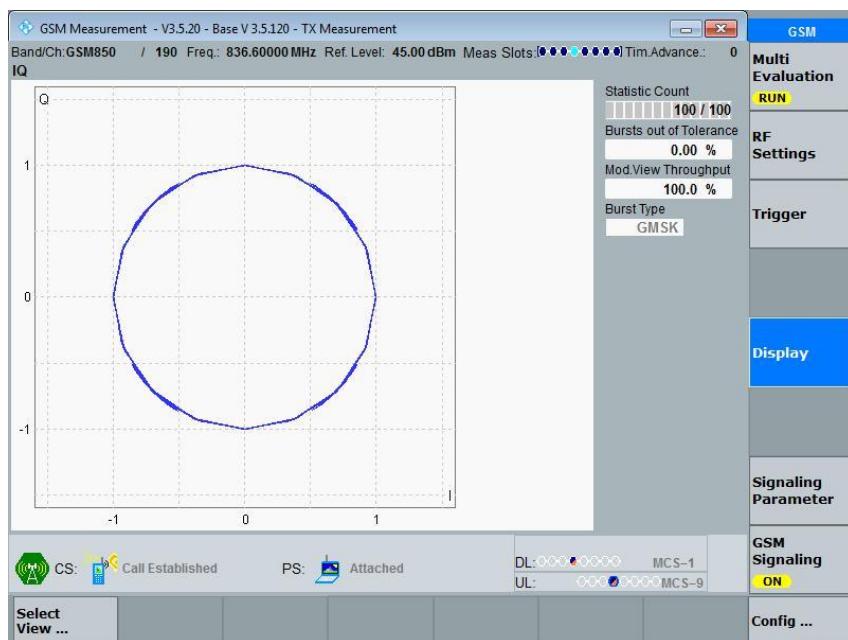
3. Modulation Characteristics

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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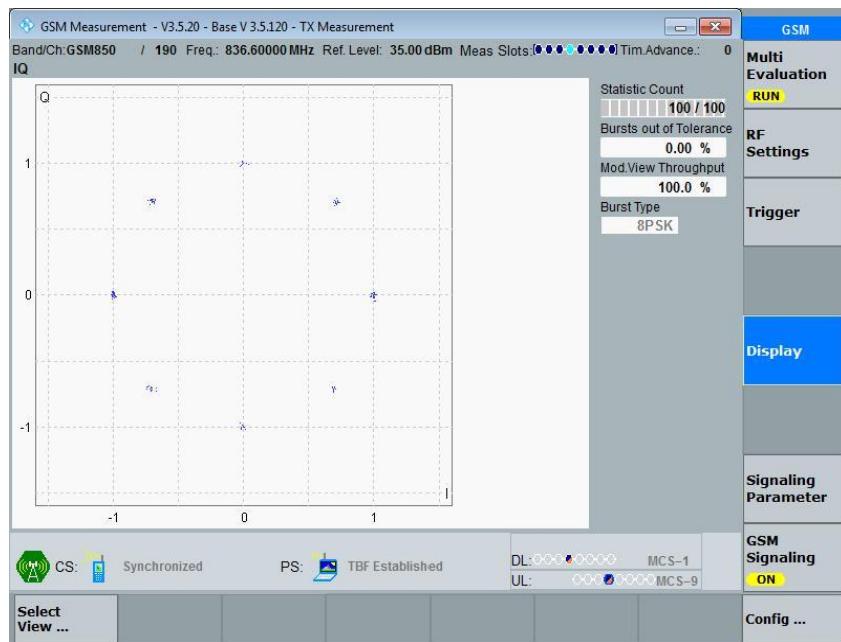
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3.1.1.2. Test Mode = GSM/TM2

3.1.1.2.1. Test Channel = MCH



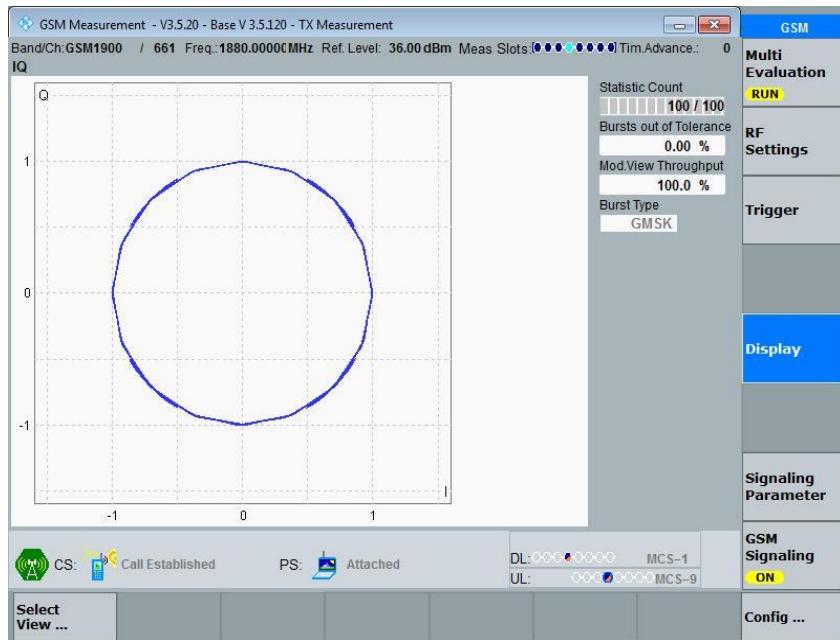
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sgs.china@sgs.com

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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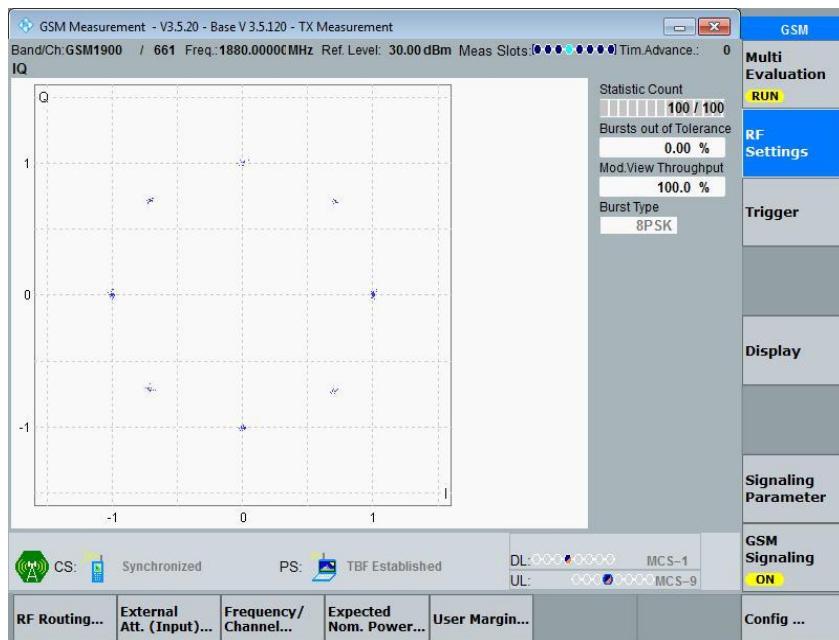
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3.1.2.2. Test Mode = GSM/TM2

3.1.2.2.1. Test Channel = MCH



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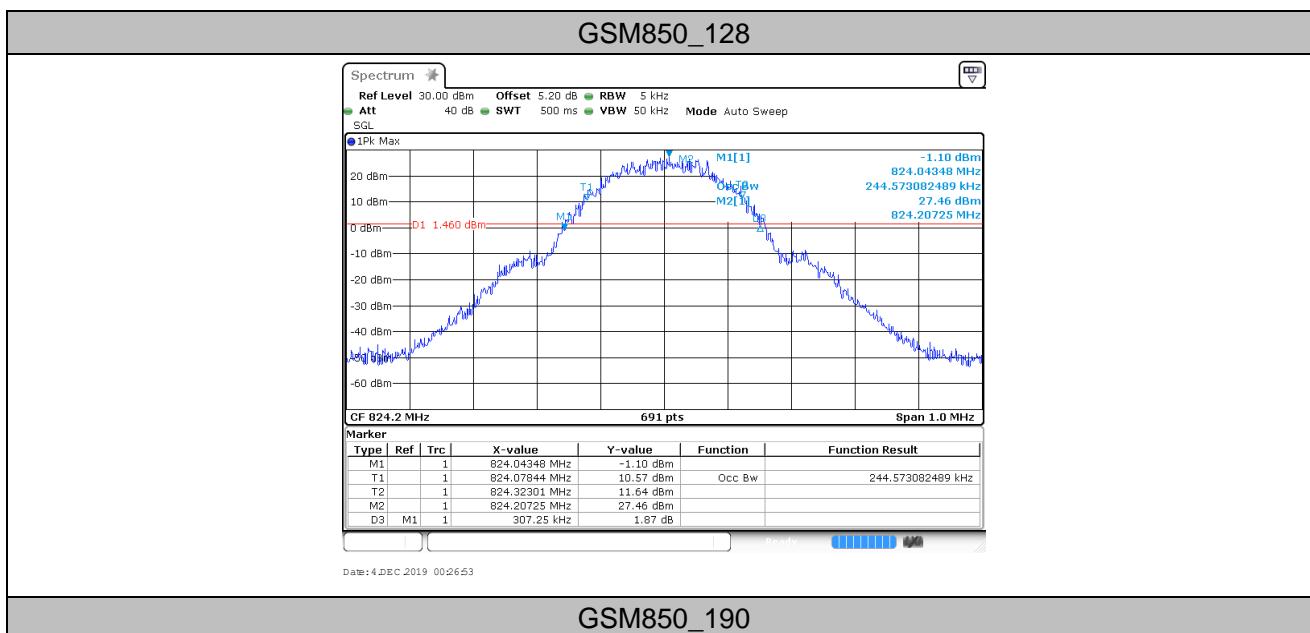
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4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
GSM850	128	244.57	307.25	---	PASS
GSM850	190	244.57	298.55	---	PASS
GSM850	251	244.57	302.90	---	PASS
EGPRS850	128	253.26	301.45	---	PASS
EGPRS850	190	246.02	304.35	---	PASS
EGPRS850	251	250.36	307.25	---	PASS
GSM1900	512	247.47	310.14	---	PASS
GSM1900	661	247.47	307.25	---	PASS
GSM1900	810	246.02	298.55	---	PASS
EGPRS1900	512	257.60	289.86	---	PASS
EGPRS1900	661	256.15	320.29	---	PASS
EGPRS1900	810	266.28	334.78	---	PASS

4.2. Test Plots

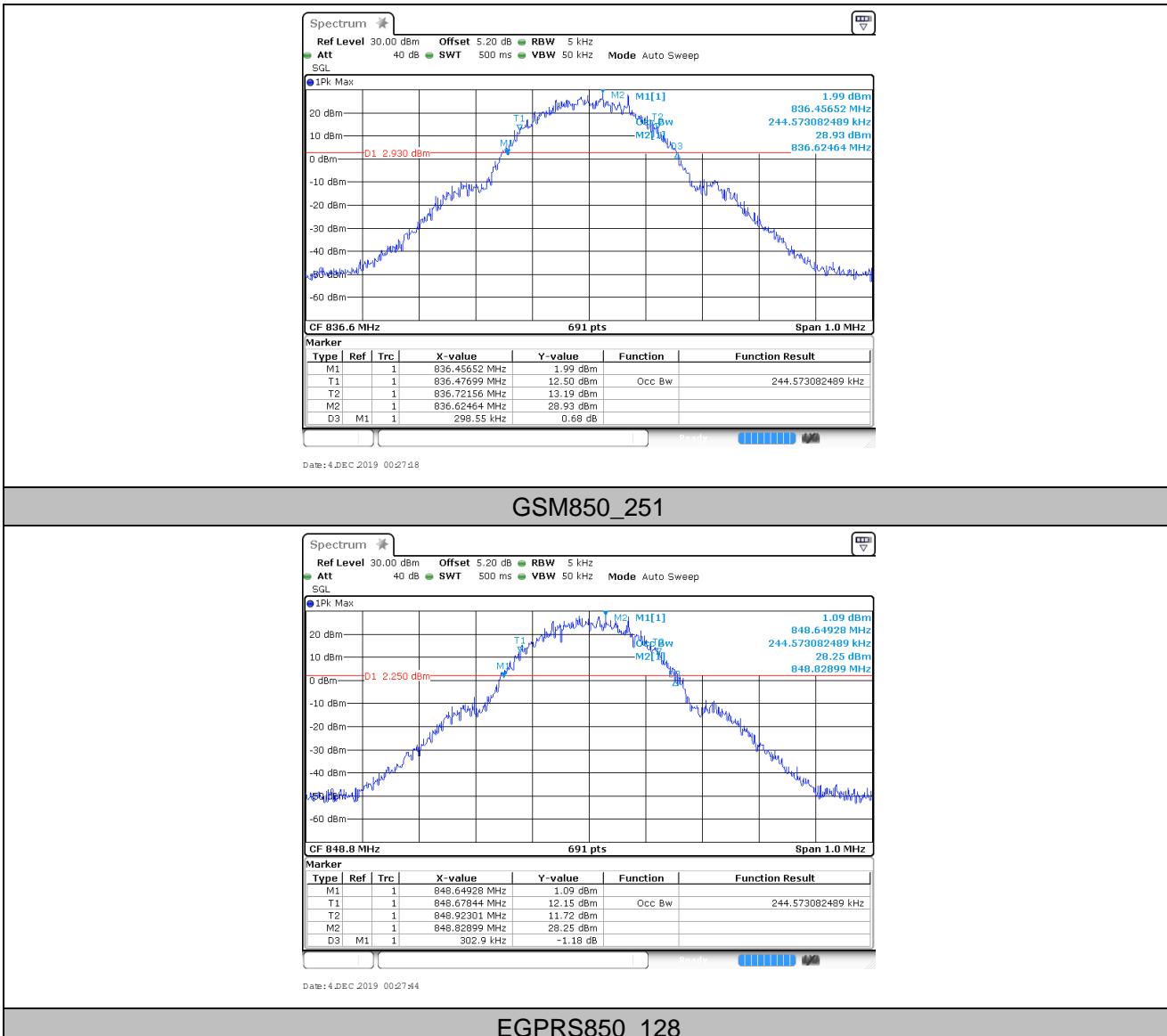


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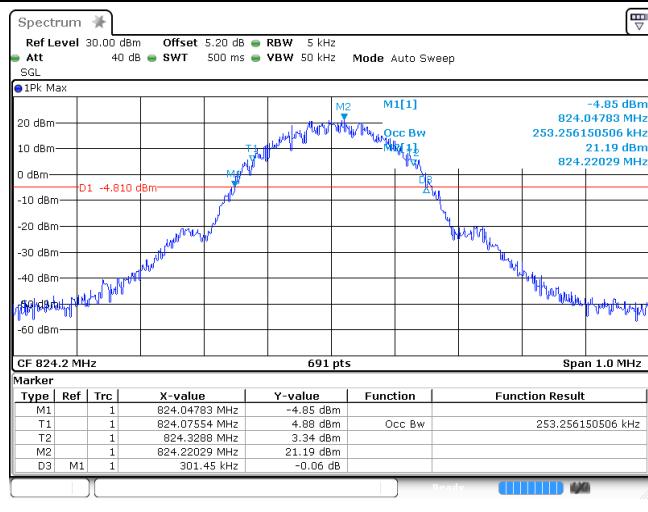


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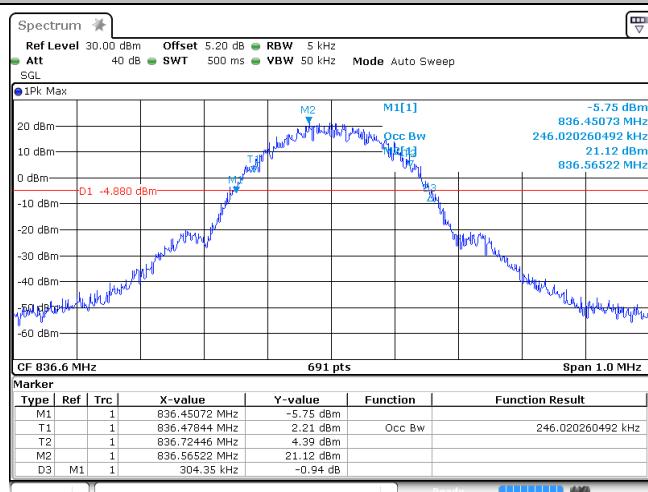
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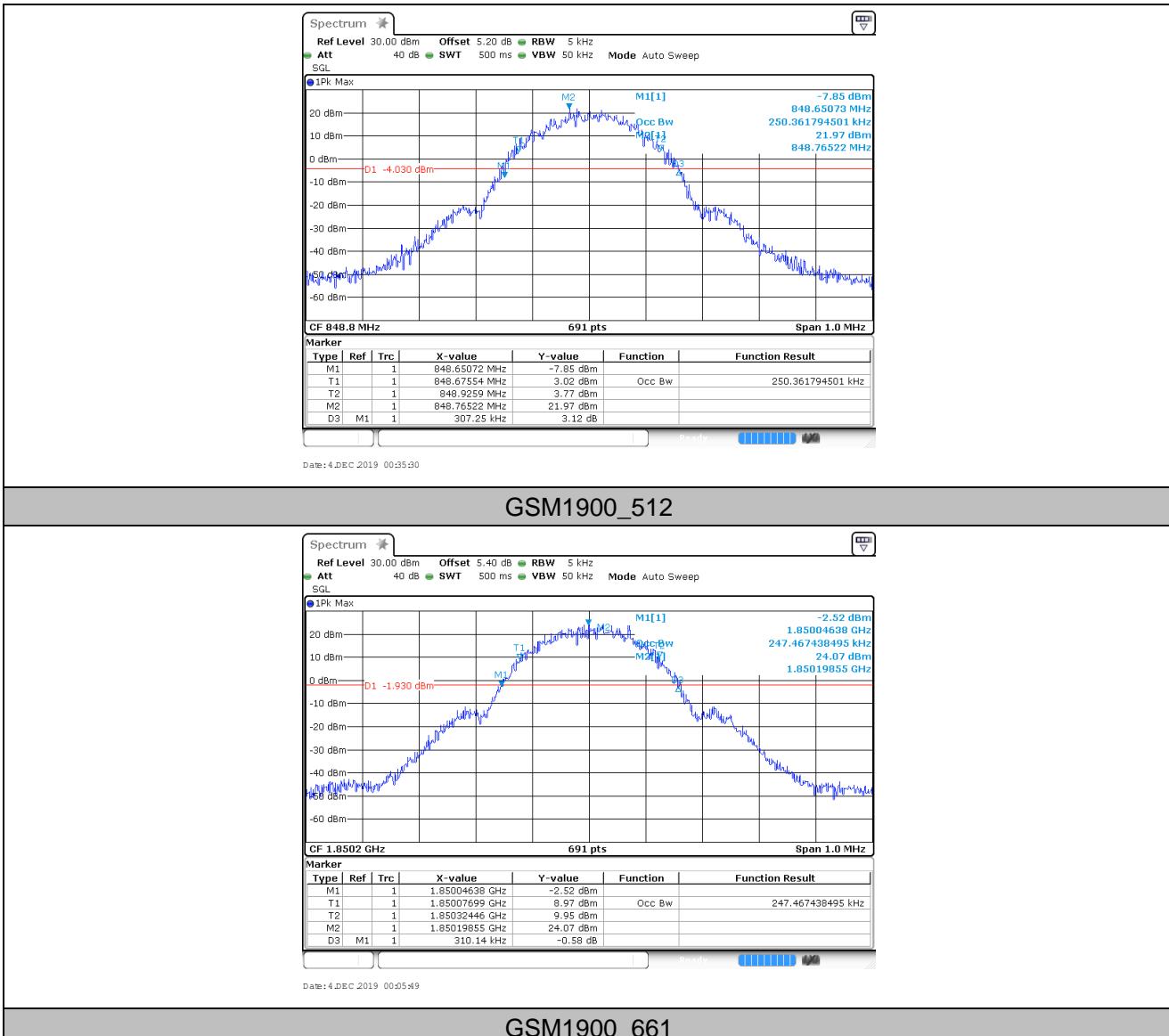
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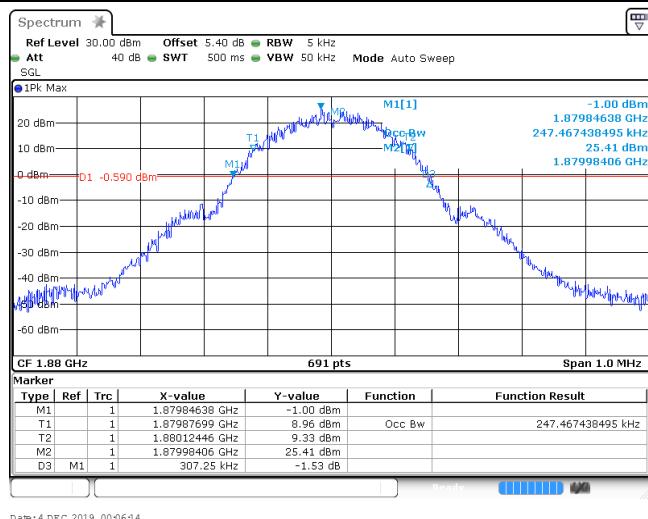


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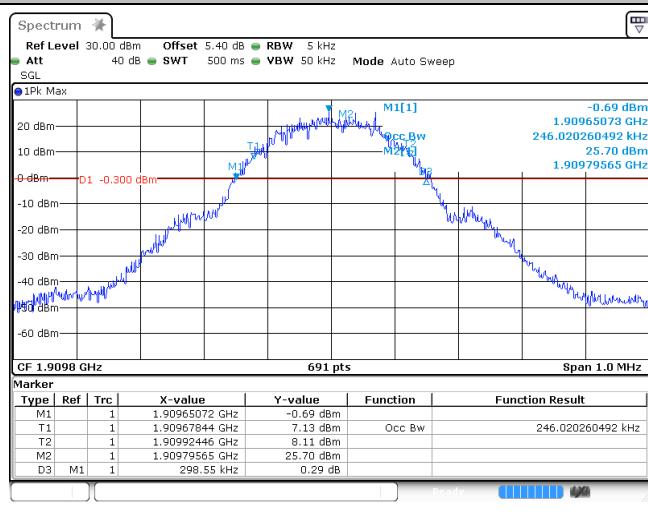
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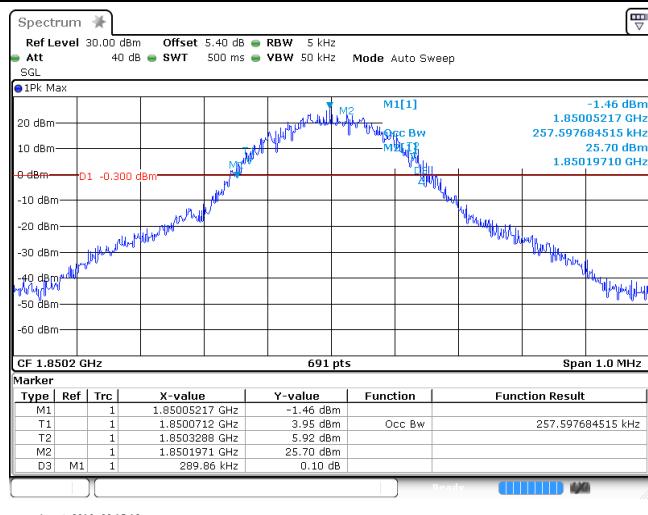
GSM1900 810



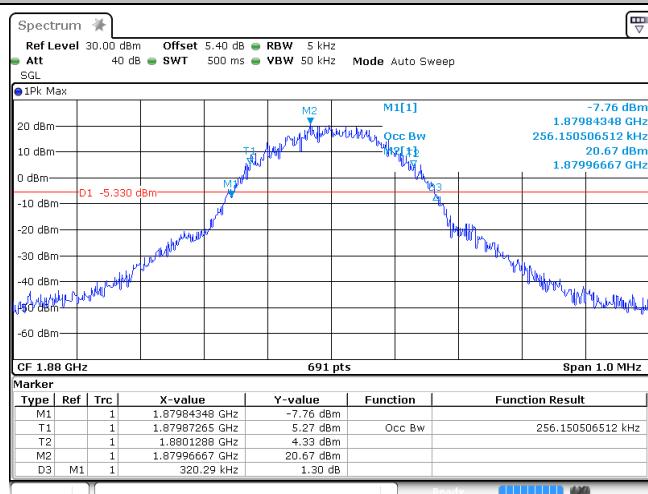
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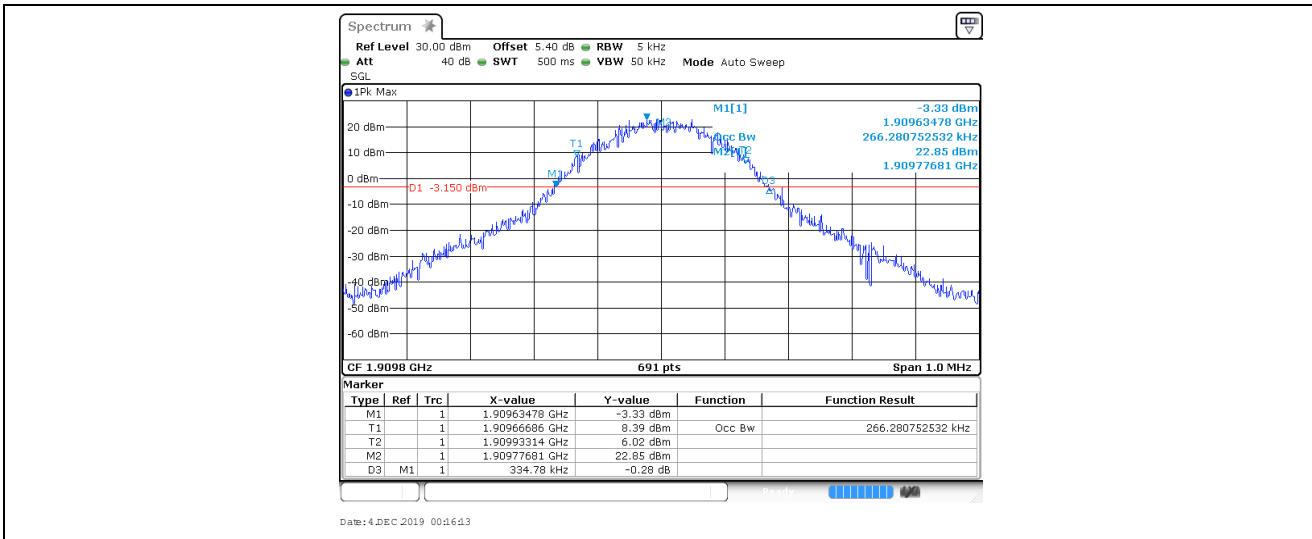
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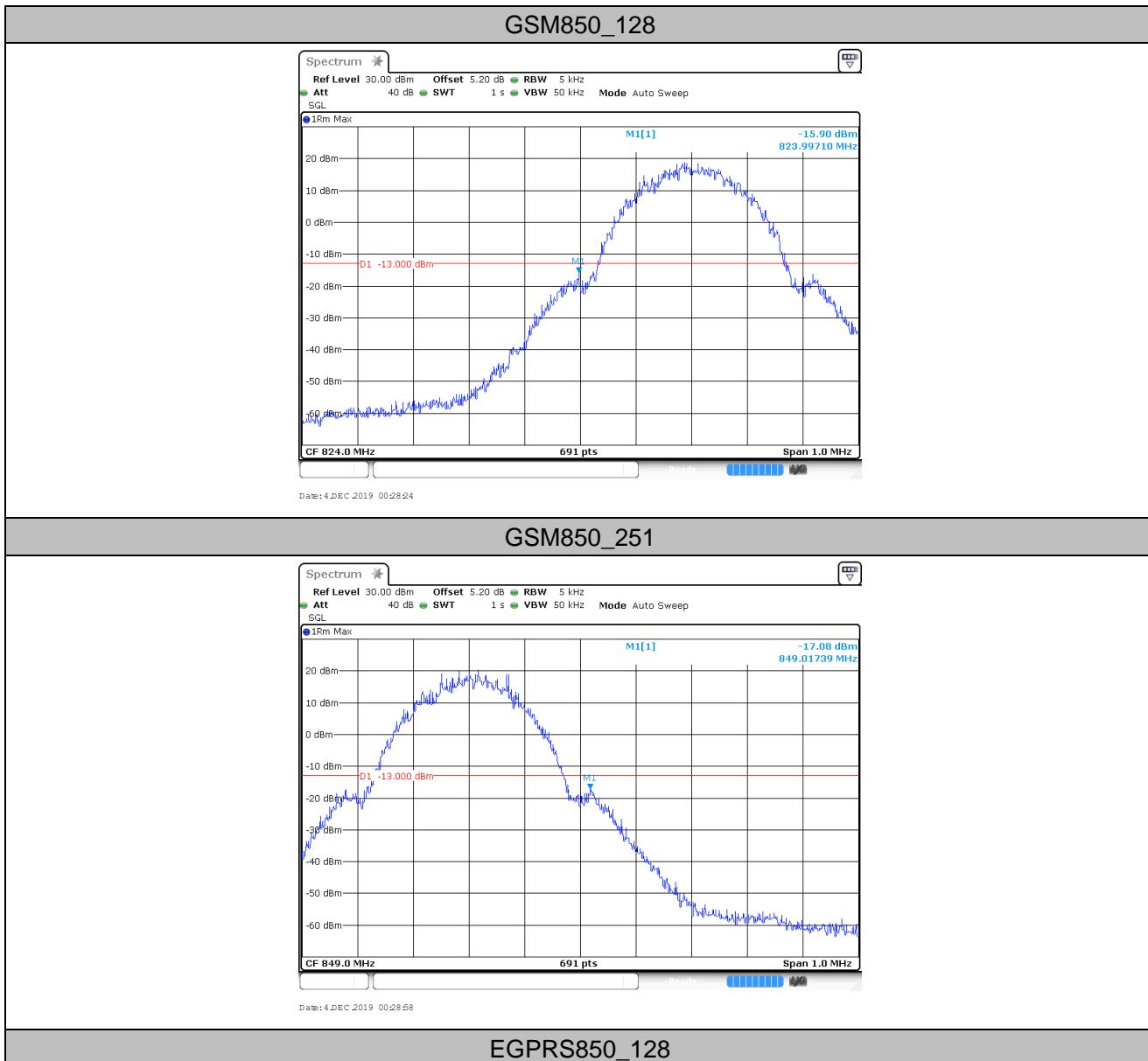
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5. Band Edge Compliance

5.1. Test Plots

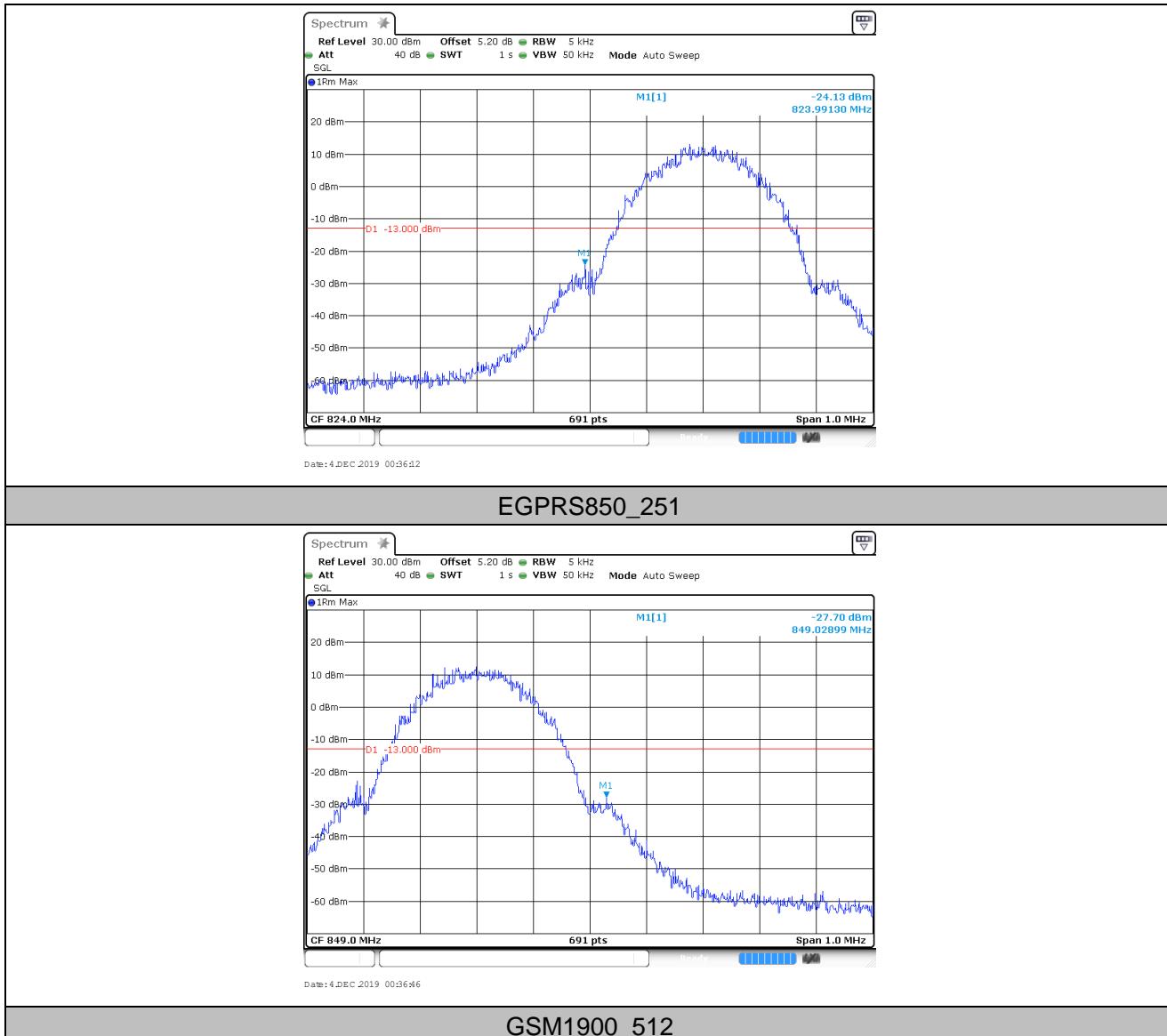


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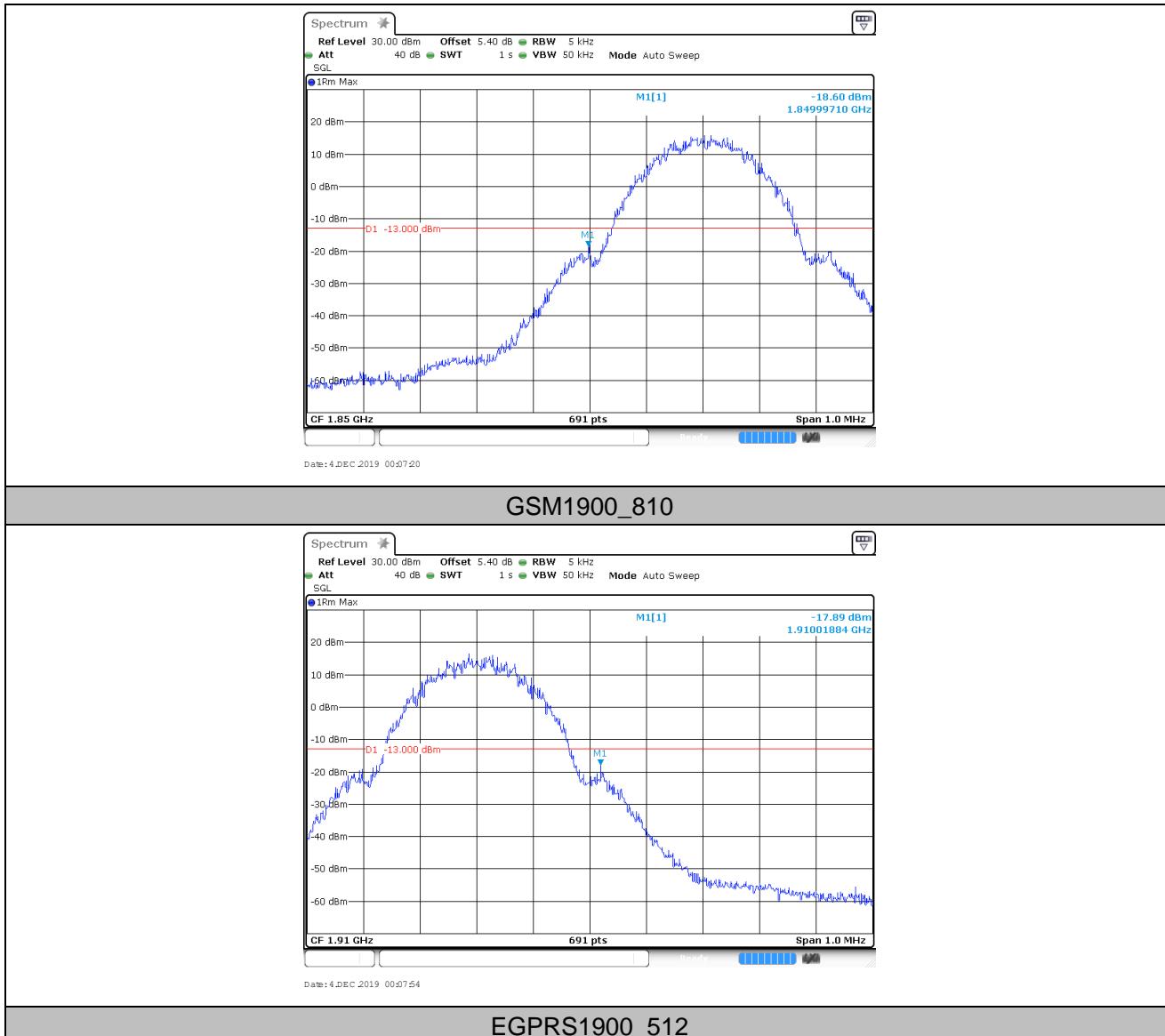
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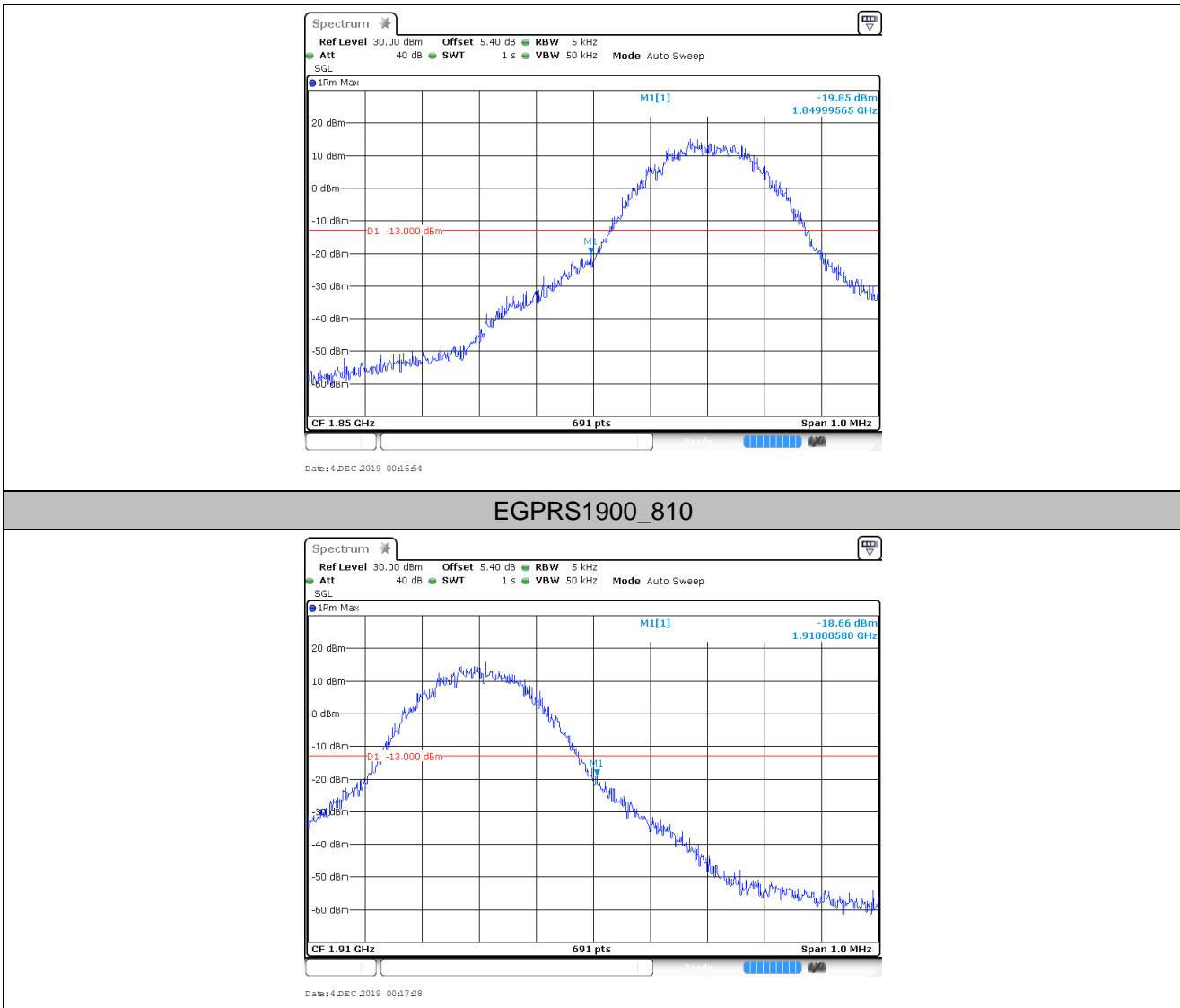
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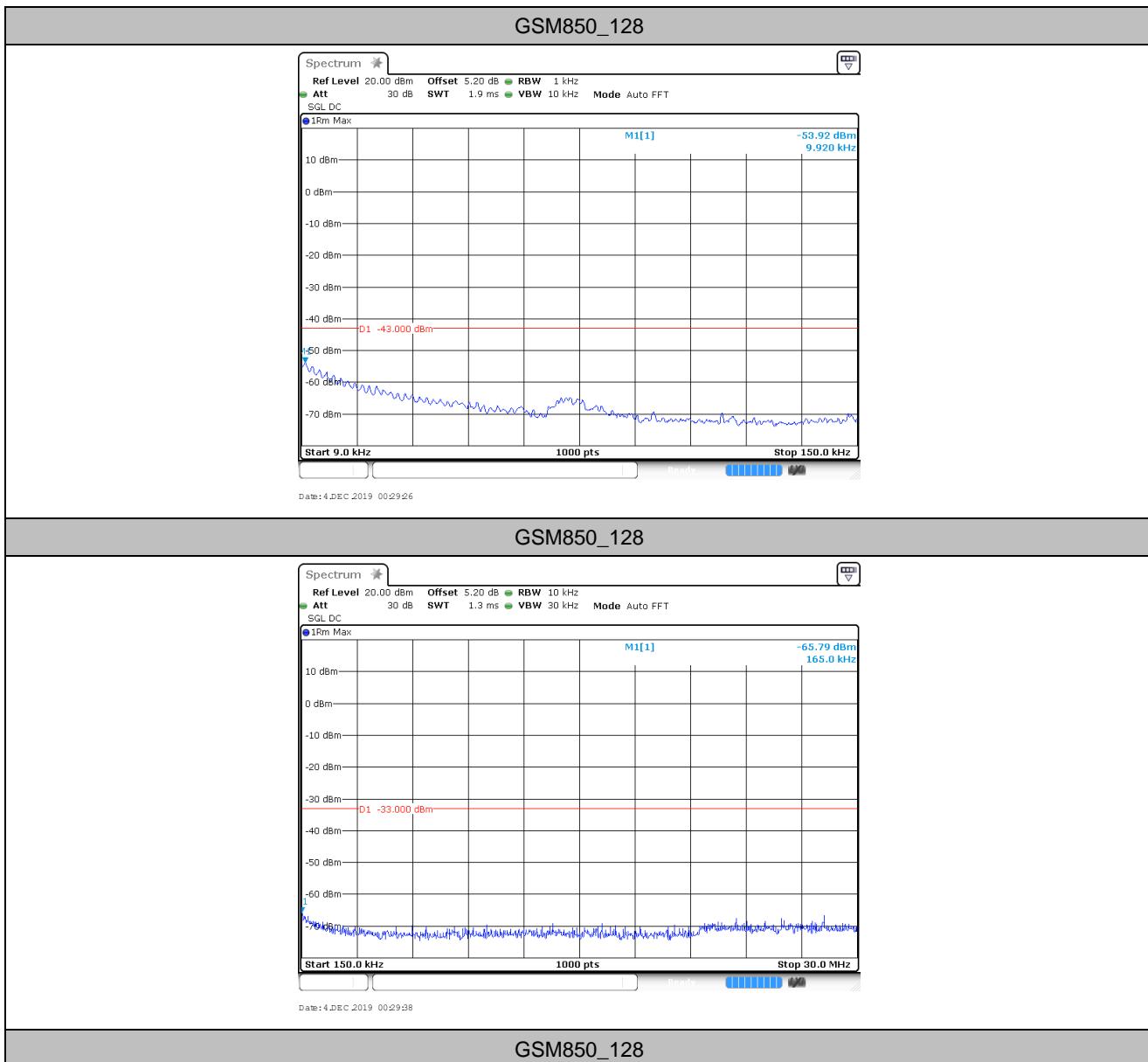
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6. Spurious Emission at Antenna Terminal

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 $< \text{RBW}/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (\text{Span} / \text{RBW})$ " 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



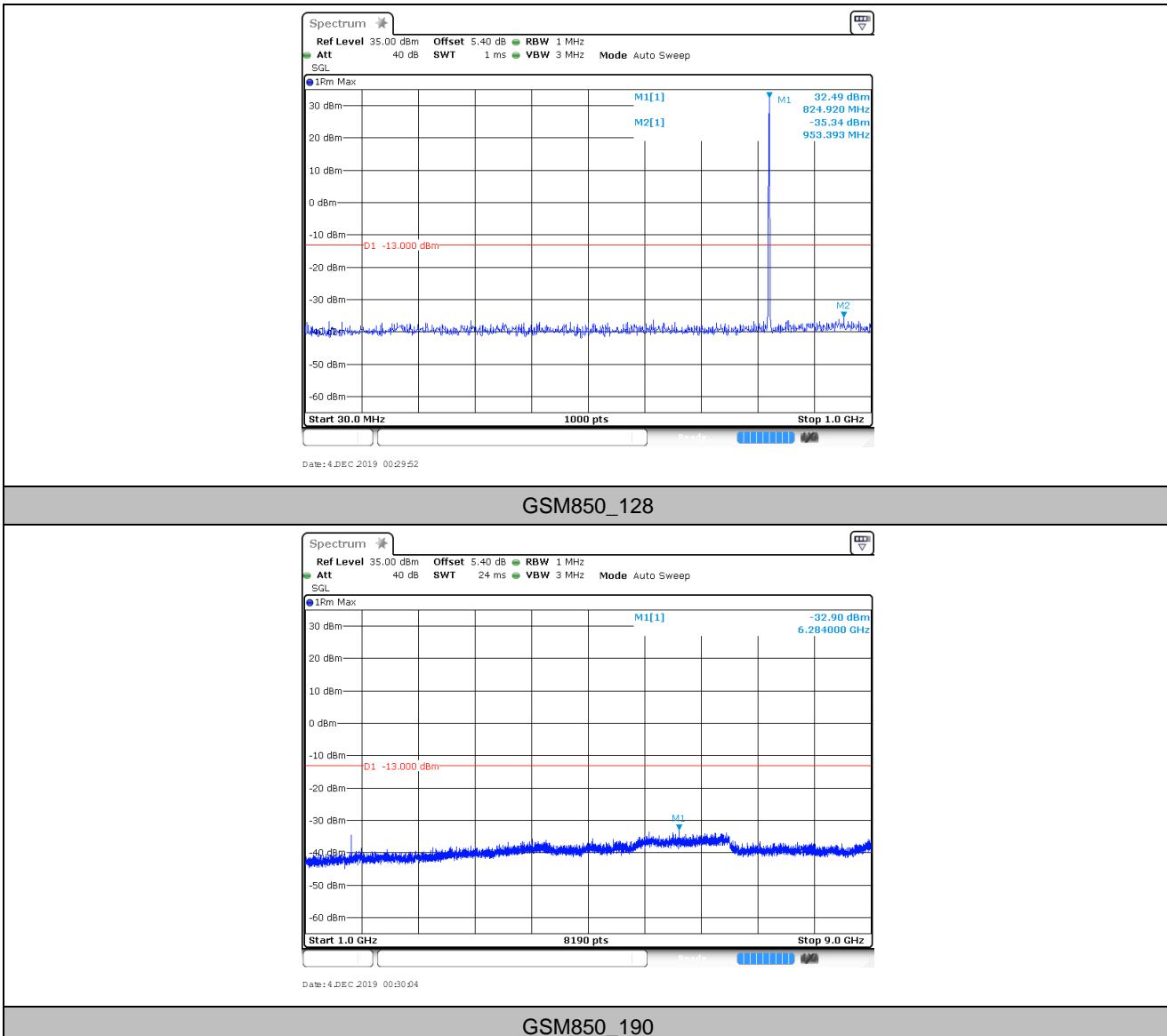
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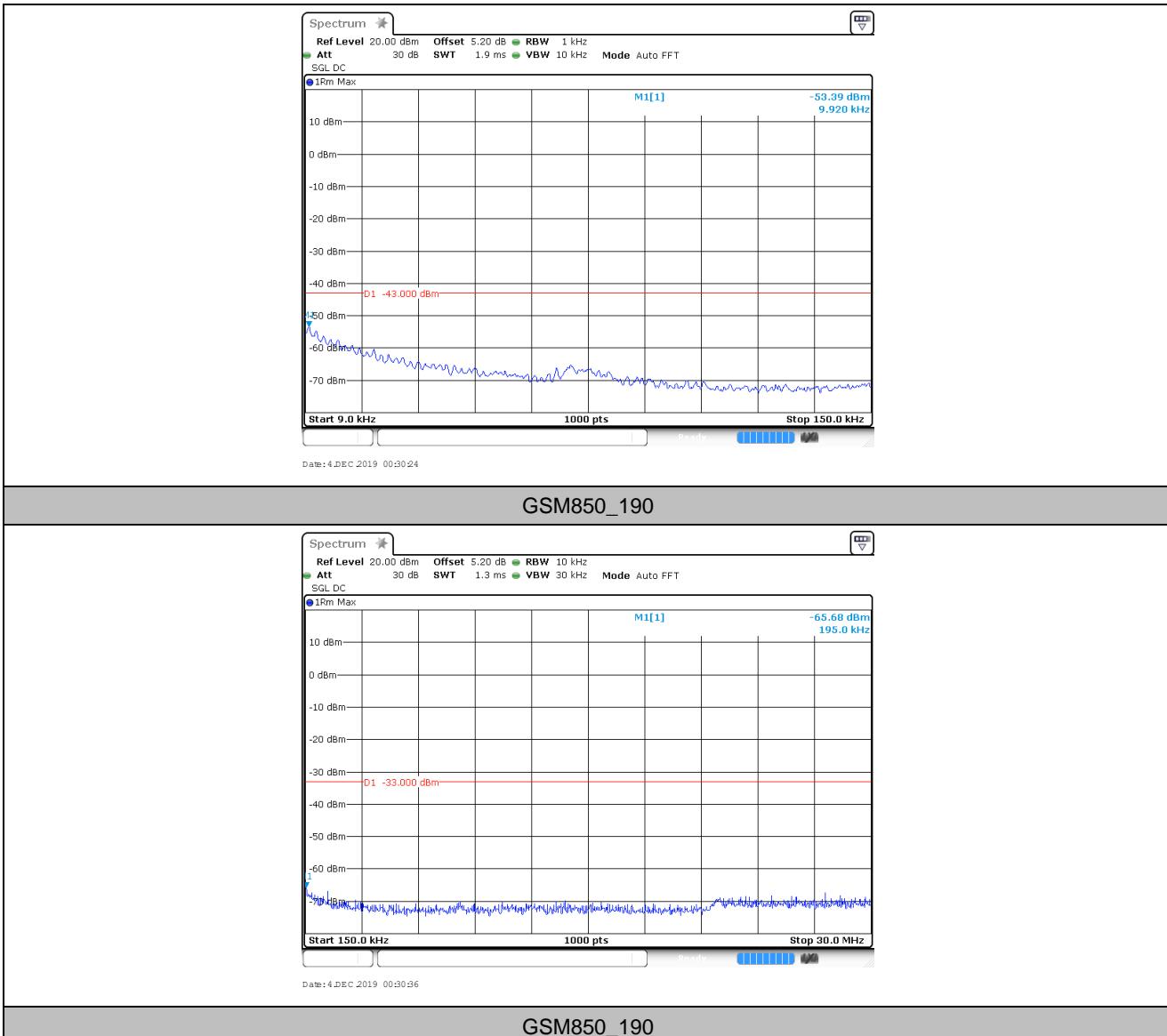


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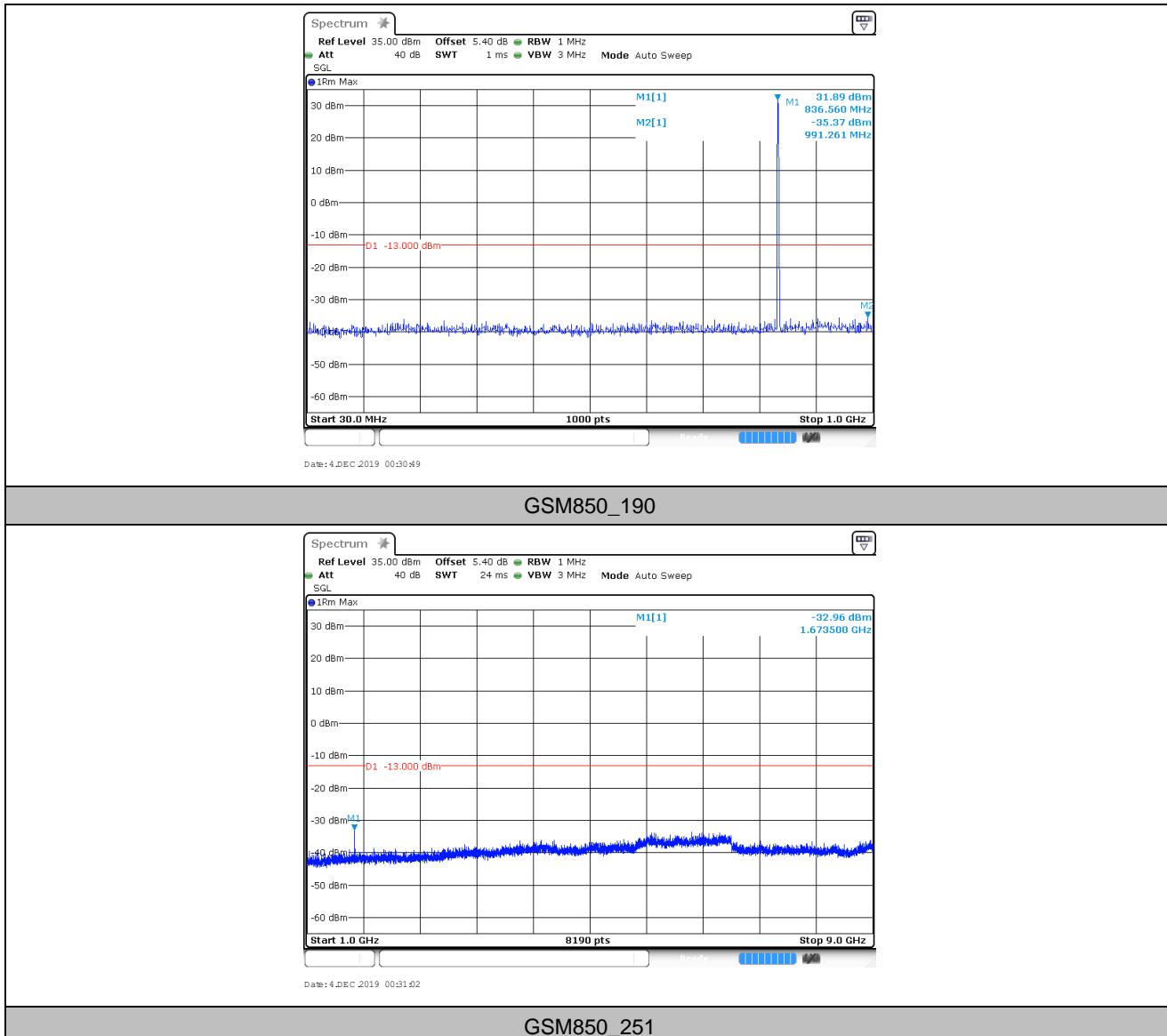


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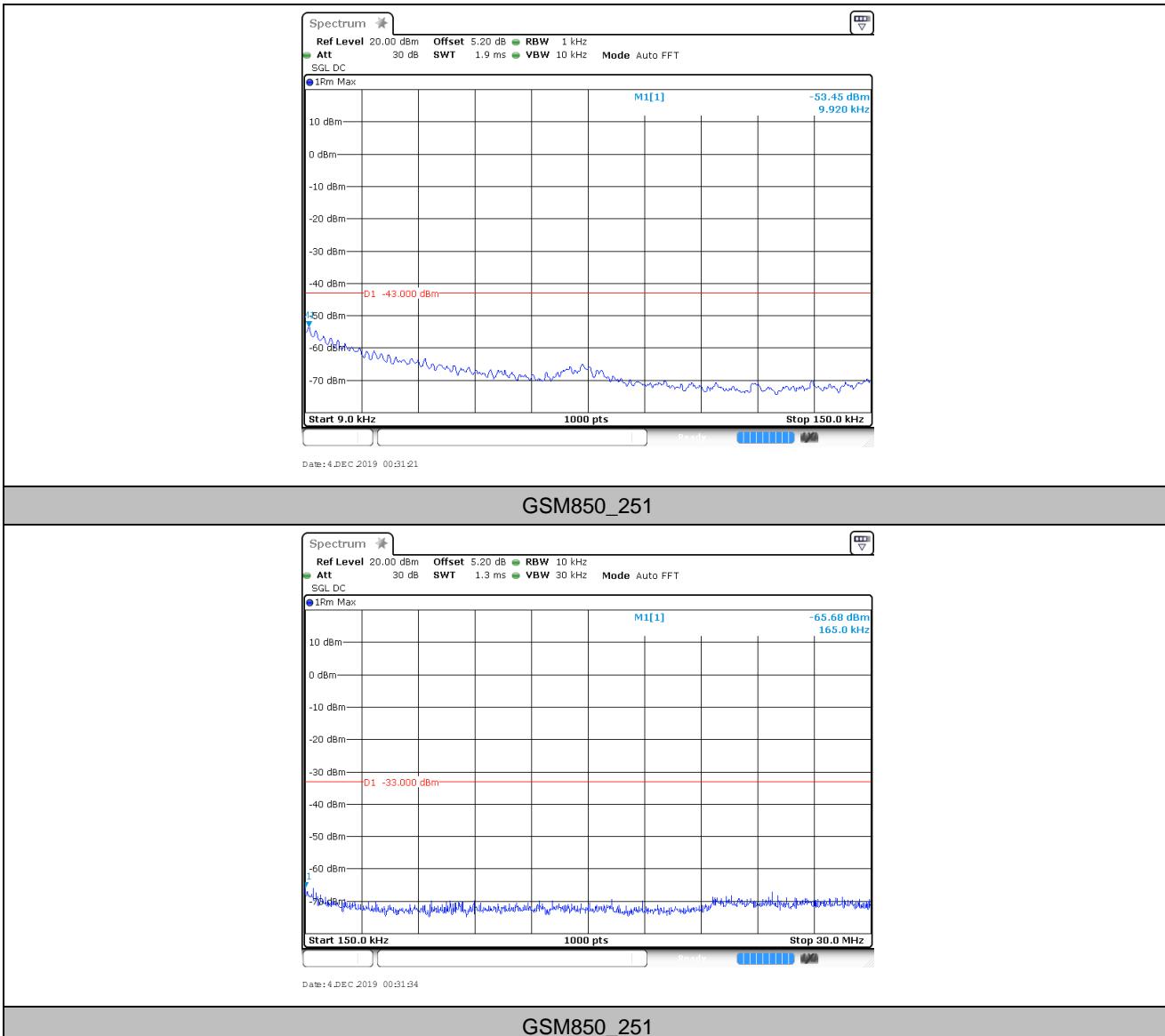


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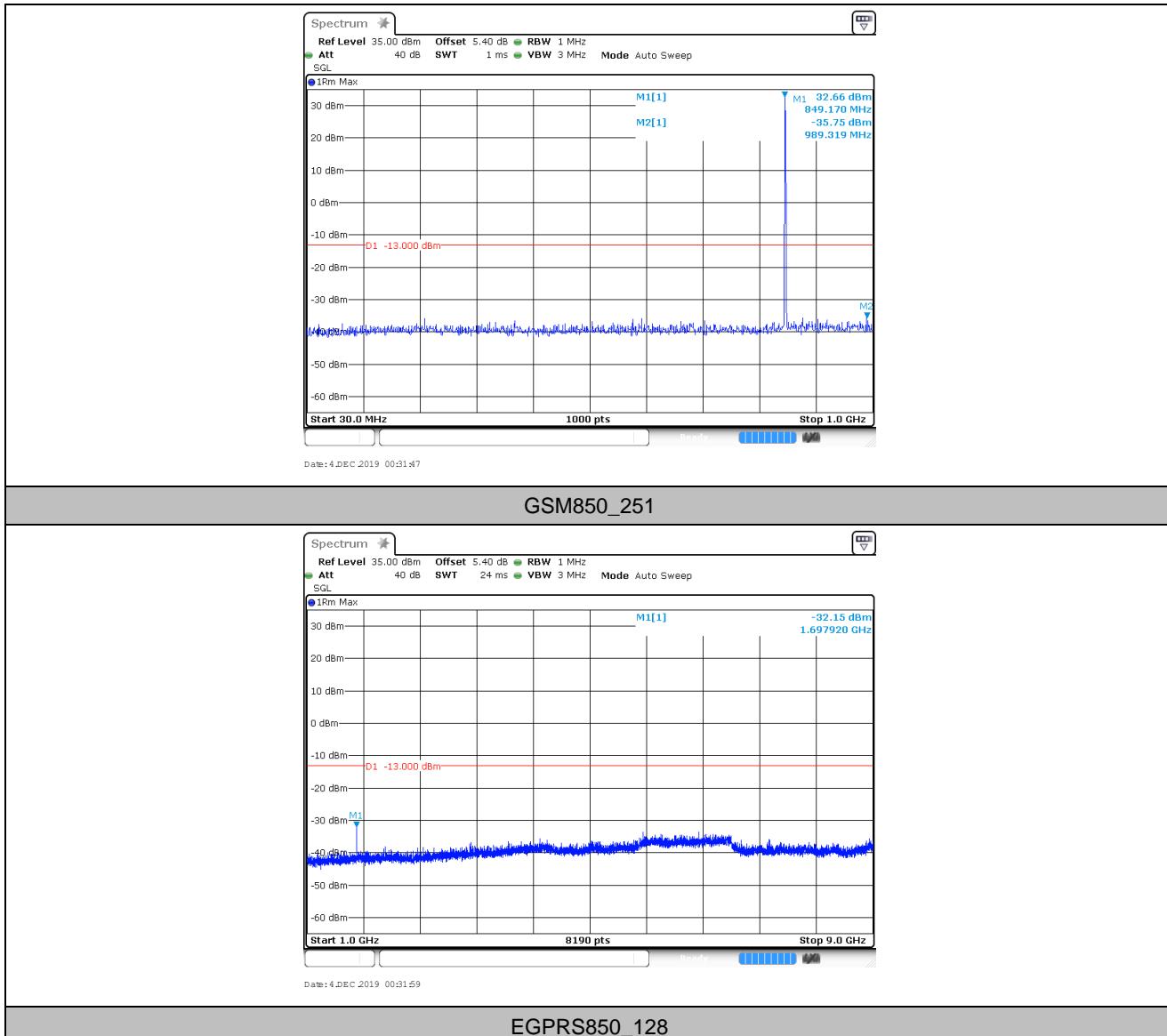
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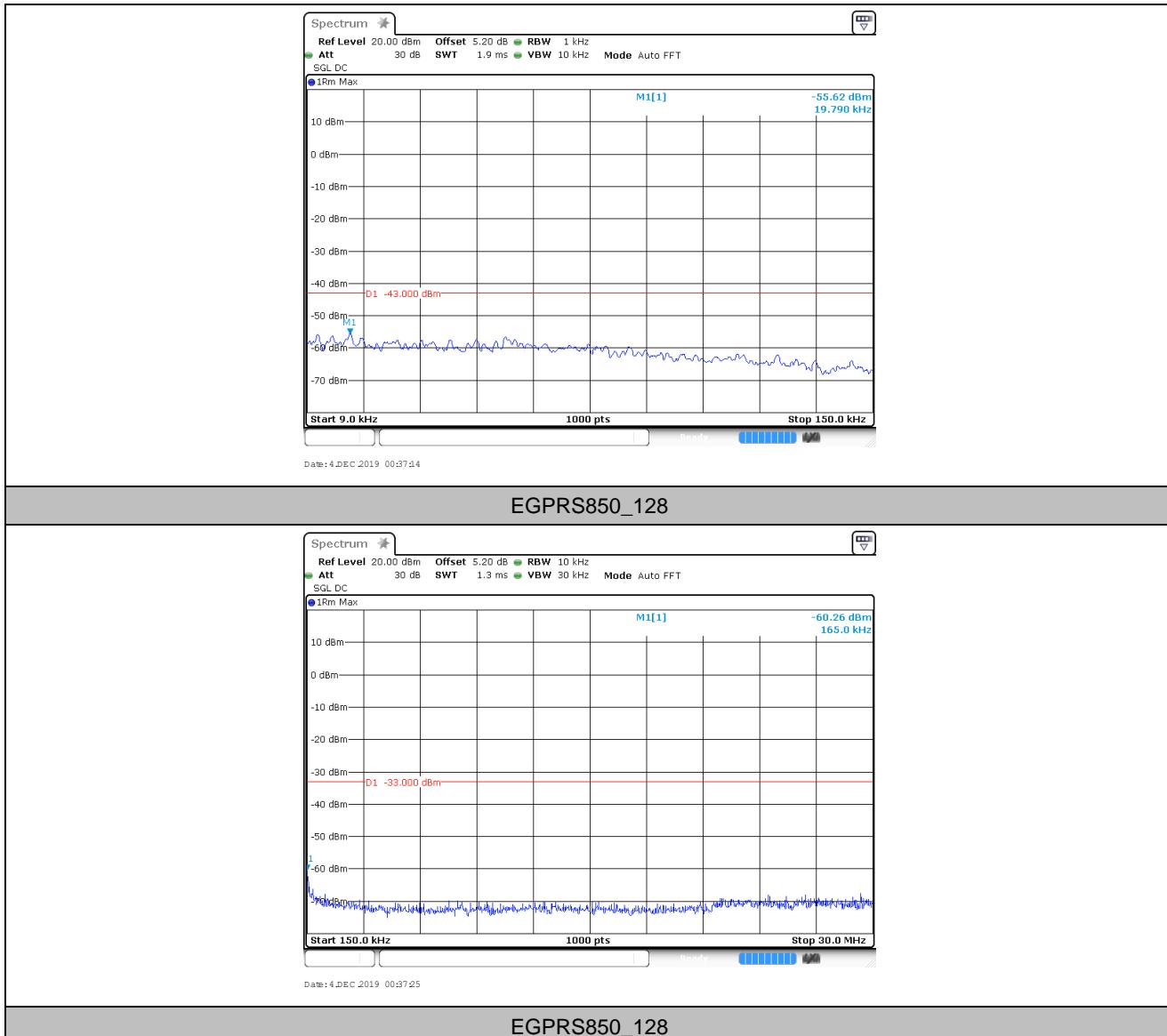
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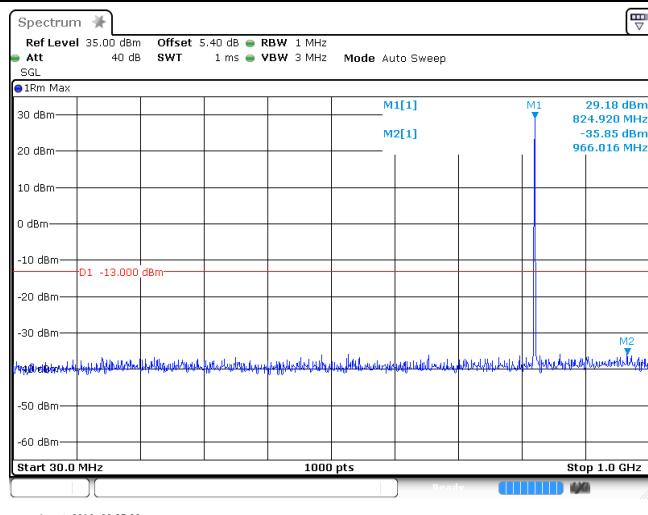
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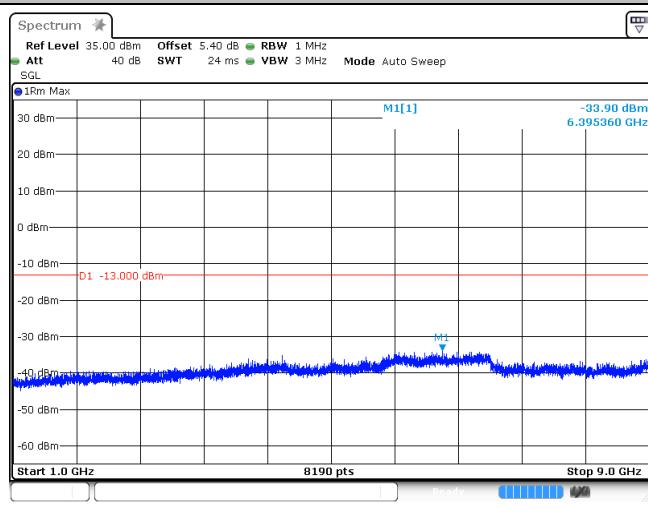


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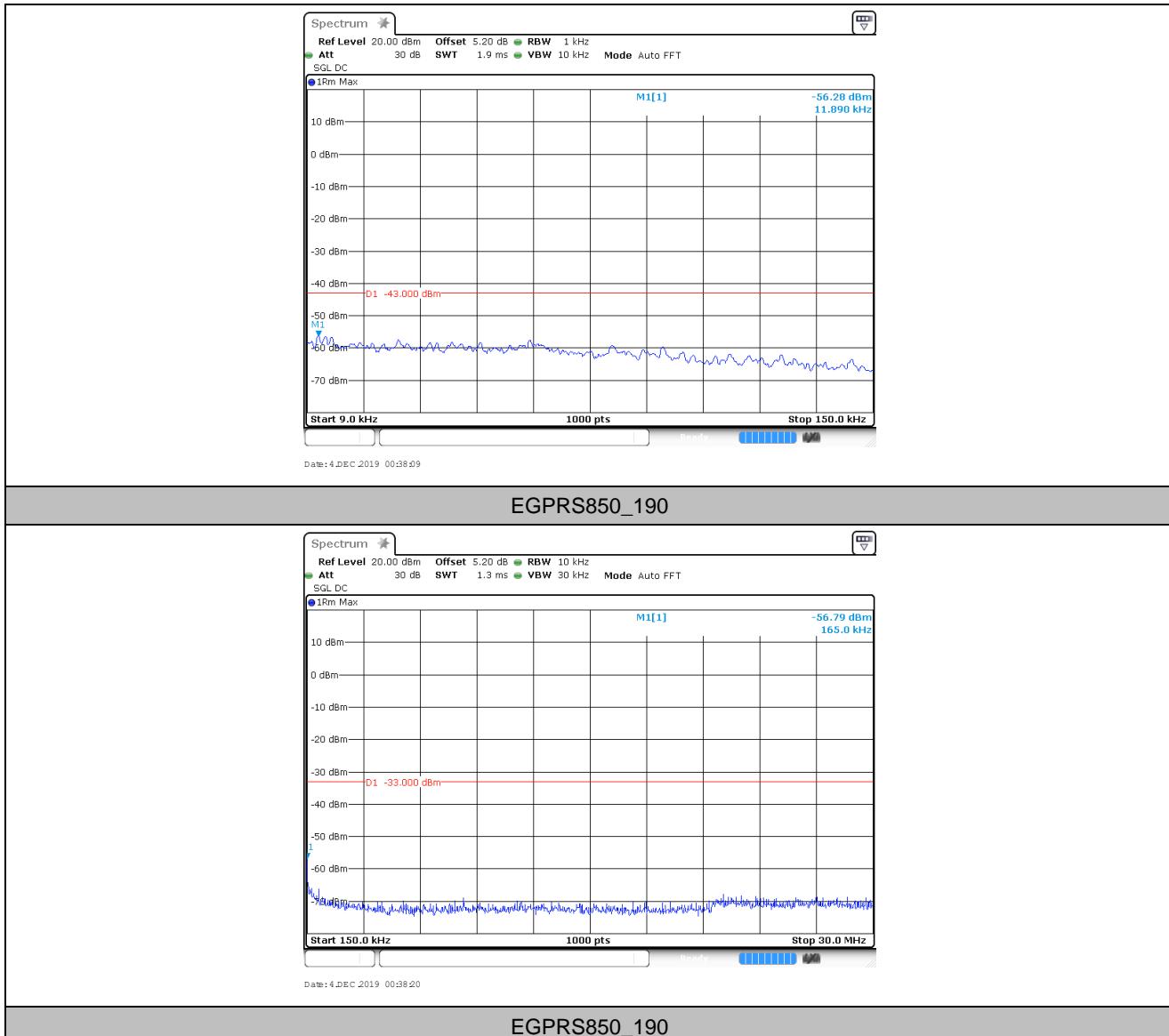
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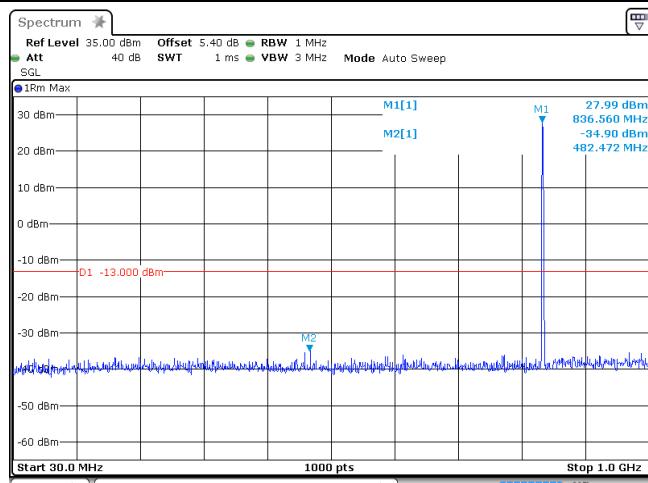
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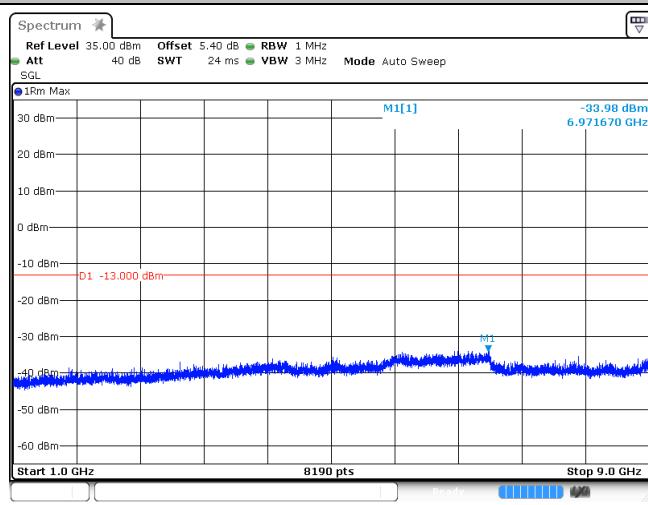


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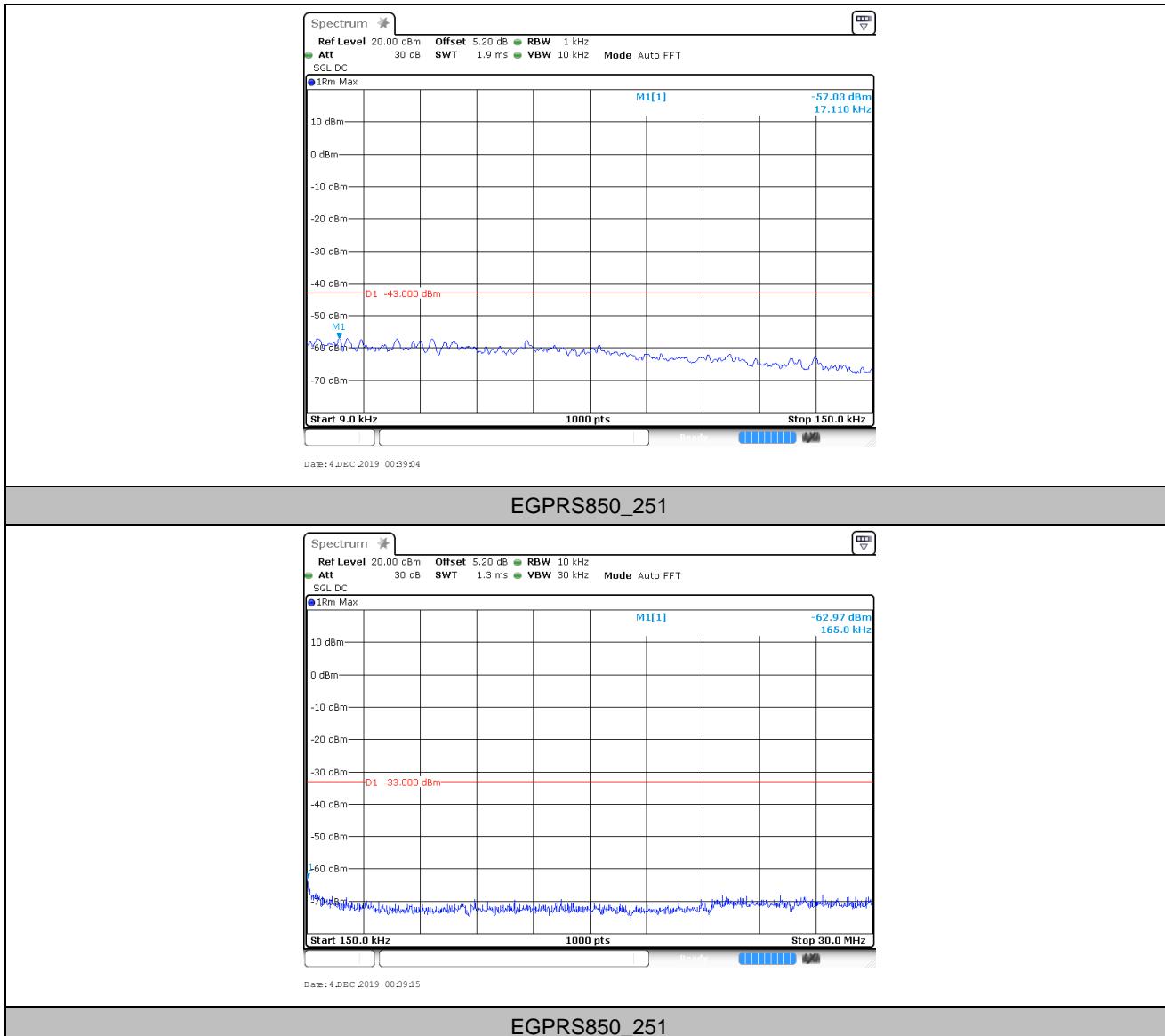
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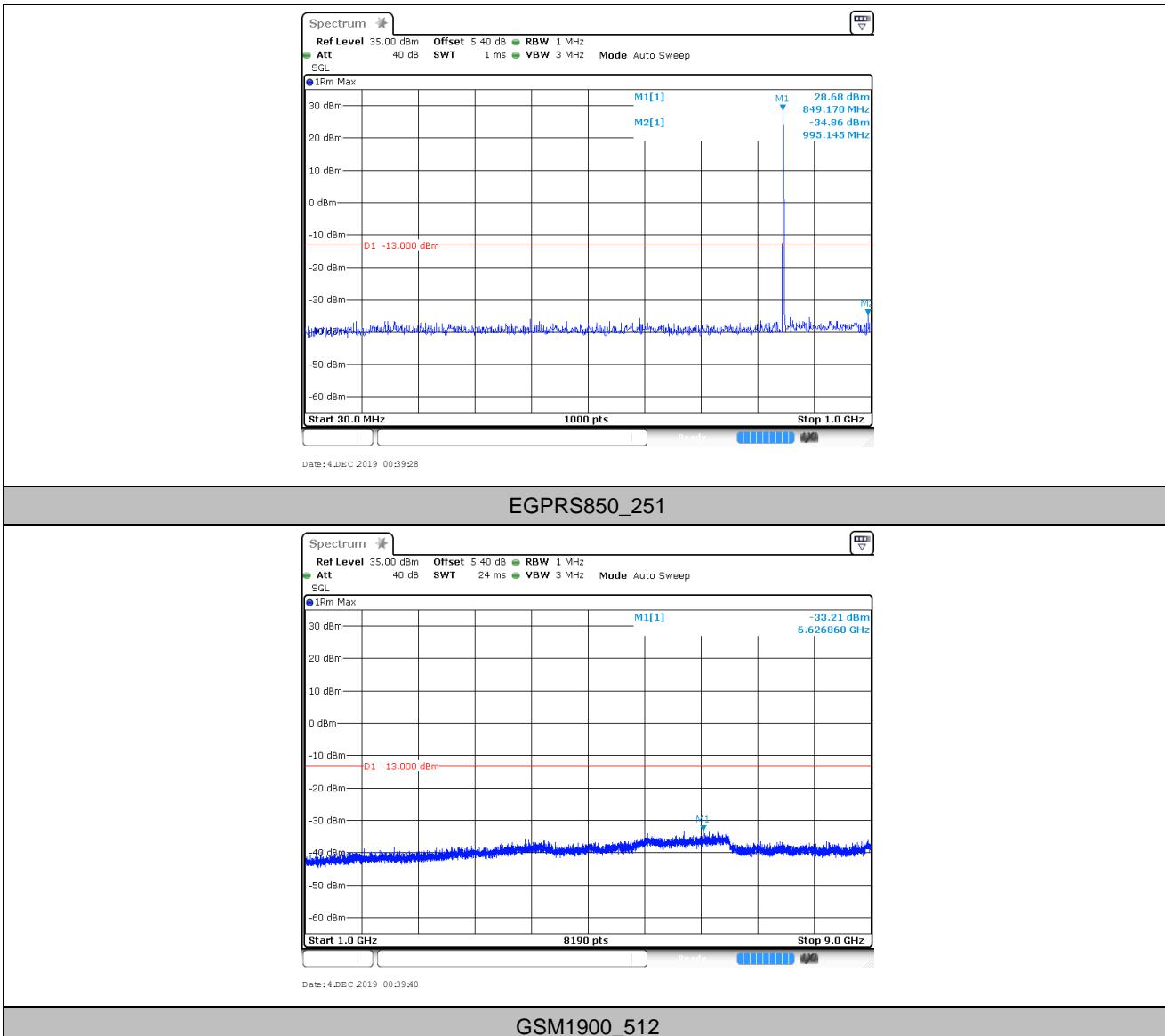


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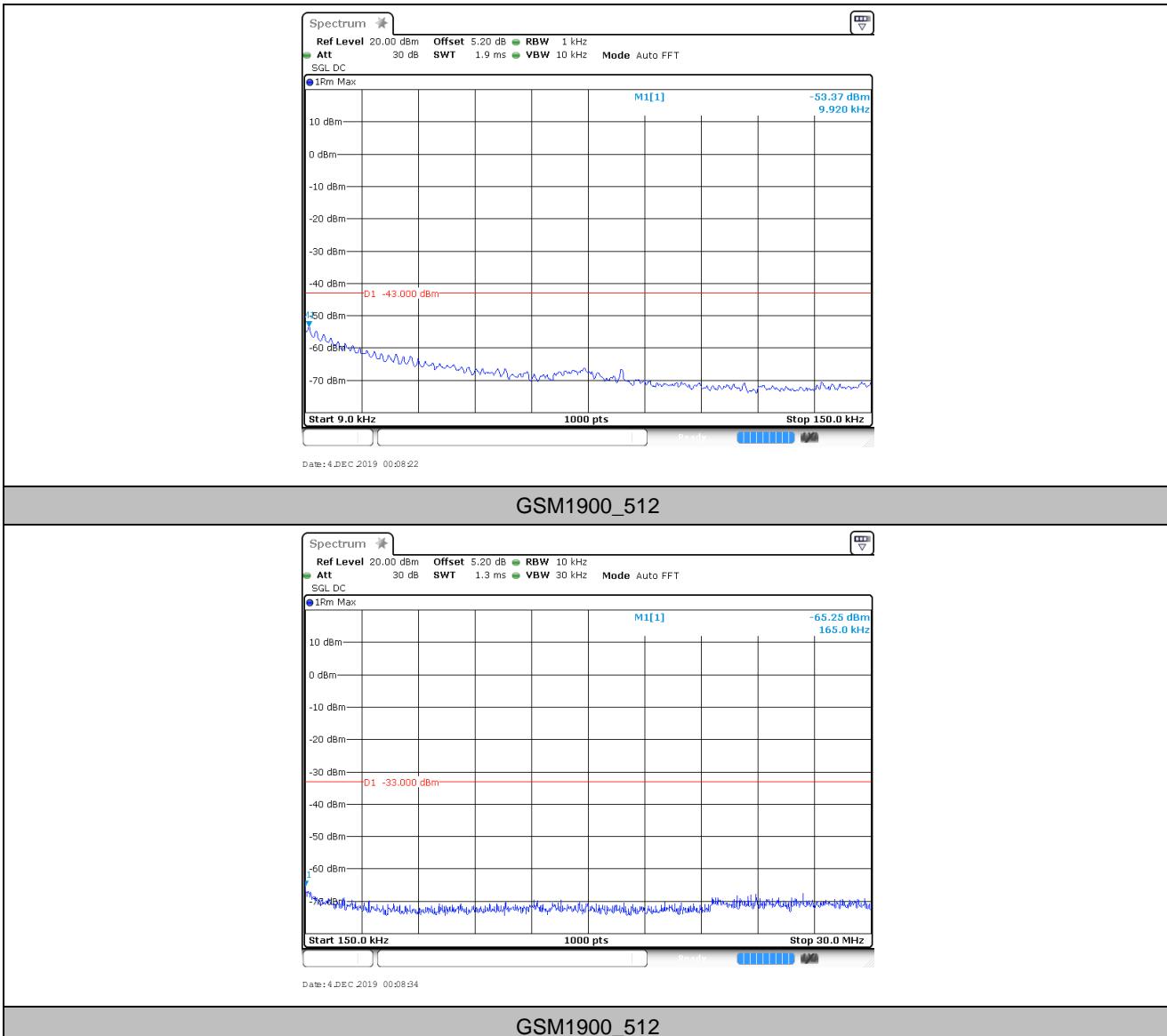


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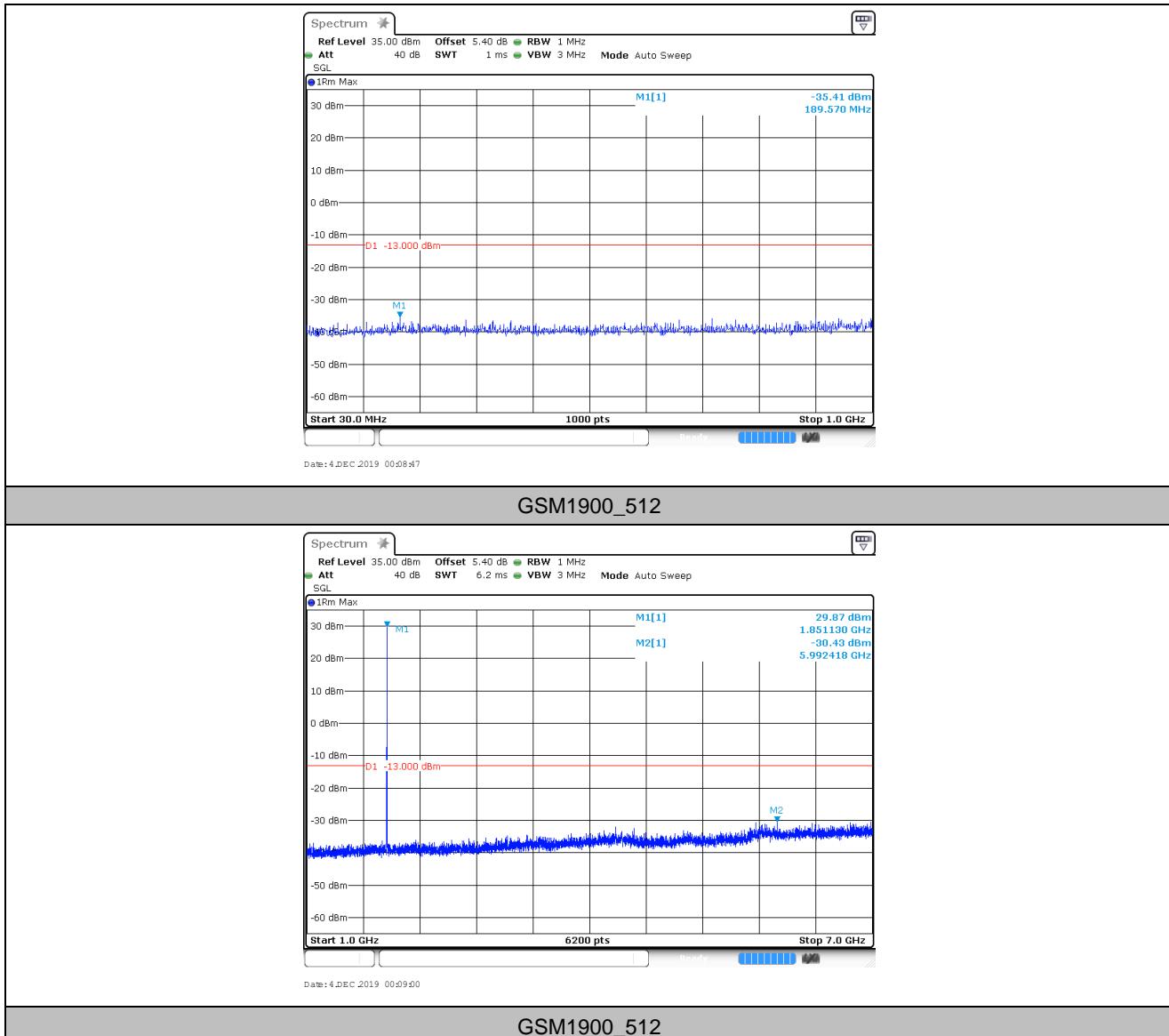
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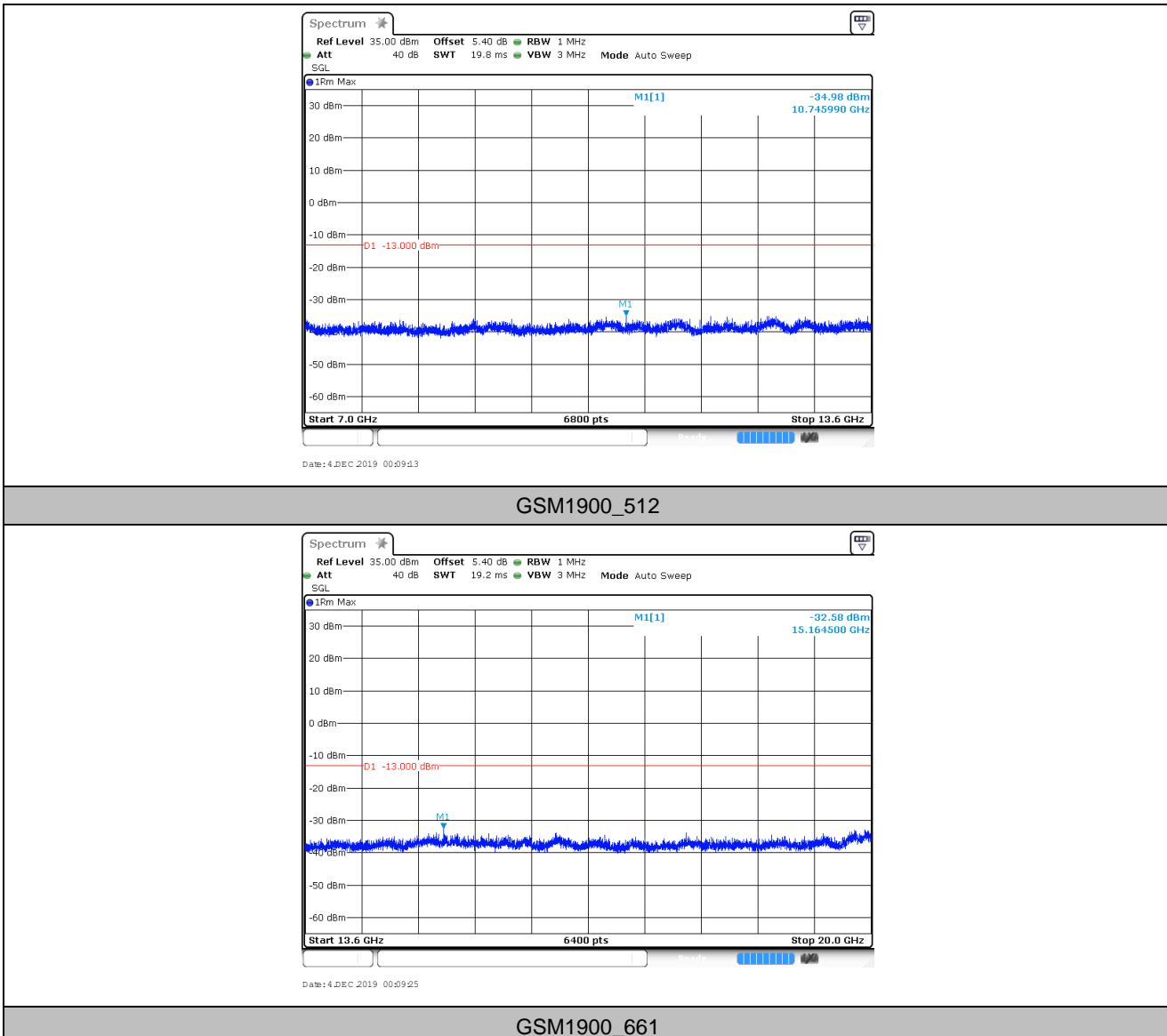


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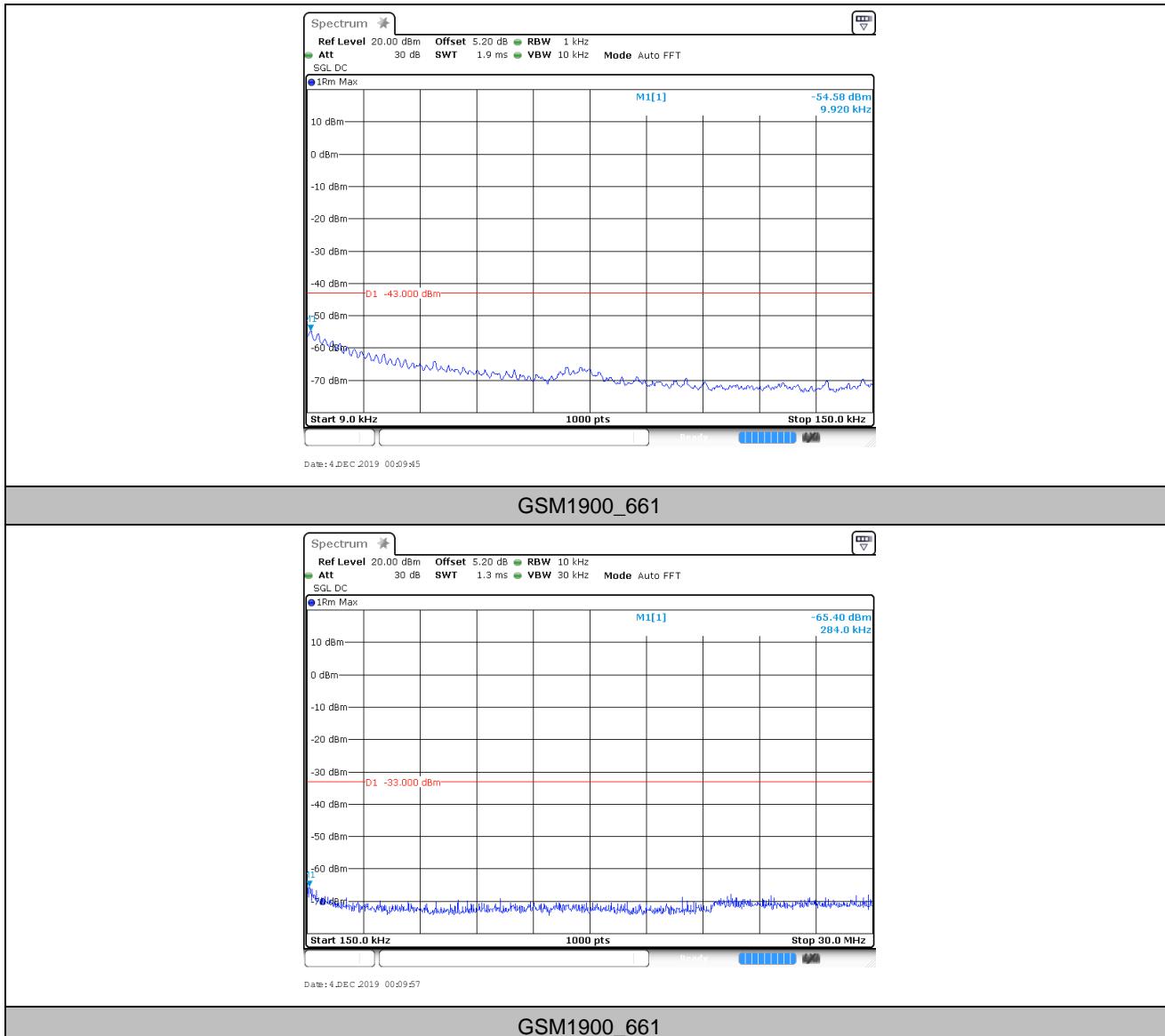


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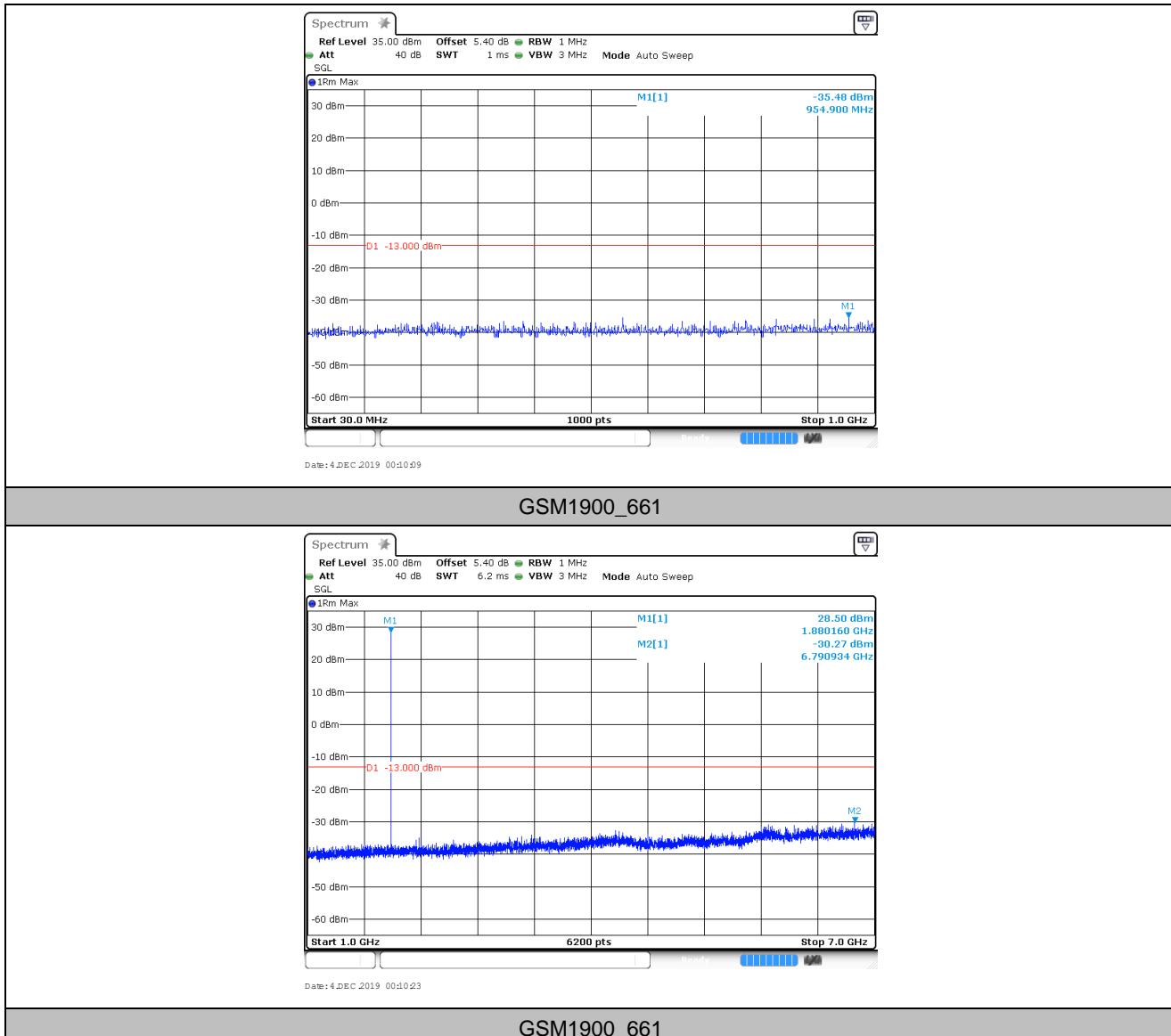
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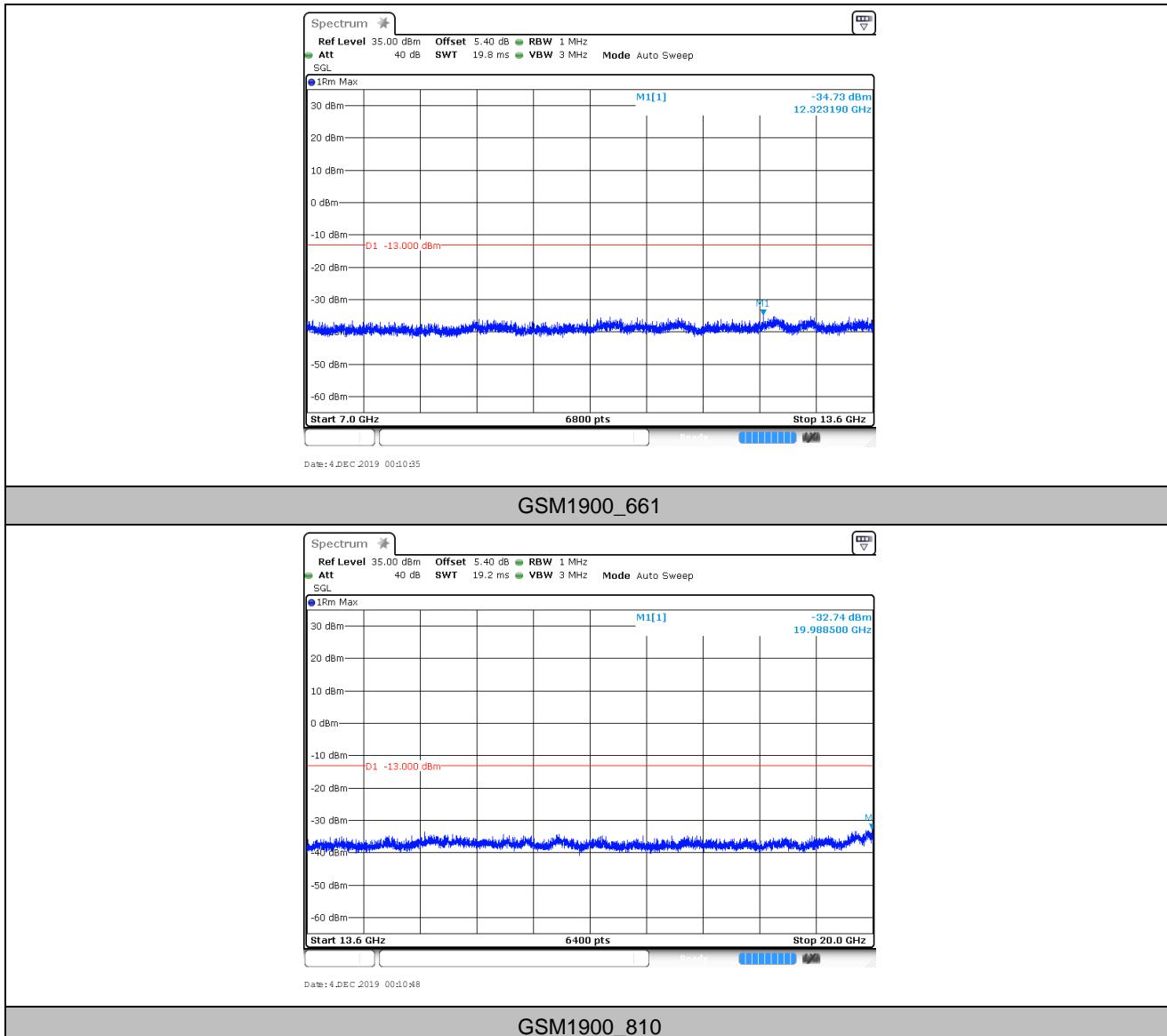


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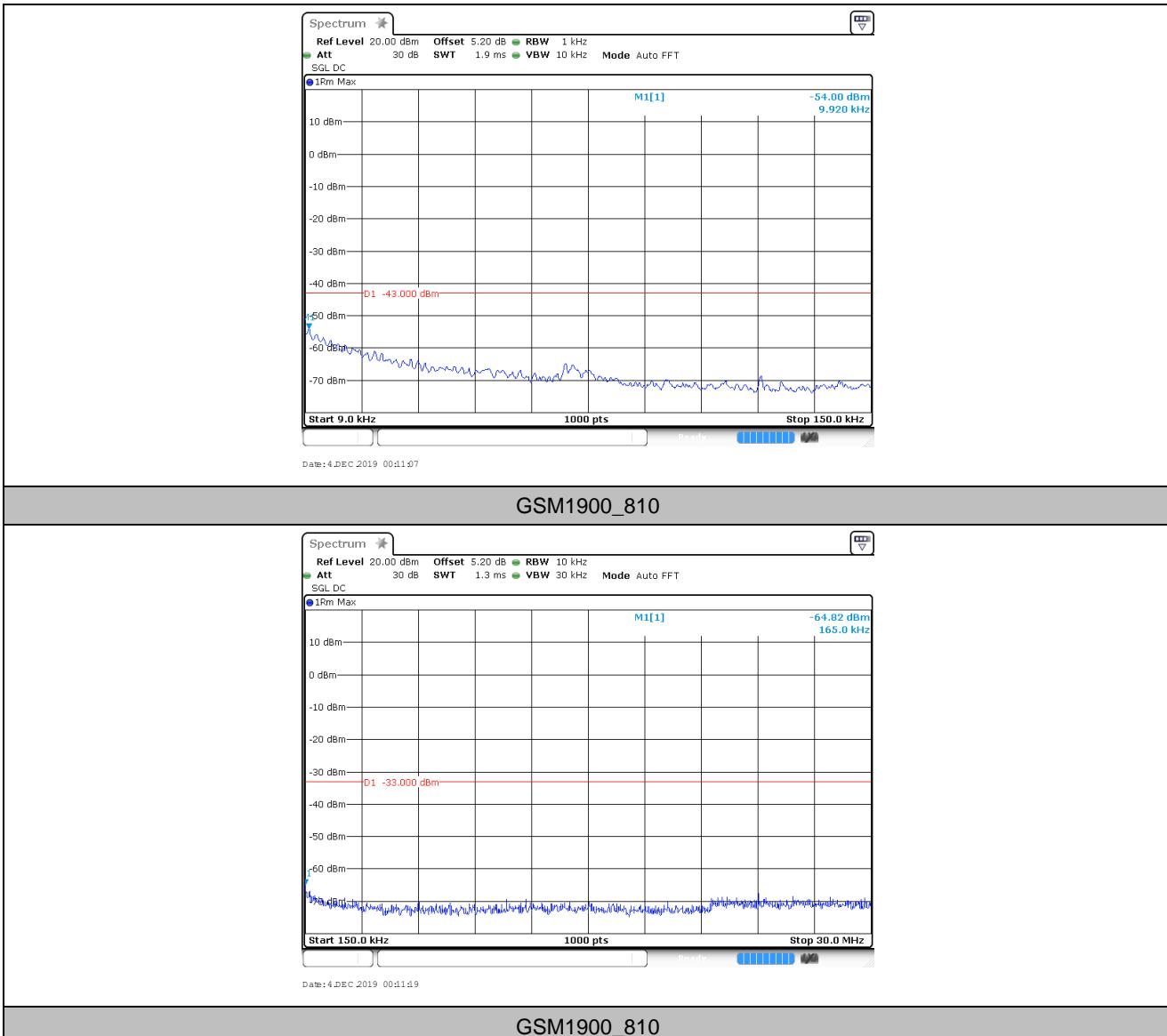


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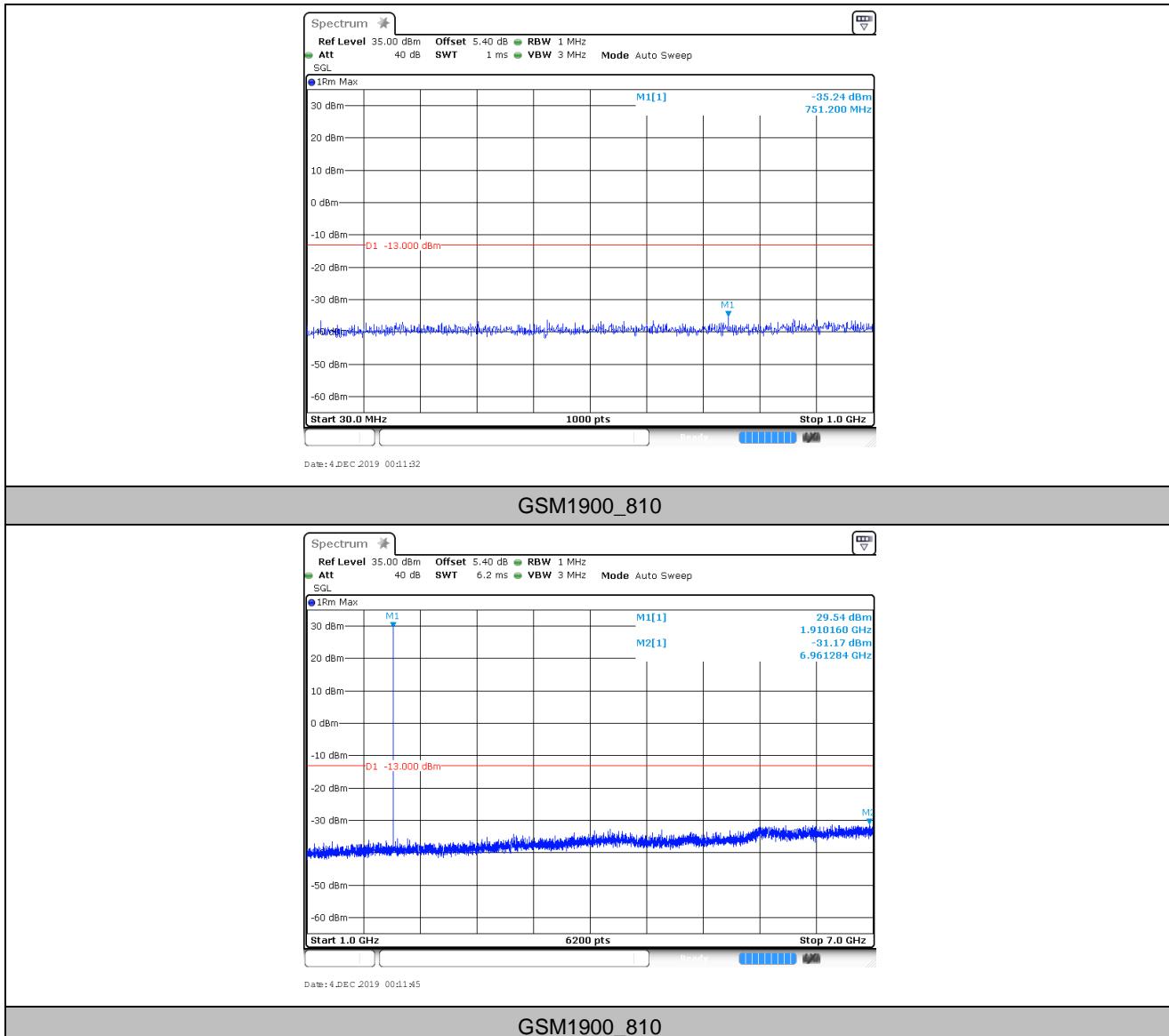
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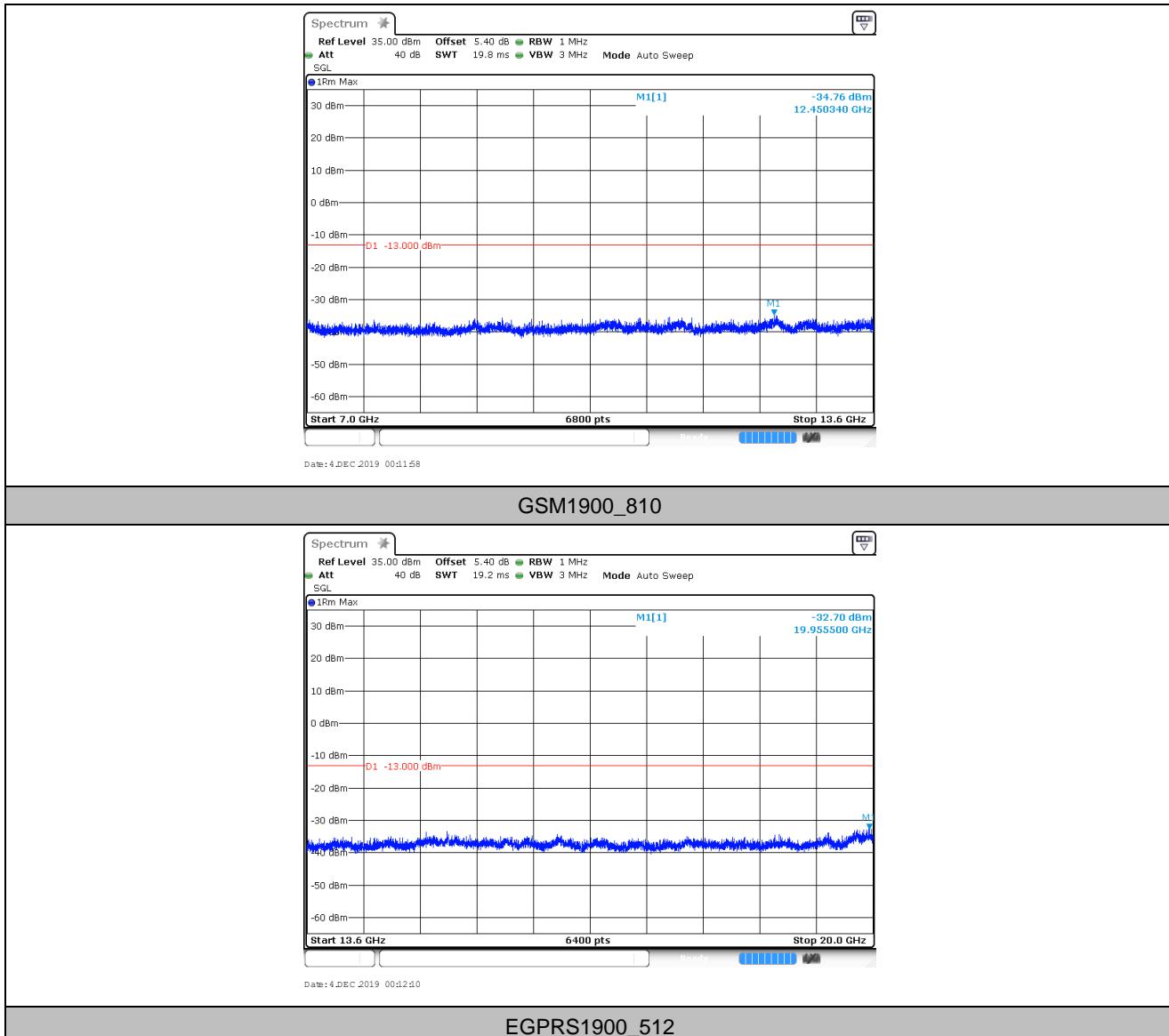


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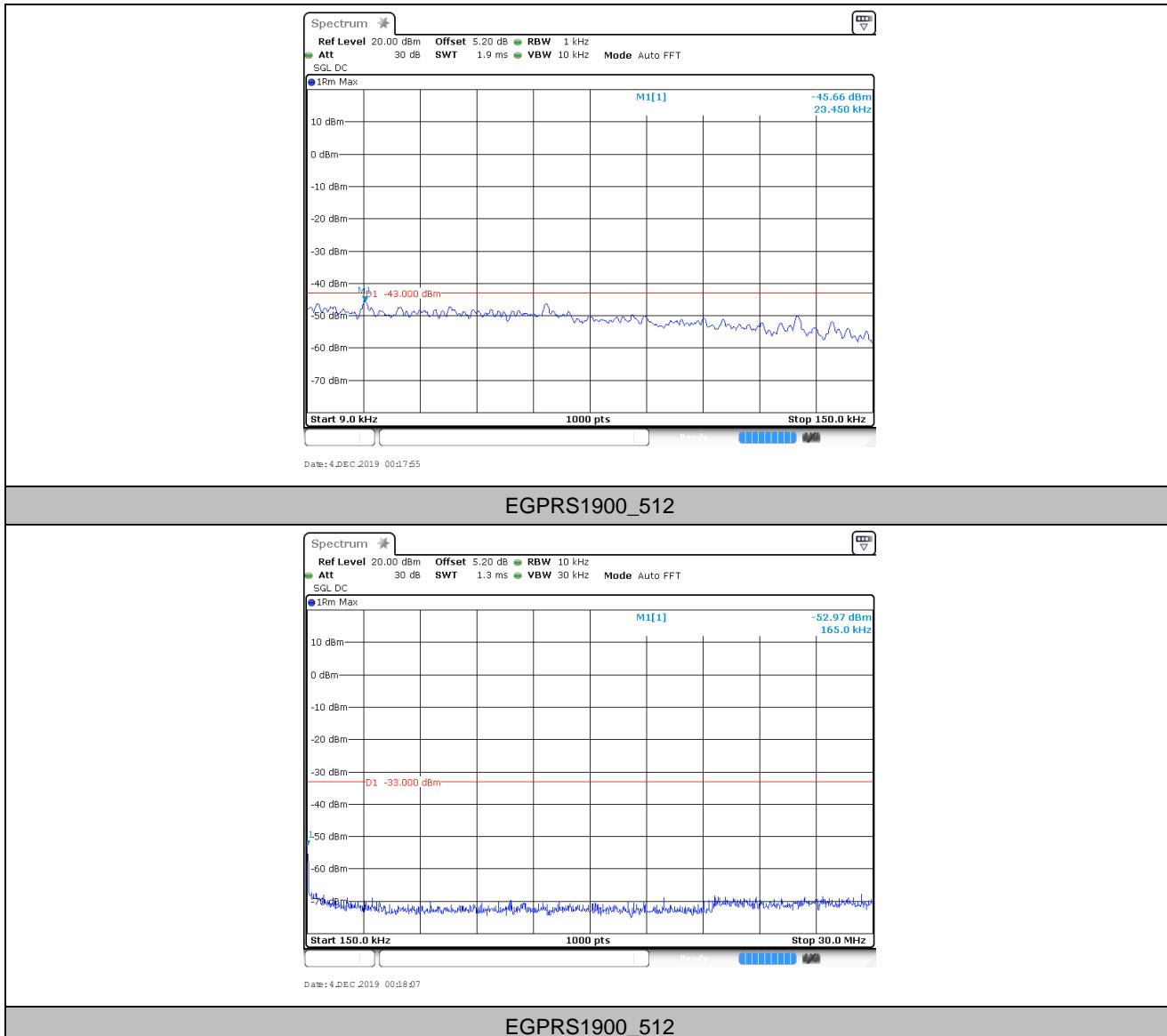


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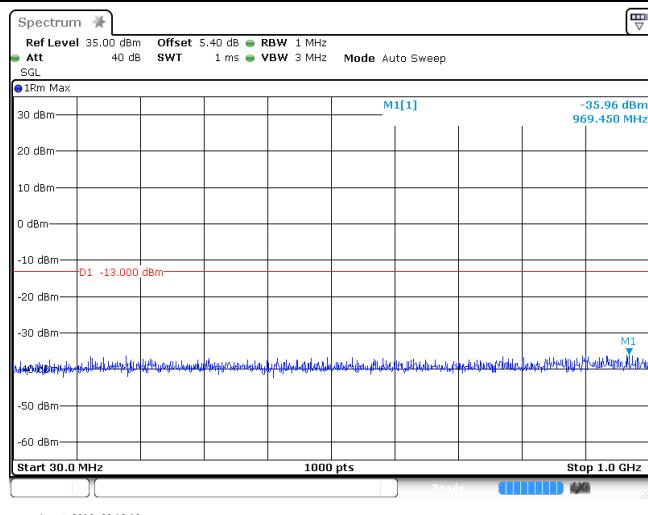


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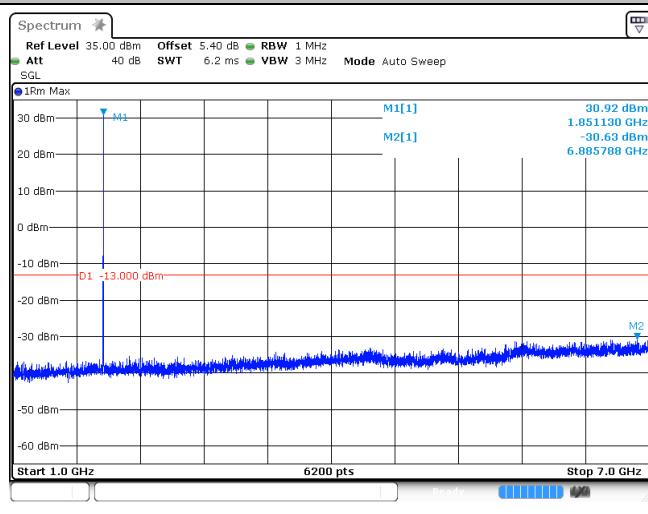
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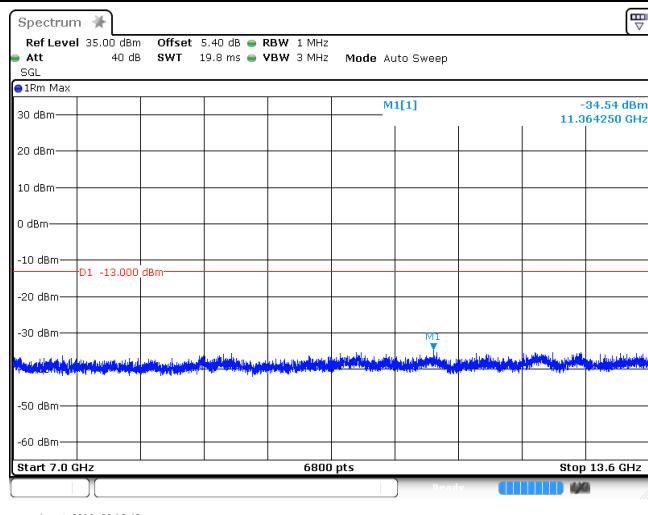


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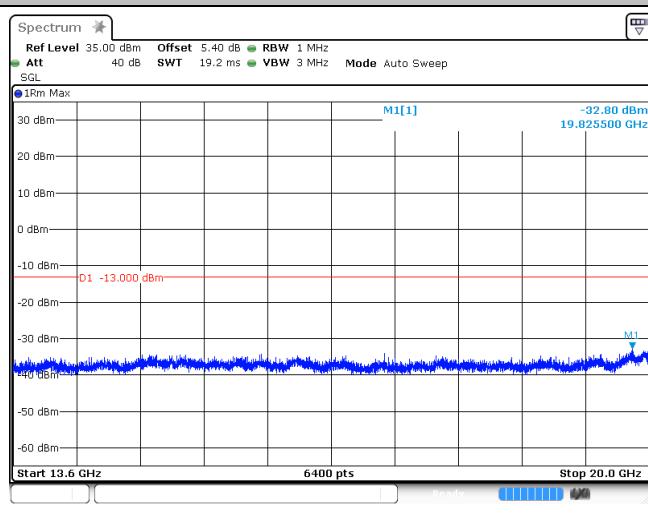
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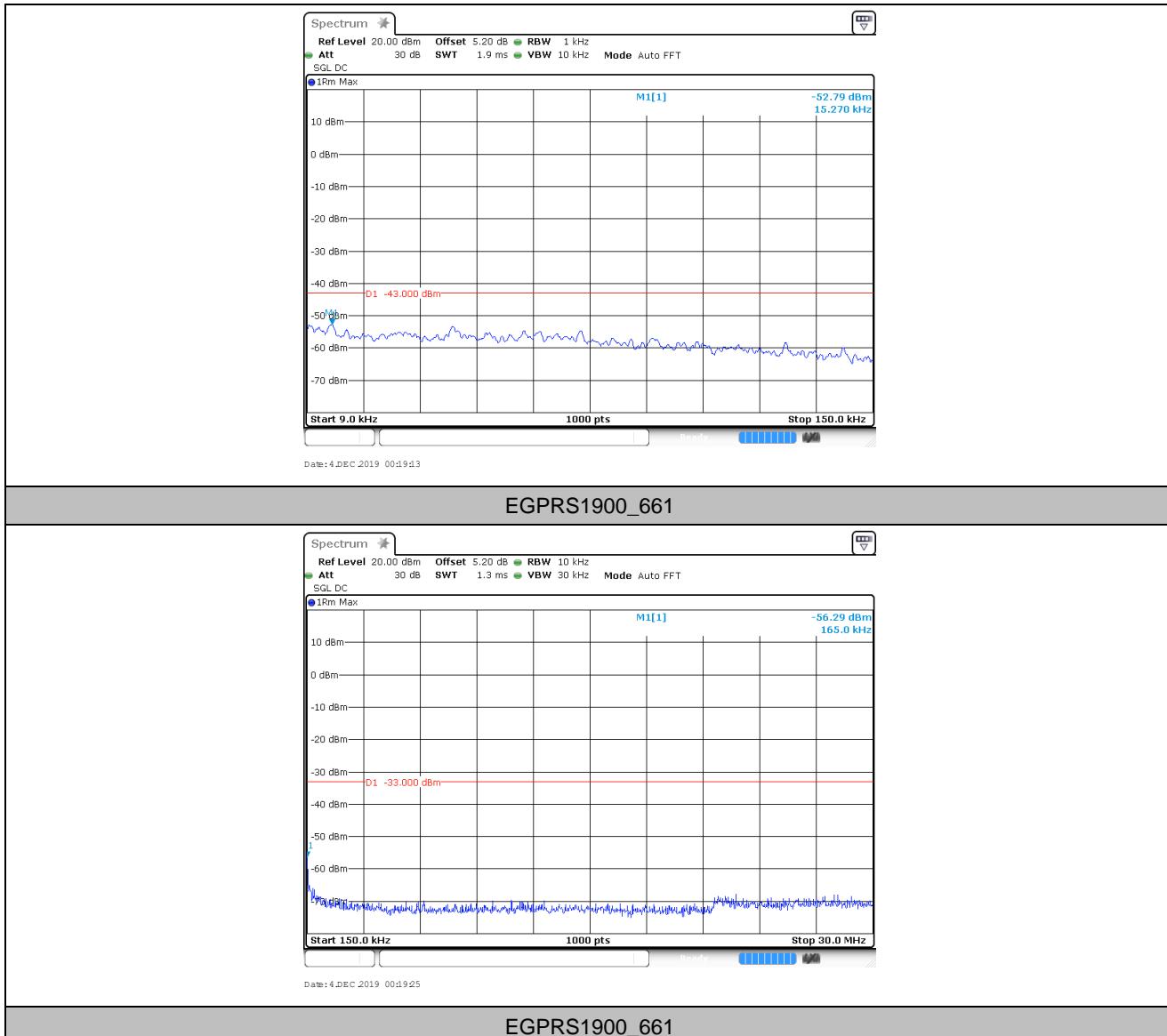


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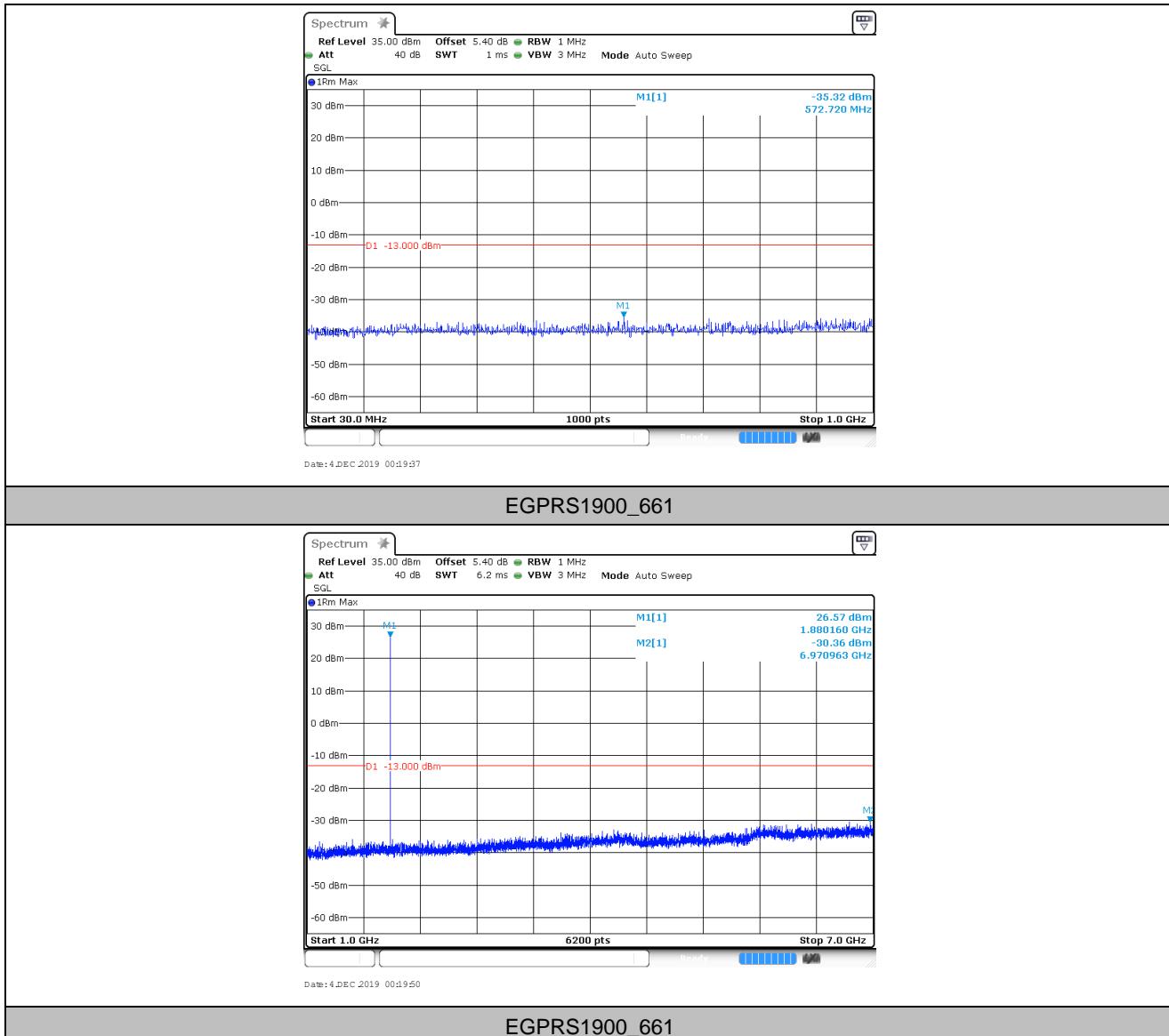


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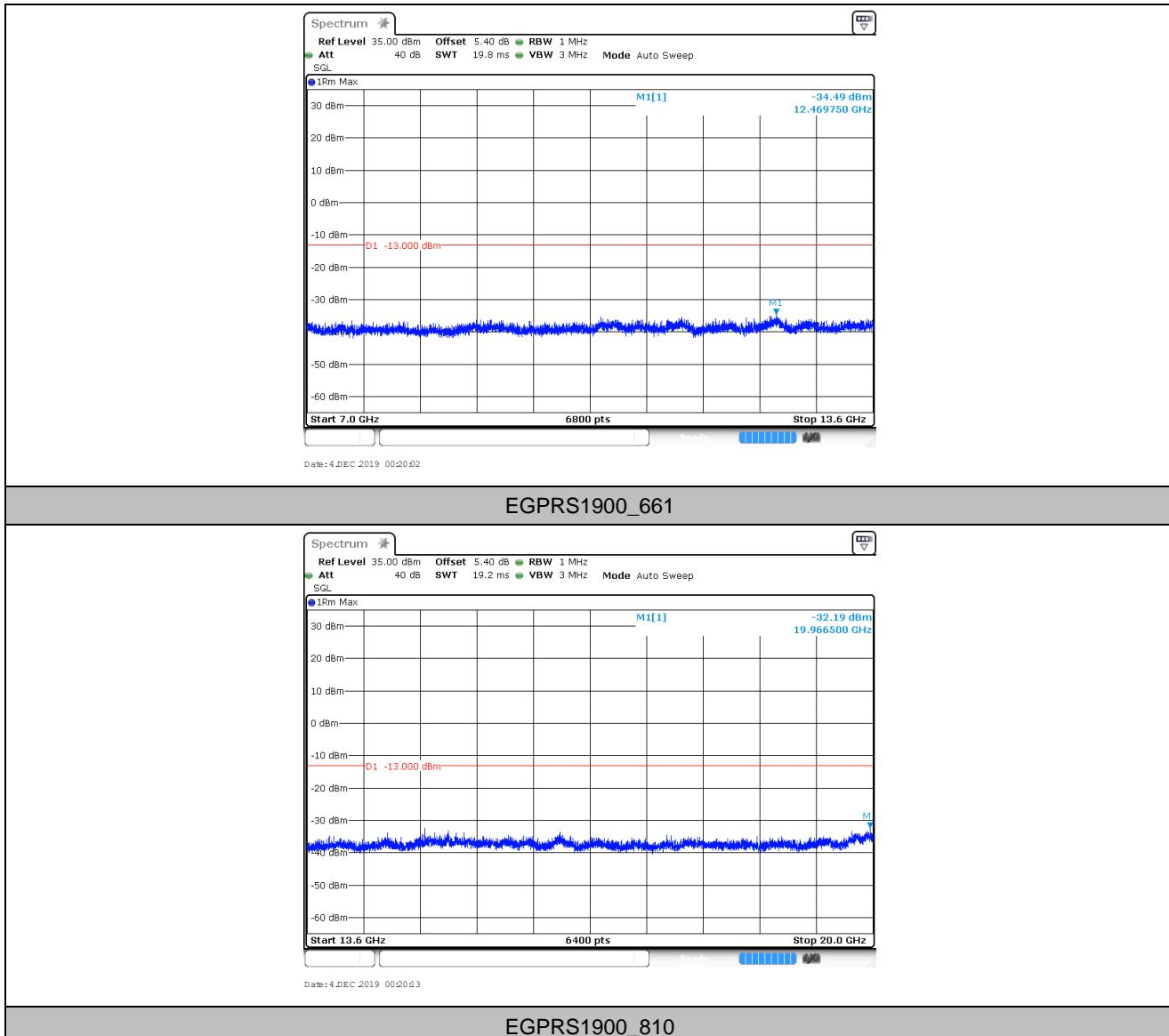
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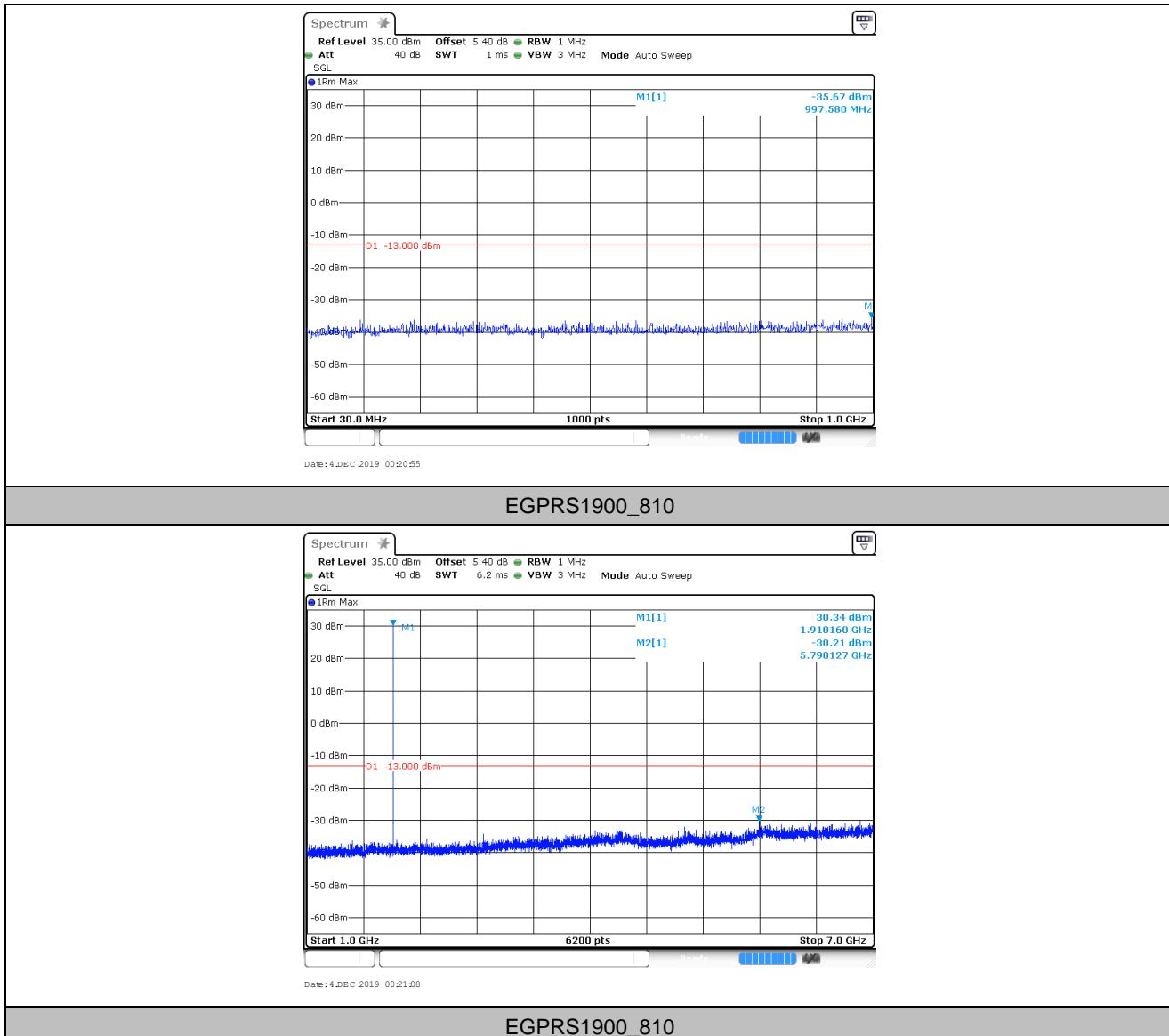


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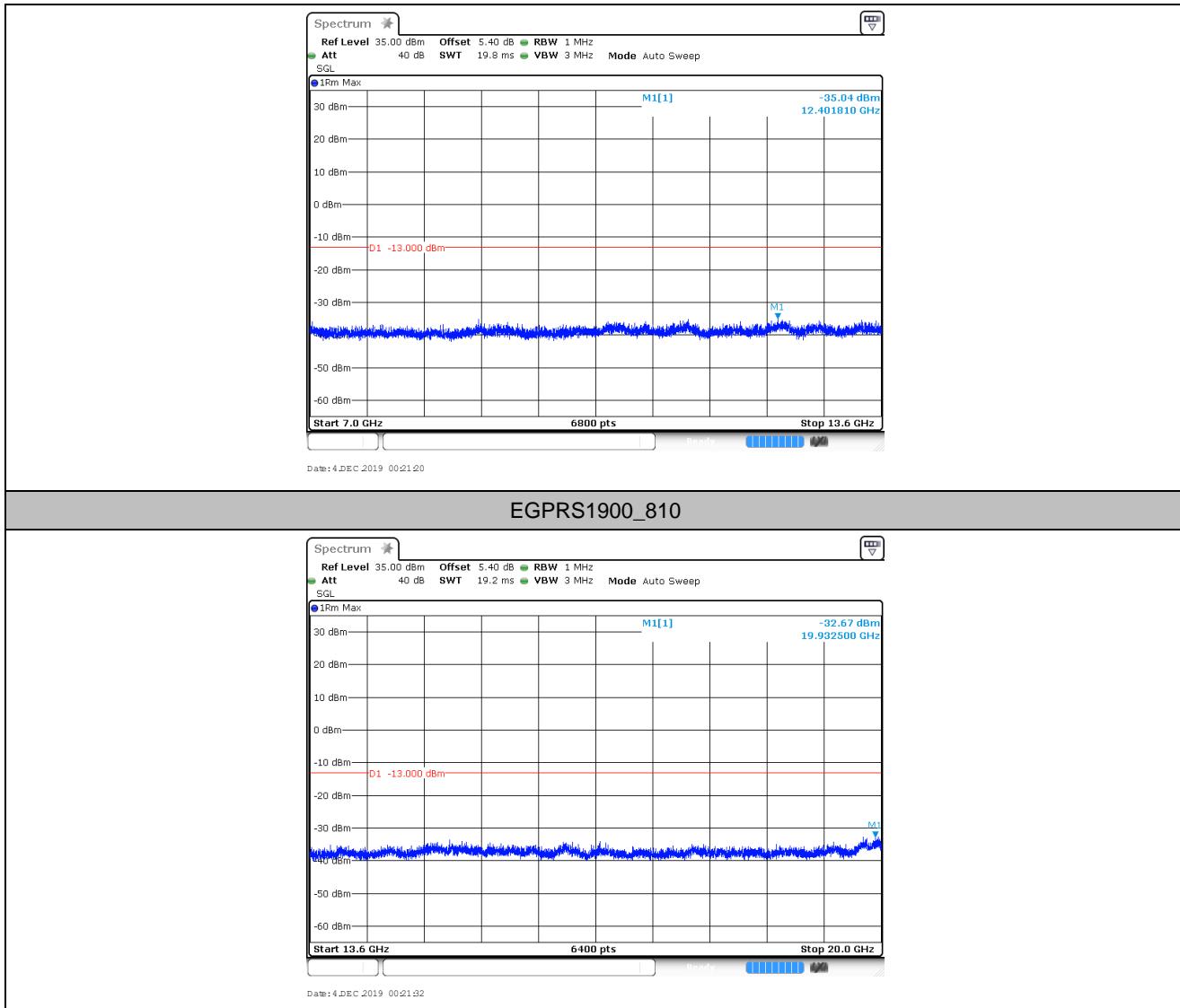


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7. Field Strength of Spurious Radiation

7.1. Test Band = GSM 1900

7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
107.4584	-64.51	-13.00	51.51	174	293	Vertical
3760.0253	-52.40	-13.00	39.40	185	39	Vertical
5640.0880	-49.56	-13.00	36.56	196	39	Vertical
9400.2133	-37.79	-13.00	24.79	231	7	Vertical
13159.8387	-37.35	-13.00	24.35	262	39	Vertical
17975.4992	-34.49	-13.00	21.49	291	71	Vertical
45.0843	-64.04	-13.00	51.04	285	230	Horizontal
230.3150	-67.51	-13.00	54.51	174	166	Horizontal
3760.0253	-50.08	-13.00	37.08	196	7	Horizontal
5640.0880	-46.16	-13.00	33.16	321	166	Horizontal
13159.8387	-41.33	-13.00	28.33	262	7	Horizontal
16380.9460	-38.04	-13.00	25.04	215	7	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
108.7194	-64.31	-13.00	51.31	251	293	Vertical
447.7514	-66.69	-13.00	53.69	166	261	Vertical
3700.5234	-43.83	-13.00	30.83	184	7	Vertical
7400.6467	-43.38	-13.00	30.38	196	7	Vertical
12951.3317	-37.26	-13.00	24.26	213	39	Vertical
17994.9998	-34.53	-13.00	21.53	262	102	Vertical
43.3382	-64.25	-13.00	51.25	159	134	Horizontal
235.2623	-67.69	-13.00	54.69	196	230	Horizontal
3700.5234	-44.95	-13.00	31.95	153	293	Horizontal
5550.5850	-47.73	-13.00	34.73	262	166	Horizontal
12951.3317	-39.37	-13.00	26.37	248	8	Horizontal
16388.4463	-38.60	-13.00	25.60	174	40	Horizontal

7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
119.9720	-64.54	-13.00	51.54	196	165	Vertical

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3819.5273	-46.32	-13.00	33.32	185	198	Vertical
5729.5910	-49.01	-13.00	36.01	255	325	Vertical
9548.7183	-34.11	-13.00	21.11	214	6	Vertical
13368.3456	-37.89	-13.00	24.89	184	38	Vertical
17996.9999	-34.49	-13.00	21.49	231	6	Vertical
42.5136	-64.21	-13.00	51.21	174	70	Horizontal
227.4534	-68.02	-13.00	55.02	185	38	Horizontal
3819.5273	-46.86	-13.00	33.86	196	293	Horizontal
5729.5910	-48.81	-13.00	35.81	213	230	Horizontal
9548.7183	-44.62	-13.00	31.62	262	261	Horizontal
16398.4466	-38.81	-13.00	25.81	254	102	Horizontal

7.2. Test Band = GSM 850

7.2.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
111.9691	-63.57	-13.00	50.57	185	198	Vertical
1673.3347	-41.41	-13.00	28.41	196	267	Vertical
2509.5019	-46.06	-13.00	33.06	231	311	Vertical
3346.5116	-51.54	-13.00	38.54	262	166	Vertical
4183.0394	-37.14	-13.00	24.14	274	166	Vertical
17987.9996	-33.80	-13.00	20.80	184	70	Vertical
231.9641	-66.92	-13.00	53.92	185	102	Horizontal
1673.3347	-35.84	-13.00	22.84	196	280	Horizontal
2509.9020	-39.51	-13.00	26.51	231	210	Horizontal
3346.5116	-44.57	-13.00	31.57	262	324	Horizontal
4182.5394	-38.38	-13.00	25.38	274	293	Horizontal
16377.4459	-38.32	-13.00	25.32	184	261	Horizontal

7.2.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
119.5355	-64.13	-13.00	51.13	185	102	Vertical
1648.5297	-44.84	-13.00	31.84	196	280	Vertical
2472.6945	-48.84	-13.00	35.84	231	210	Vertical
3297.0099	-47.69	-13.00	34.69	262	324	Vertical
4121.0374	-41.81	-13.00	28.81	274	293	Vertical
17995.9999	-34.21	-13.00	21.21	184	261	Vertical
40.1370	-62.42	-13.00	49.42	162	102	Horizontal
1648.1296	-39.79	-13.00	26.79	258	271	Horizontal

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2472.2945	-44.78	-13.00	31.78	196	211	Horizontal
3297.0099	-43.38	-13.00	30.38	258	356	Horizontal
4121.0374	-41.51	-13.00	28.51	184	293	Horizontal
16382.9461	-38.37	-13.00	25.37	251	134	Horizontal

7.2.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
111.2416	-64.42	-13.00	51.42	174	167	Vertical
1697.7395	-39.73	-13.00	26.73	185	348	Vertical
2546.7093	-46.76	-13.00	33.76	196	318	Vertical
3395.5132	-49.67	-13.00	36.67	251	230	Vertical
4244.0415	-39.73	-13.00	26.73	194	9	Vertical
17994.9998	-34.51	-13.00	21.51	241	104	Vertical
39.7975	-62.85	-13.00	49.85	215	167	Horizontal
1697.3395	-34.39	-13.00	21.39	206	288	Horizontal
2546.3093	-43.53	-13.00	30.53	148	210	Horizontal
3395.5132	-44.92	-13.00	31.92	196	294	Horizontal
4244.0415	-42.41	-13.00	29.41	212	356	Horizontal
16393.9465	-38.38	-13.00	25.38	262	198	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

Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	VL	TN	0.81	0.000979	±2.5	PASS
GSM850	128	VN	TN	-1.74	-0.002115	±2.5	PASS
GSM850	128	VH	TN	-2.55	-0.003095	±2.5	PASS
GSM850	190	VL	TN	0.90	0.001081	±2.5	PASS
GSM850	190	VN	TN	0.58	0.000695	±2.5	PASS
GSM850	190	VH	TN	1.97	0.002354	±2.5	PASS
GSM850	251	VL	TN	-1.26	-0.001483	±2.5	PASS
GSM850	251	VN	TN	-1.45	-0.001712	±2.5	PASS
GSM850	251	VH	TN	1.65	0.001940	±2.5	PASS
EGPRS850	128	VL	TN	-1.42	-0.001724	±2.5	PASS
EGPRS850	128	VN	TN	5.13	0.006228	±2.5	PASS
EGPRS850	128	VH	TN	2.91	0.003526	±2.5	PASS
EGPRS850	190	VL	TN	1.74	0.002084	±2.5	PASS
EGPRS850	190	VN	TN	5.13	0.006136	±2.5	PASS
EGPRS850	190	VH	TN	-1.00	-0.001196	±2.5	PASS
EGPRS850	251	VL	TN	5.81	0.006847	±2.5	PASS
EGPRS850	251	VN	TN	0.94	0.001103	±2.5	PASS
EGPRS850	251	VH	TN	0.19	0.000228	±2.5	PASS
GSM1900	512	VL	TN	8.17	0.004415	±2.5	PASS
GSM1900	512	VN	TN	7.26	0.003926	±2.5	PASS
GSM1900	512	VH	TN	13.79	0.007451	±2.5	PASS
GSM1900	661	VL	TN	8.56	0.004551	±2.5	PASS
GSM1900	661	VN	TN	13.04	0.006938	±2.5	PASS
GSM1900	661	VH	TN	8.81	0.004688	±2.5	PASS
GSM1900	810	VL	TN	7.30	0.003821	±2.5	PASS
GSM1900	810	VN	TN	7.04	0.003685	±2.5	PASS
GSM1900	810	VH	TN	5.46	0.002857	±2.5	PASS
EGPRS1900	512	VL	TN	0.58	0.000314	±2.5	PASS
EGPRS1900	512	VN	TN	1.55	0.000838	±2.5	PASS
EGPRS1900	512	VH	TN	13.33	0.007207	±2.5	PASS
EGPRS1900	661	VL	TN	8.62	0.004585	±2.5	PASS
EGPRS1900	661	VN	TN	10.98	0.005839	±2.5	PASS
EGPRS1900	661	VH	TN	6.52	0.003469	±2.5	PASS
EGPRS1900	810	VL	TN	11.59	0.006069	±2.5	PASS
EGPRS1900	810	VN	TN	8.56	0.004480	±2.5	PASS
EGPRS1900	810	VH	TN	7.75	0.004057	±2.5	PASS

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8.2. Frequency Error Vs Temperature

Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	VN	-30	4.39	0.005327	±2.5	PASS
GSM850	128	VN	-20	2.78	0.003369	±2.5	PASS
GSM850	128	VN	-10	-0.68	-0.000823	±2.5	PASS
GSM850	128	VN	0	-1.61	-0.001959	±2.5	PASS
GSM850	128	VN	10	-5.17	-0.006268	±2.5	PASS
GSM850	128	VN	20	-2.68	-0.003251	±2.5	PASS
GSM850	128	VN	30	-5.20	-0.006307	±2.5	PASS
GSM850	128	VN	40	-2.29	-0.002781	±2.5	PASS
GSM850	128	VN	50	-3.16	-0.003839	±2.5	PASS
GSM850	190	VN	-30	0.87	0.001042	±2.5	PASS
GSM850	190	VN	-20	2.20	0.002624	±2.5	PASS
GSM850	190	VN	-10	5.23	0.006252	±2.5	PASS
GSM850	190	VN	0	1.07	0.001274	±2.5	PASS
GSM850	190	VN	10	-1.68	-0.002007	±2.5	PASS
GSM850	190	VN	20	-2.39	-0.002856	±2.5	PASS
GSM850	190	VN	30	-1.23	-0.001466	±2.5	PASS
GSM850	190	VN	40	0.26	0.000309	±2.5	PASS
GSM850	190	VN	50	-2.39	-0.002856	±2.5	PASS
GSM850	251	VN	-30	0.58	0.000685	±2.5	PASS
GSM850	251	VN	-20	4.94	0.005820	±2.5	PASS
GSM850	251	VN	-10	1.87	0.002206	±2.5	PASS
GSM850	251	VN	0	-3.10	-0.003652	±2.5	PASS
GSM850	251	VN	10	-1.68	-0.001978	±2.5	PASS
GSM850	251	VN	20	2.29	0.002701	±2.5	PASS
GSM850	251	VN	30	-0.16	-0.000190	±2.5	PASS
GSM850	251	VN	40	-0.03	-0.000038	±2.5	PASS
GSM850	251	VN	50	-0.87	-0.001027	±2.5	PASS
EGPRS850	128	VN	-30	1.00	0.001214	±2.5	PASS
EGPRS850	128	VN	-20	3.39	0.004113	±2.5	PASS
EGPRS850	128	VN	-10	-0.71	-0.000862	±2.5	PASS
EGPRS850	128	VN	0	3.75	0.004544	±2.5	PASS
EGPRS850	128	VN	10	-1.32	-0.001606	±2.5	PASS
EGPRS850	128	VN	20	3.94	0.004779	±2.5	PASS
EGPRS850	128	VN	30	1.78	0.002154	±2.5	PASS
EGPRS850	128	VN	40	3.81	0.004622	±2.5	PASS
EGPRS850	128	VN	50	0.42	0.000509	±2.5	PASS
EGPRS850	190	VN	-30	1.16	0.001389	±2.5	PASS
EGPRS850	190	VN	-20	-1.61	-0.001930	±2.5	PASS
EGPRS850	190	VN	-10	1.58	0.001891	±2.5	PASS
EGPRS850	190	VN	0	-0.26	-0.000309	±2.5	PASS
EGPRS850	190	VN	10	3.10	0.003705	±2.5	PASS
EGPRS850	190	VN	20	0.58	0.000695	±2.5	PASS
EGPRS850	190	VN	30	3.07	0.003666	±2.5	PASS

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EGPRS850	190	VN	40	0.03	0.000039	±2.5	PASS
EGPRS850	190	VN	50	1.61	0.001930	±2.5	PASS
EGPRS850	251	VN	-30	0.68	0.000799	±2.5	PASS
EGPRS850	251	VN	-20	1.87	0.002206	±2.5	PASS
EGPRS850	251	VN	-10	1.26	0.001483	±2.5	PASS
EGPRS850	251	VN	0	0.16	0.000190	±2.5	PASS
EGPRS850	251	VN	10	-0.42	-0.000494	±2.5	PASS
EGPRS850	251	VN	20	-0.65	-0.000761	±2.5	PASS
EGPRS850	251	VN	30	0.65	0.000761	±2.5	PASS
EGPRS850	251	VN	40	-1.68	-0.001978	±2.5	PASS
EGPRS850	251	VN	50	3.13	0.003690	±2.5	PASS
GSM1900	512	VN	-30	8.59	0.004642	±2.5	PASS
GSM1900	512	VN	-20	9.91	0.005357	±2.5	PASS
GSM1900	512	VN	-10	12.82	0.006928	±2.5	PASS
GSM1900	512	VN	0	1.84	0.000995	±2.5	PASS
GSM1900	512	VN	10	0.19	0.000105	±2.5	PASS
GSM1900	512	VN	20	-1.36	-0.000733	±2.5	PASS
GSM1900	512	VN	30	-2.49	-0.001344	±2.5	PASS
GSM1900	512	VN	40	0.65	0.000349	±2.5	PASS
GSM1900	512	VN	50	1.45	0.000785	±2.5	PASS
GSM1900	661	VN	-30	11.36	0.006045	±2.5	PASS
GSM1900	661	VN	-20	11.24	0.005976	±2.5	PASS
GSM1900	661	VN	-10	6.97	0.003709	±2.5	PASS
GSM1900	661	VN	0	3.55	0.001889	±2.5	PASS
GSM1900	661	VN	10	3.58	0.001906	±2.5	PASS
GSM1900	661	VN	20	2.74	0.001460	±2.5	PASS
GSM1900	661	VN	30	0.45	0.000240	±2.5	PASS
GSM1900	661	VN	40	-1.81	-0.000962	±2.5	PASS
GSM1900	661	VN	50	1.78	0.000945	±2.5	PASS
GSM1900	810	VN	-30	7.04	0.003685	±2.5	PASS
GSM1900	810	VN	-20	7.59	0.003973	±2.5	PASS
GSM1900	810	VN	-10	4.94	0.002587	±2.5	PASS
GSM1900	810	VN	0	9.10	0.004767	±2.5	PASS
GSM1900	810	VN	10	0.06	0.000034	±2.5	PASS
GSM1900	810	VN	20	-0.39	-0.000203	±2.5	PASS
GSM1900	810	VN	30	-4.07	-0.002130	±2.5	PASS
GSM1900	810	VN	40	1.90	0.000997	±2.5	PASS
GSM1900	810	VN	50	1.45	0.000761	±2.5	PASS
EGPRS1900	512	VN	-30	2.26	0.001221	±2.5	PASS
EGPRS1900	512	VN	-20	4.46	0.002408	±2.5	PASS
EGPRS1900	512	VN	-10	12.88	0.006963	±2.5	PASS
EGPRS1900	512	VN	0	8.39	0.004537	±2.5	PASS
EGPRS1900	512	VN	10	4.04	0.002181	±2.5	PASS
EGPRS1900	512	VN	20	8.59	0.004642	±2.5	PASS
EGPRS1900	512	VN	30	2.55	0.001379	±2.5	PASS
EGPRS1900	512	VN	40	1.65	0.000890	±2.5	PASS
EGPRS1900	512	VN	50	-3.97	-0.002146	±2.5	PASS

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EGPRS1900	661	VN	-30	3.94	0.002095	±2.5	PASS
EGPRS1900	661	VN	-20	8.04	0.004276	±2.5	PASS
EGPRS1900	661	VN	-10	4.46	0.002370	±2.5	PASS
EGPRS1900	661	VN	0	10.91	0.005805	±2.5	PASS
EGPRS1900	661	VN	10	9.46	0.005032	±2.5	PASS
EGPRS1900	661	VN	20	4.71	0.002507	±2.5	PASS
EGPRS1900	661	VN	30	-2.16	-0.001151	±2.5	PASS
EGPRS1900	661	VN	40	-0.81	-0.000429	±2.5	PASS
EGPRS1900	661	VN	50	5.00	0.002662	±2.5	PASS
EGPRS1900	810	VN	-30	5.36	0.002806	±2.5	PASS
EGPRS1900	810	VN	-20	5.07	0.002654	±2.5	PASS
EGPRS1900	810	VN	-10	5.26	0.002756	±2.5	PASS
EGPRS1900	810	VN	0	8.65	0.004531	±2.5	PASS
EGPRS1900	810	VN	10	4.62	0.002417	±2.5	PASS
EGPRS1900	810	VN	20	4.84	0.002536	±2.5	PASS
EGPRS1900	810	VN	30	2.10	0.001099	±2.5	PASS
EGPRS1900	810	VN	40	3.20	0.001674	±2.5	PASS
EGPRS1900	810	VN	50	4.88	0.002553	±2.5	PASS

The End

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