

# 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	---	32.56	27.21	38.45	PASS
GSM850	190	---	32.57	27.22	38.45	PASS
GSM850	251	---	32.45	27.10	38.45	PASS
EGPRS850 (GMSK)	128	1	32.59	27.24	38.45	PASS
EGPRS850 (GMSK)	128	2	29.44	24.09	38.45	PASS
EGPRS850 (GMSK)	128	3	27.84	22.49	38.45	PASS
EGPRS850 (GMSK)	128	4	27.13	21.78	38.45	PASS
EGPRS850 (GMSK)	190	1	32.61	27.26	38.45	PASS
EGPRS850 (GMSK)	190	2	29.35	24.00	38.45	PASS
EGPRS850 (GMSK)	190	3	27.67	22.32	38.45	PASS
EGPRS850 (GMSK)	190	4	26.92	21.57	38.45	PASS
EGPRS850 (GMSK)	251	1	32.49	27.14	38.45	PASS
EGPRS850 (GMSK)	251	2	29.13	23.78	38.45	PASS
EGPRS850 (GMSK)	251	3	27.43	22.08	38.45	PASS
EGPRS850 (GMSK)	251	4	26.66	21.31	38.45	PASS
EGPRS850 (8PSK)	128	1	26.58	21.23	38.45	PASS
EGPRS850 (8PSK)	128	2	25.48	20.13	38.45	PASS
EGPRS850 (8PSK)	128	3	23.05	17.70	38.45	PASS
EGPRS850 (8PSK)	128	4	21.35	16.00	38.45	PASS
EGPRS850 (8PSK)	190	1	26.35	21.00	38.45	PASS
EGPRS850 (8PSK)	190	2	25.47	20.12	38.45	PASS
EGPRS850 (8PSK)	190	3	22.85	17.50	38.45	PASS
EGPRS850 (8PSK)	190	4	21.14	15.79	38.45	PASS
EGPRS850 (8PSK)	251	1	26.22	20.87	38.45	PASS
EGPRS850 (8PSK)	251	2	25.30	19.95	38.45	PASS
EGPRS850 (8PSK)	251	3	22.66	17.31	38.45	PASS
EGPRS850 (8PSK)	251	4	20.90	15.55	38.45	PASS

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Band	Channel	Slot	Conducted Power (dBm)	EIRP (dBm)	Limit(dBm)	Verdict
GSM1900	512	---	29.75	28.77	33.00	PASS
GSM1900	661	---	29.78	28.80	33.00	PASS
GSM1900	810	---	29.74	28.76	33.00	PASS
EGPRS1900 (GMSK)	512	1	29.58	28.60	33.00	PASS
EGPRS1900 (GMSK)	512	2	27.43	26.45	33.00	PASS
EGPRS1900 (GMSK)	512	3	25.79	24.81	33.00	PASS
EGPRS1900 (GMSK)	512	4	24.17	23.19	33.00	PASS
EGPRS1900 (GMSK)	661	1	29.61	28.63	33.00	PASS
EGPRS1900 (GMSK)	661	2	27.52	26.54	33.00	PASS
EGPRS1900 (GMSK)	661	3	25.85	24.87	33.00	PASS
EGPRS1900 (GMSK)	661	4	24.24	23.26	33.00	PASS
EGPRS1900 (GMSK)	810	1	29.55	28.57	33.00	PASS
EGPRS1900 (GMSK)	810	2	27.49	26.51	33.00	PASS
EGPRS1900 (GMSK)	810	3	25.85	24.87	33.00	PASS
EGPRS1900 (GMSK)	810	4	24.28	23.30	33.00	PASS
EGPRS1900 (8PSK)	512	1	25.94	24.96	33.00	PASS
EGPRS1900 (8PSK)	512	2	24.01	23.03	33.00	PASS
EGPRS1900 (8PSK)	512	3	22.06	21.08	33.00	PASS
EGPRS1900 (8PSK)	512	4	19.63	18.65	33.00	PASS
EGPRS1900 (8PSK)	661	1	25.89	24.91	33.00	PASS
EGPRS1900 (8PSK)	661	2	24.05	23.07	33.00	PASS
EGPRS1900 (8PSK)	661	3	22.19	21.21	33.00	PASS
EGPRS1900 (8PSK)	661	4	19.62	18.64	33.00	PASS
EGPRS1900 (8PSK)	810	1	25.91	24.93	33.00	PASS
EGPRS1900 (8PSK)	810	2	24.08	23.10	33.00	PASS
EGPRS1900 (8PSK)	810	3	22.14	21.16	33.00	PASS
EGPRS1900 (8PSK)	810	4	19.63	18.65	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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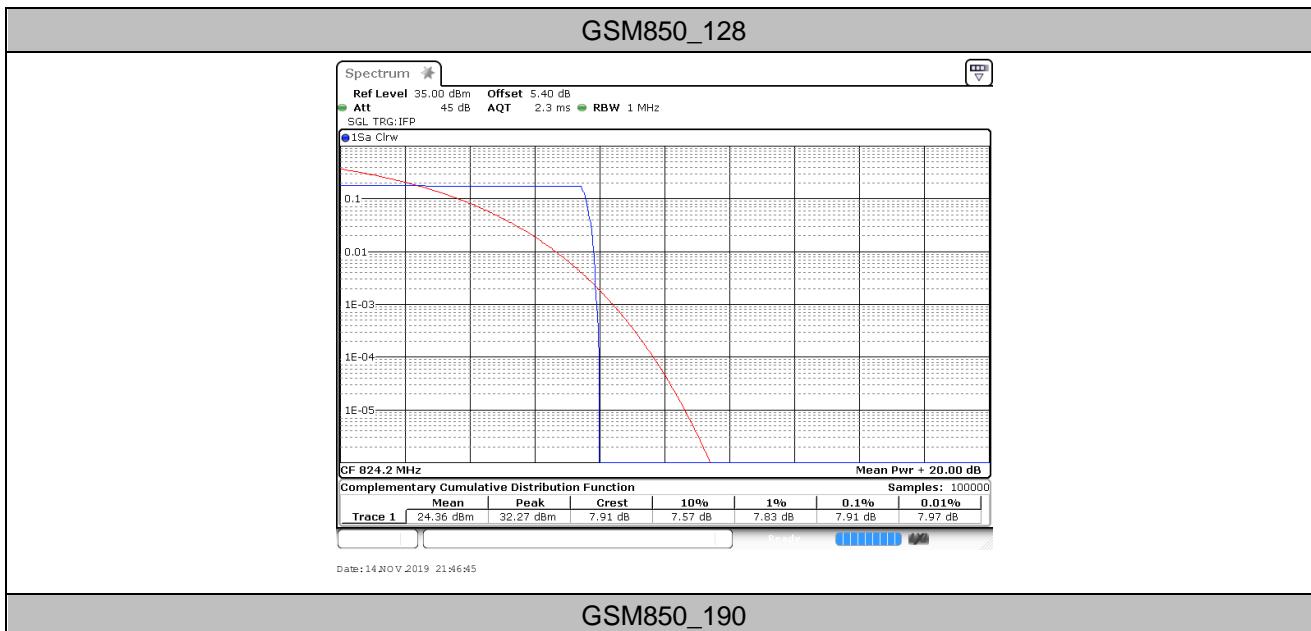
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## 2. Peak-to-Average Ratio

### 2.1. Test Result

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
GSM850	128	7.91	13	PASS
GSM850	190	7.91	13	PASS
GSM850	251	7.88	13	PASS
EGPRS850	128	10.29	13	PASS
EGPRS850	190	10.41	13	PASS
EGPRS850	251	10.61	13	PASS
GSM1900	512	7.77	13	PASS
GSM1900	661	7.74	13	PASS
GSM1900	810	7.74	13	PASS
EGPRS1900	512	10.64	13	PASS
EGPRS1900	661	10.09	13	PASS
EGPRS1900	810	10.09	13	PASS

### 2.2. Part II - Test Plots

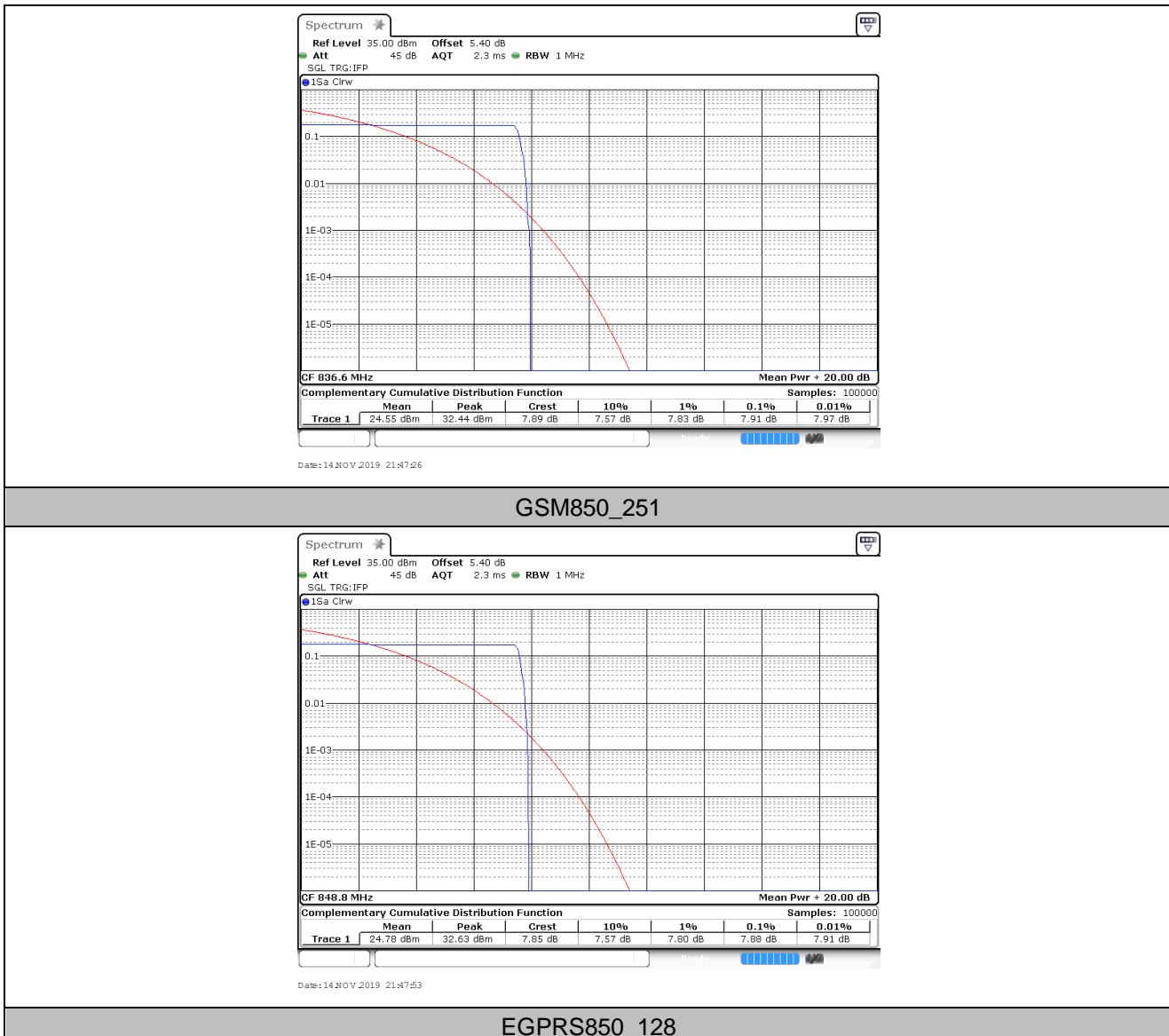


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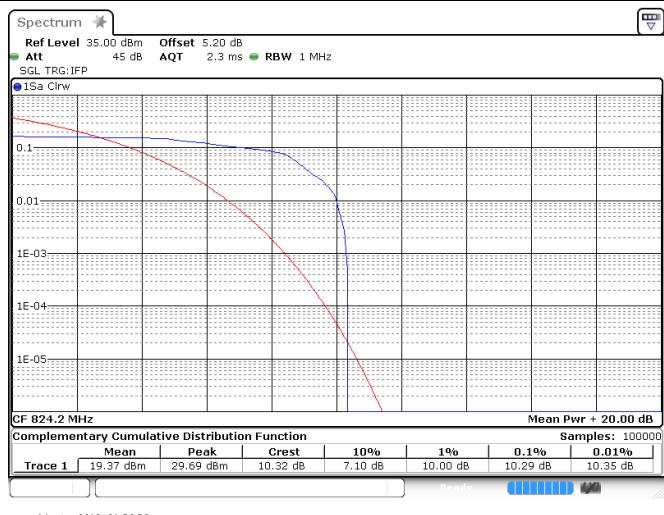
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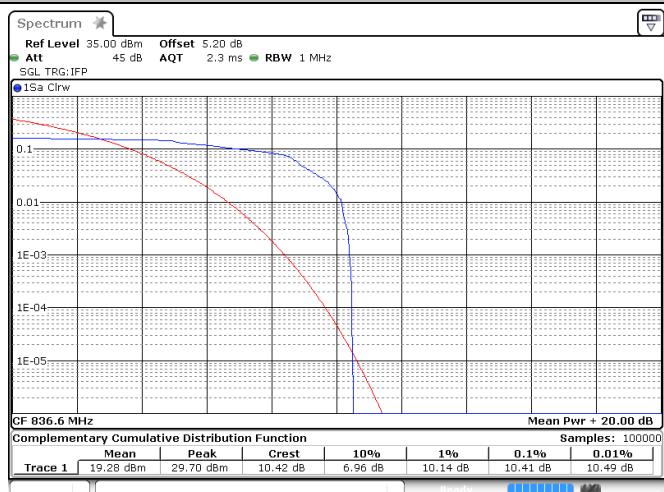
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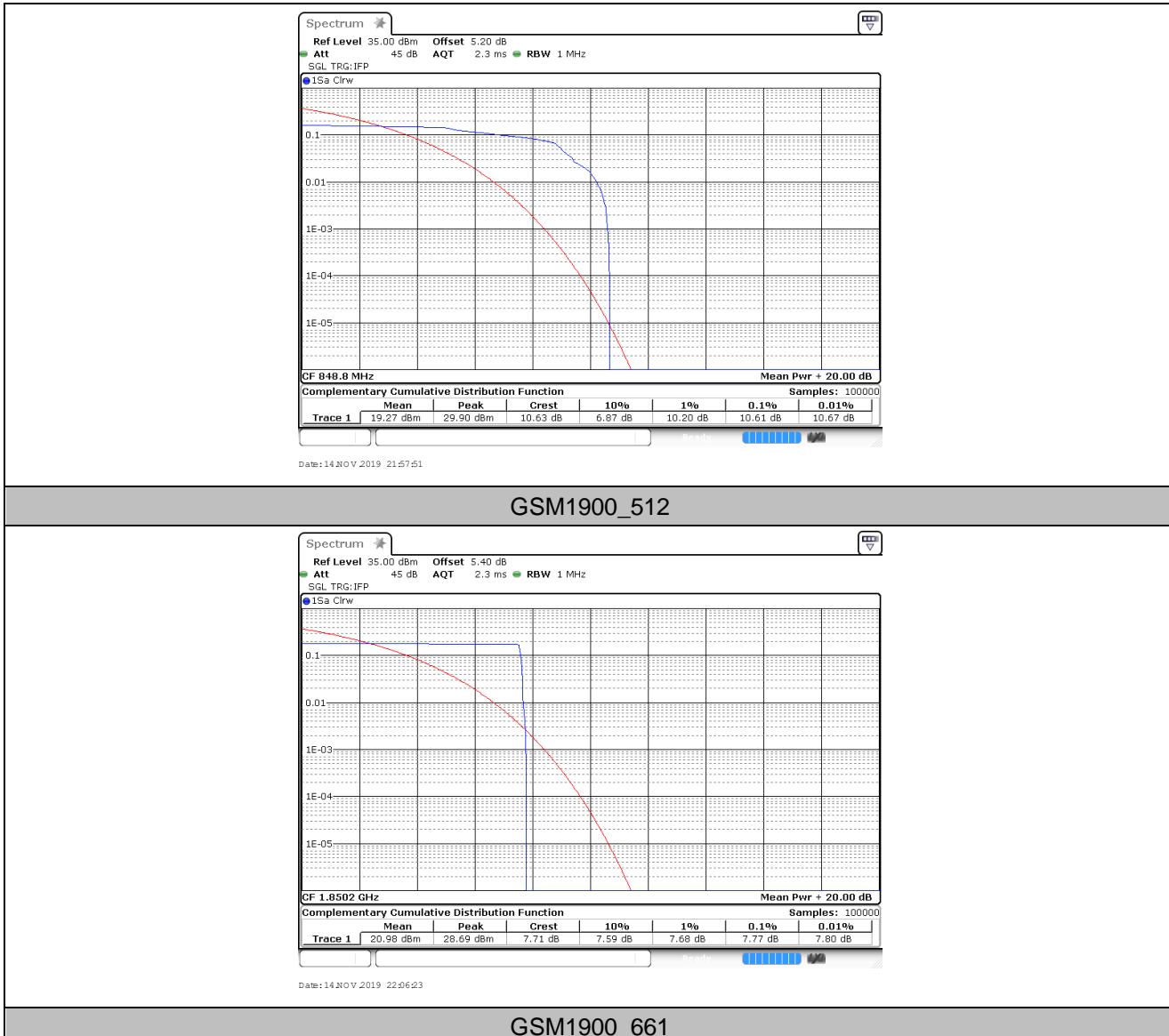
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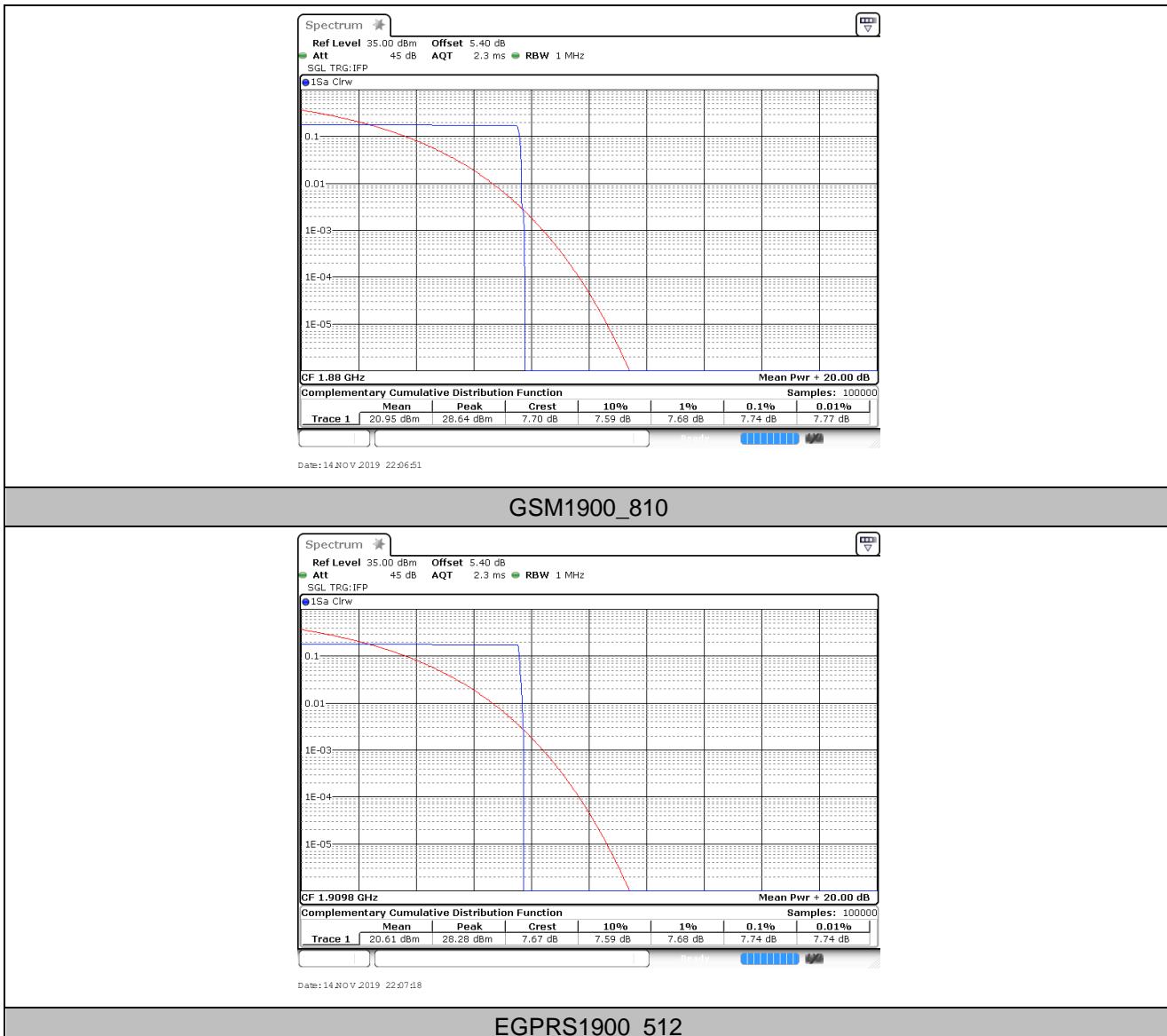


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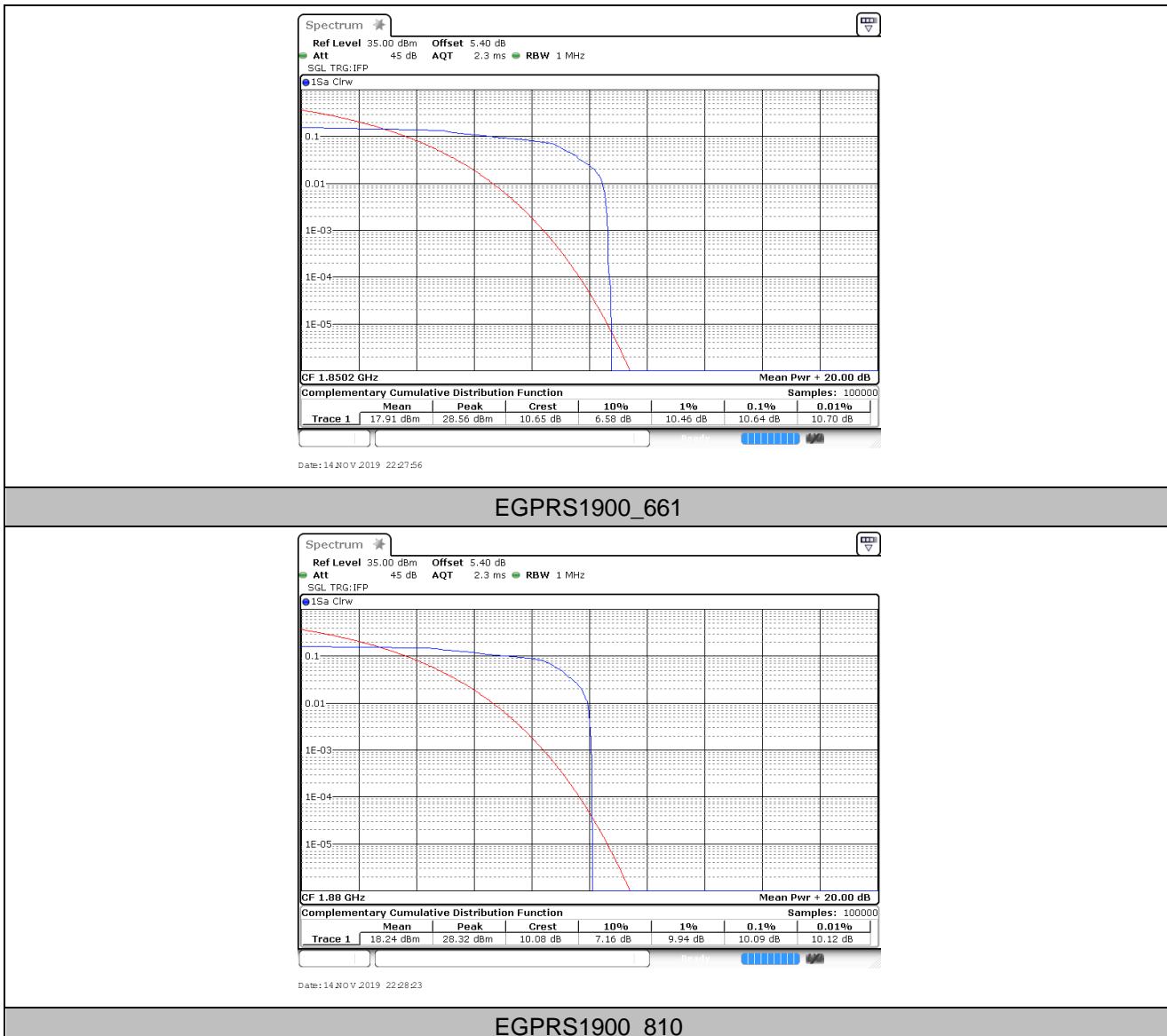


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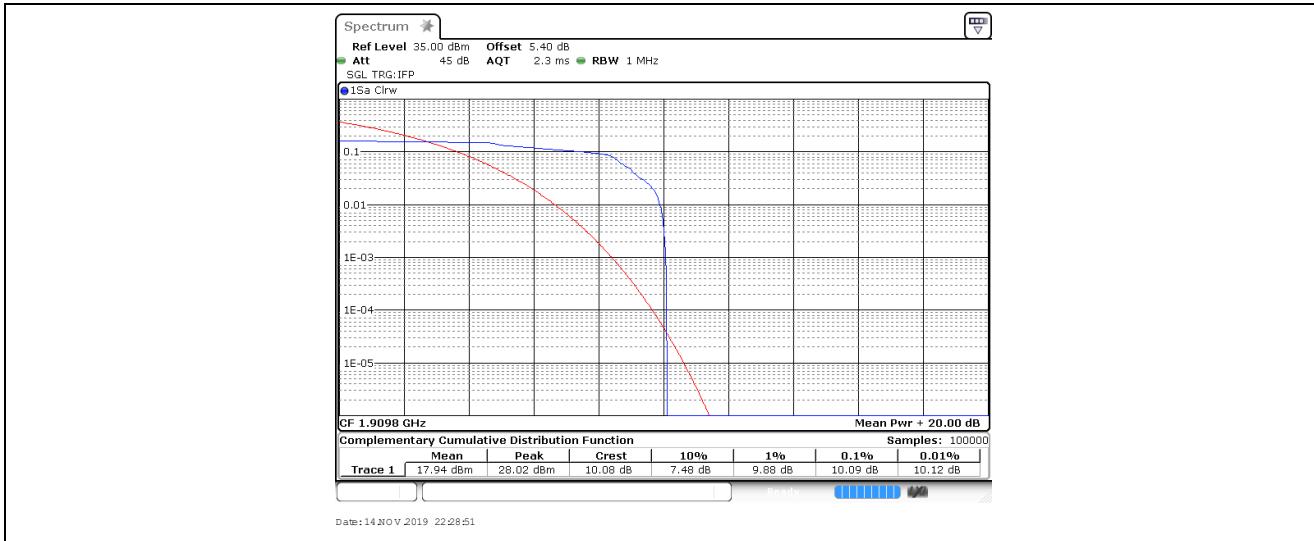


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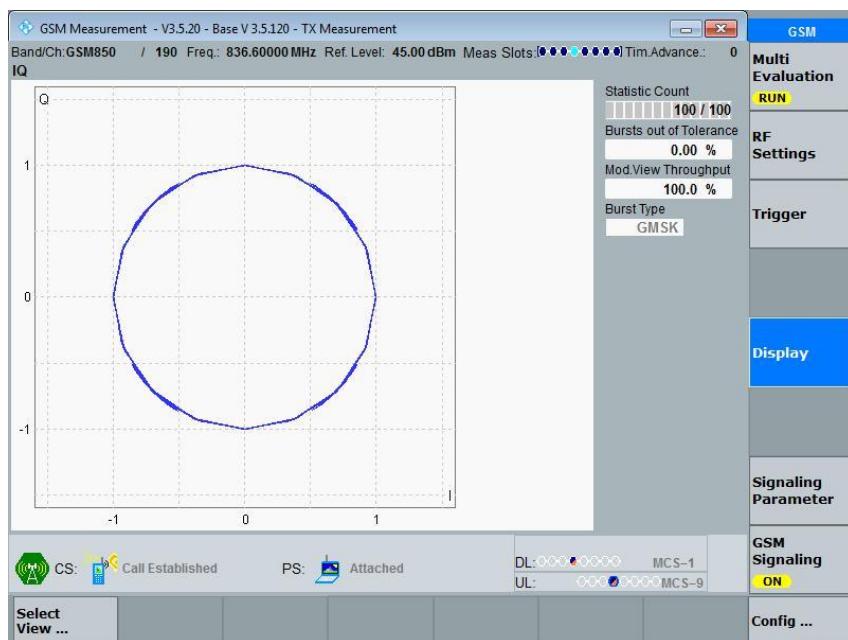
### 3. Modulation Characteristics

#### 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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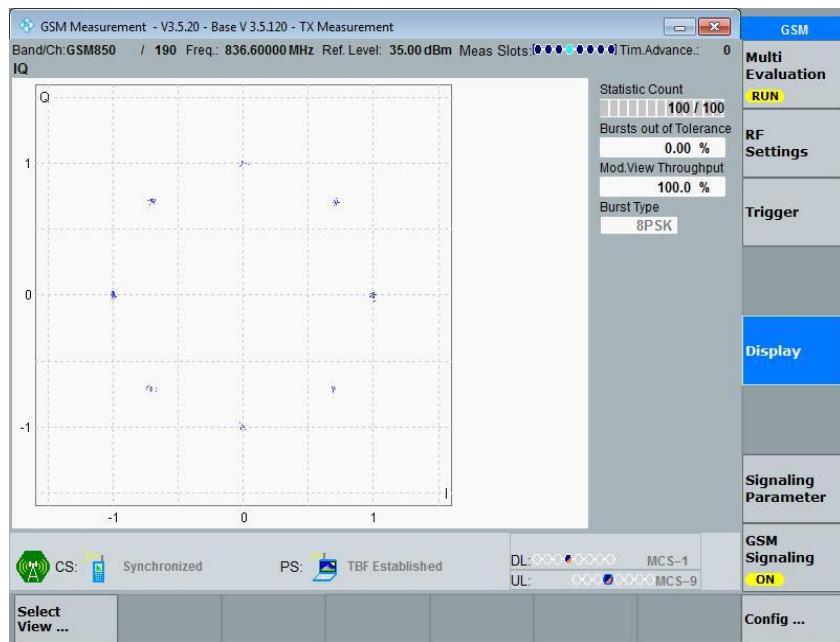
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### 3.1.1.2. Test Mode = GSM/TM2

### 3.1.1.2.1. Test Channel = MCH



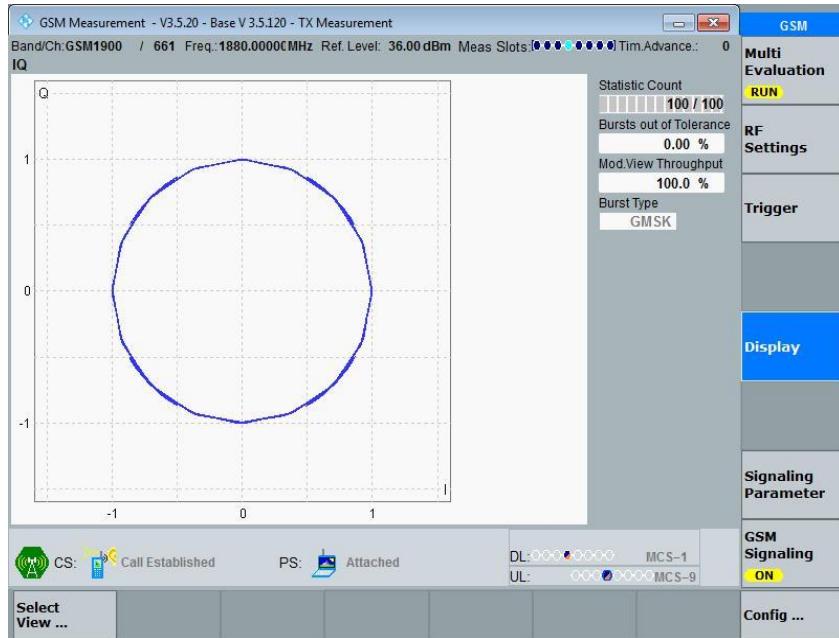
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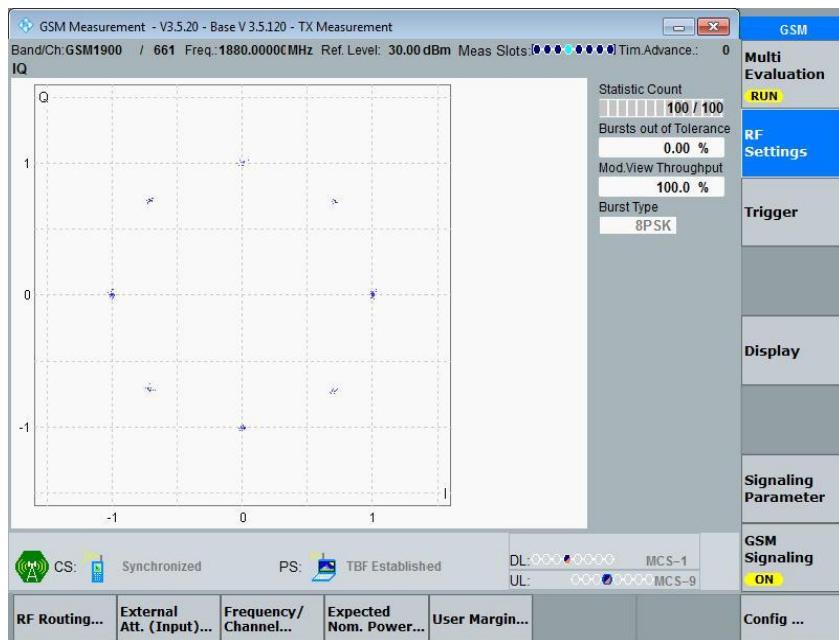
**3.1.2. Test Band = GSM 1900****3.1.2.1. Test Mode = GSM/TM1****3.1.2.1.1. Test Channel = MCH**

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**3.1.2.2. Test Mode = GSM/TM2****3.1.2.2.1. Test Channel = MCH**

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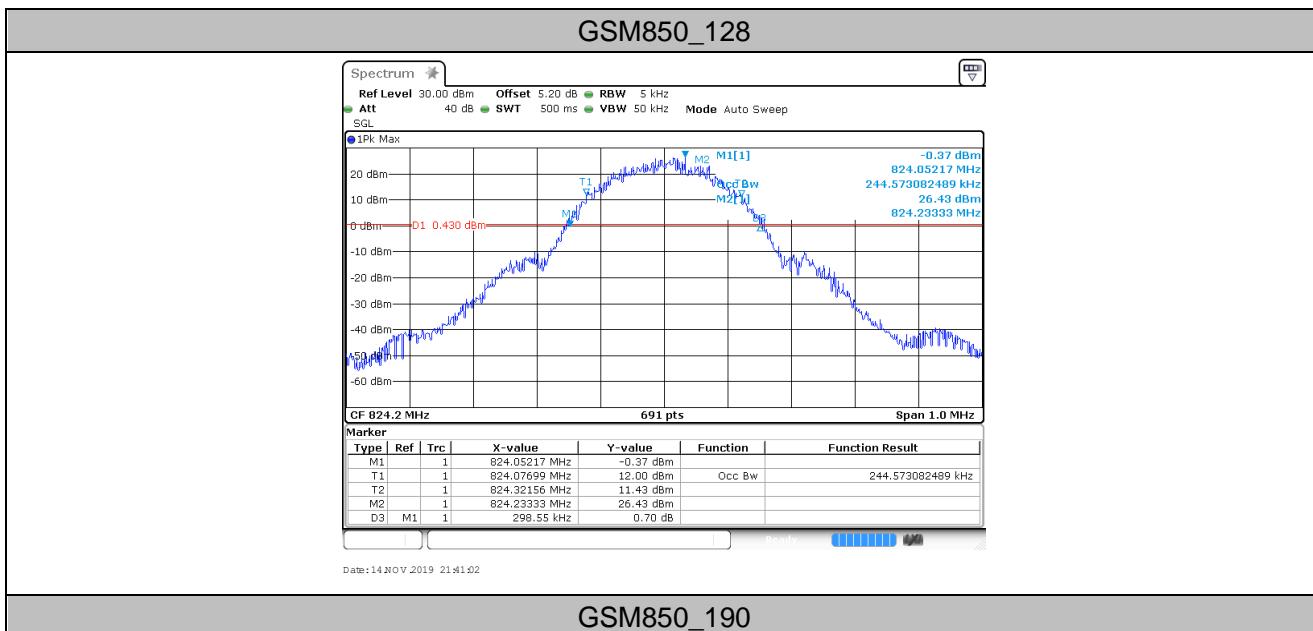
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## 4. 26dB Bandwidth and Occupied Bandwidth

### 4.1. Test Result

Band	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
GSM850	128	244.57	298.55	---	PASS
GSM850	190	247.47	313.04	---	PASS
GSM850	251	247.47	304.35	---	PASS
EGPRS850	128	250.36	304.35	---	PASS
EGPRS850	190	247.47	298.55	---	PASS
EGPRS850	251	246.02	291.30	---	PASS
GSM1900	512	243.13	307.25	---	PASS
GSM1900	661	246.02	302.90	---	PASS
GSM1900	810	244.57	302.90	---	PASS
EGPRS1900	512	244.57	301.45	---	PASS
EGPRS1900	661	243.13	295.65	---	PASS
EGPRS1900	810	247.47	307.25	---	PASS

### 4.2. Test Plots

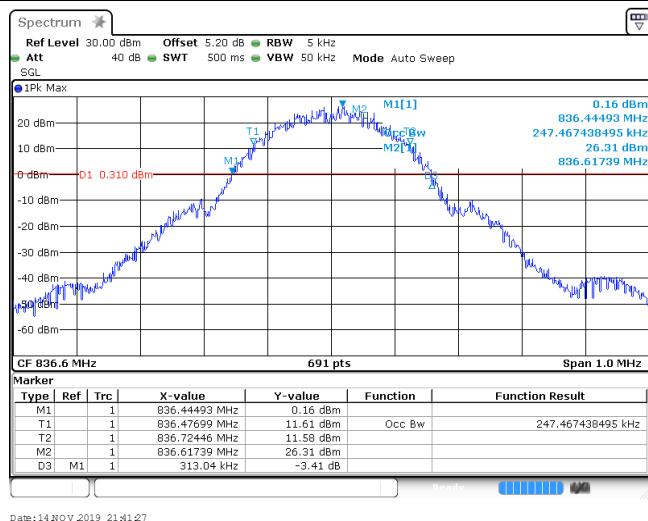


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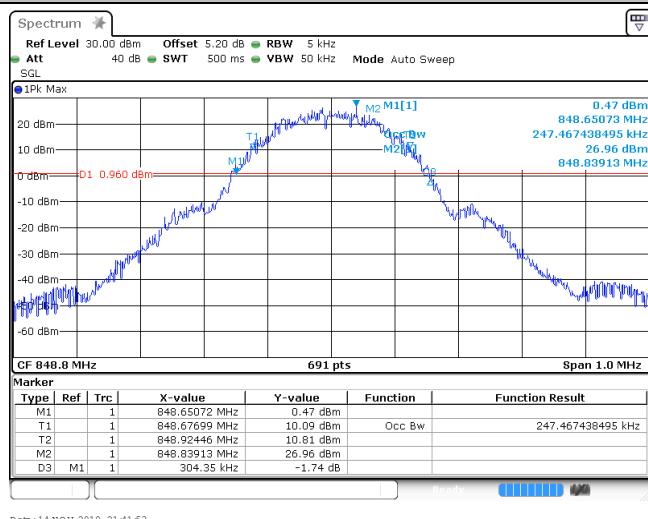
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GSM850 251



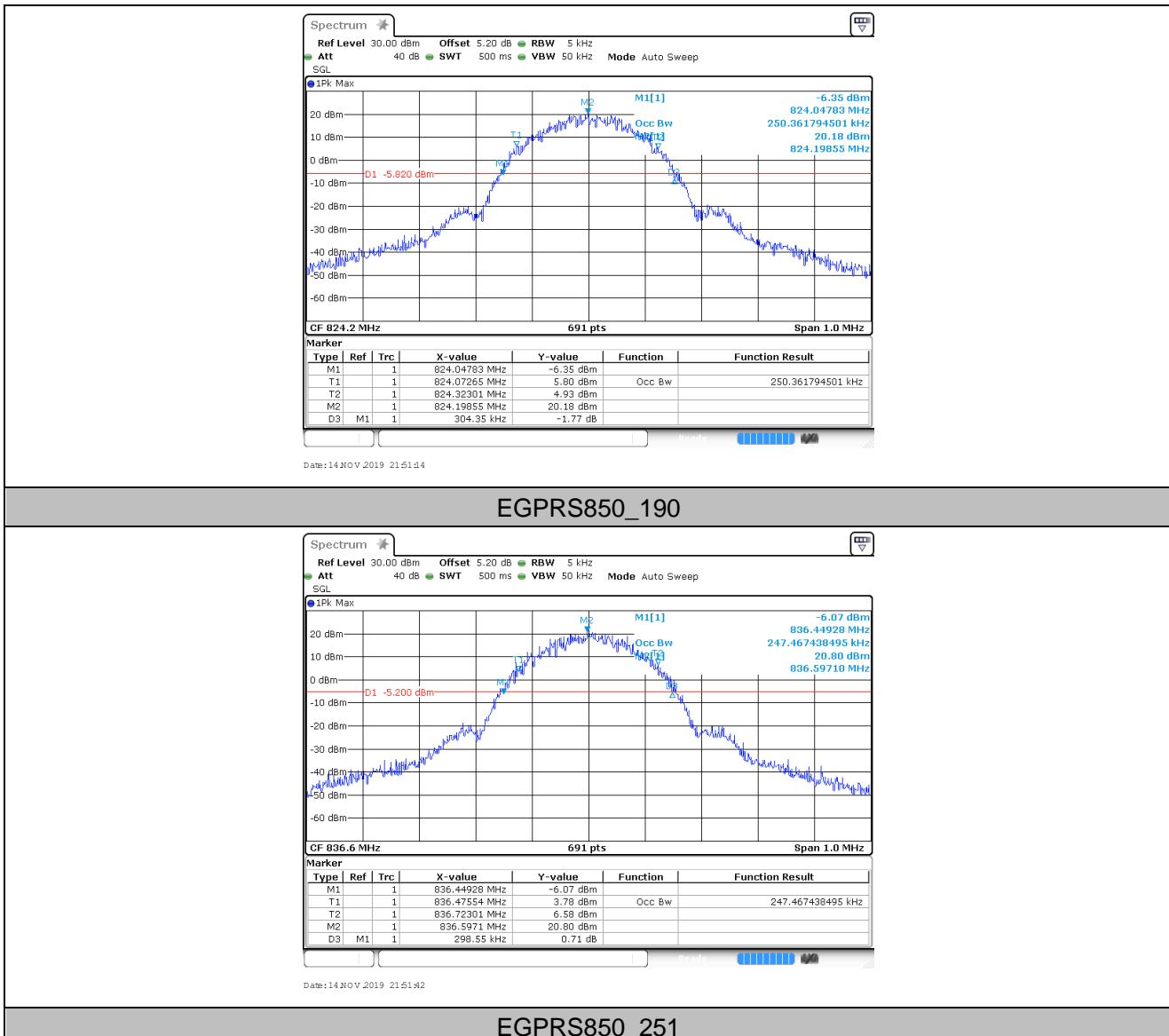
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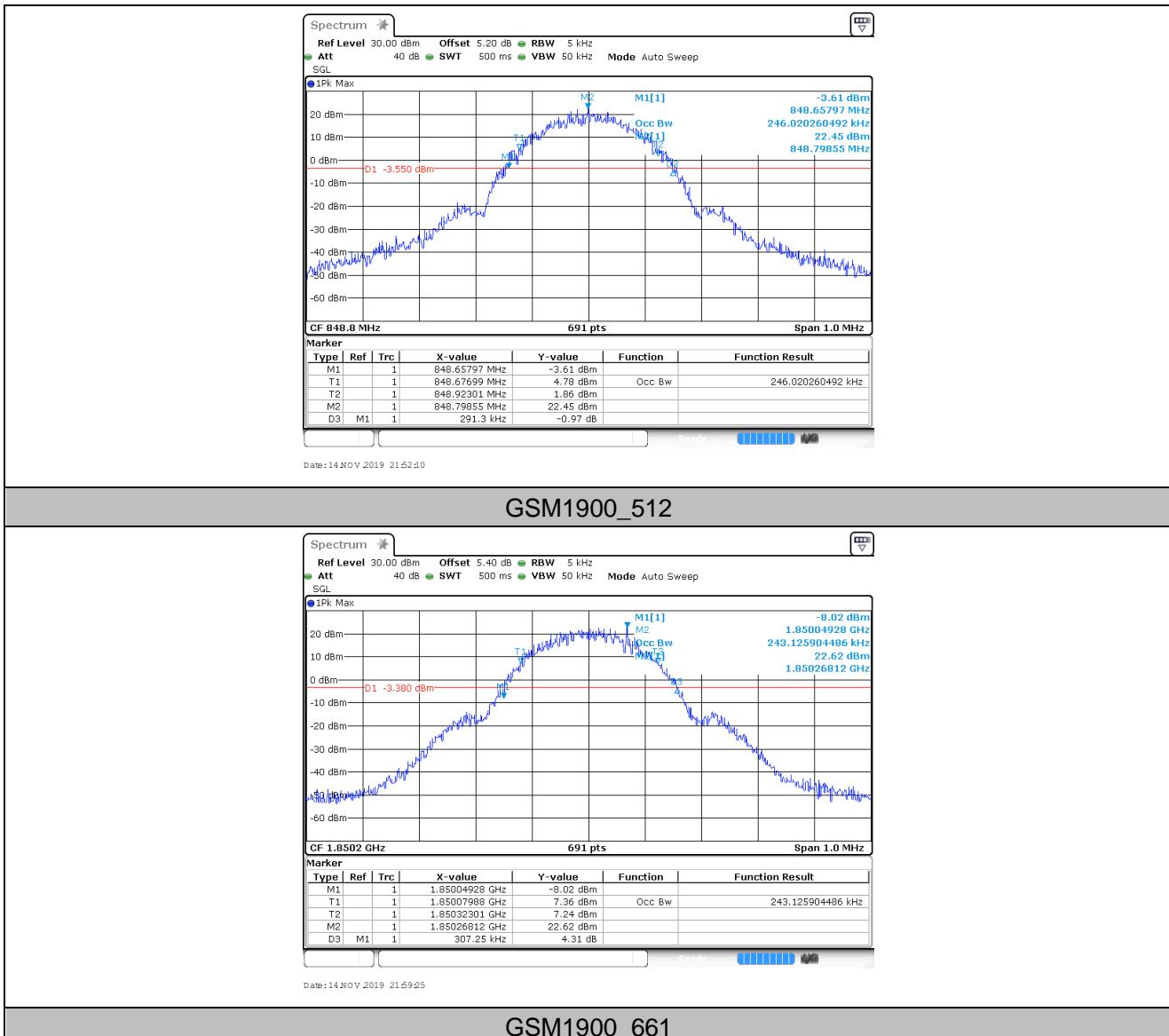


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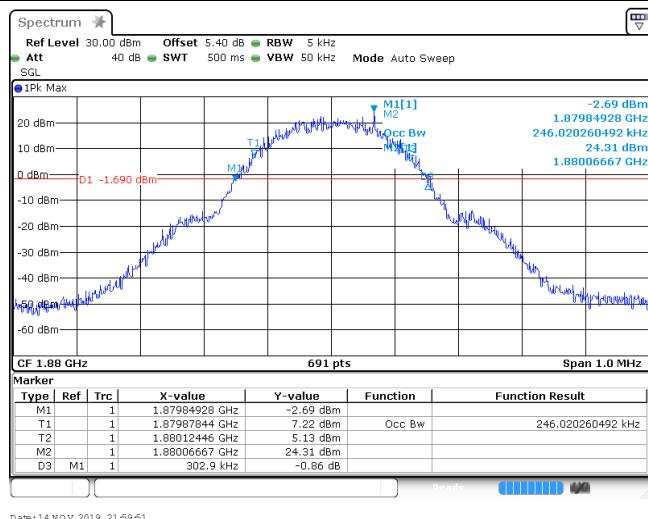


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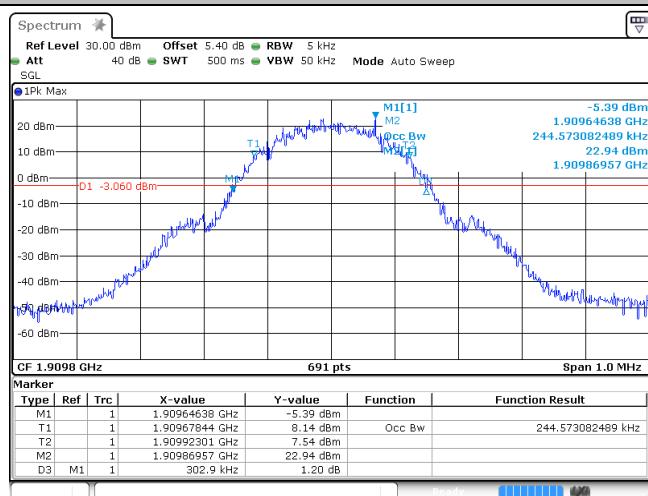
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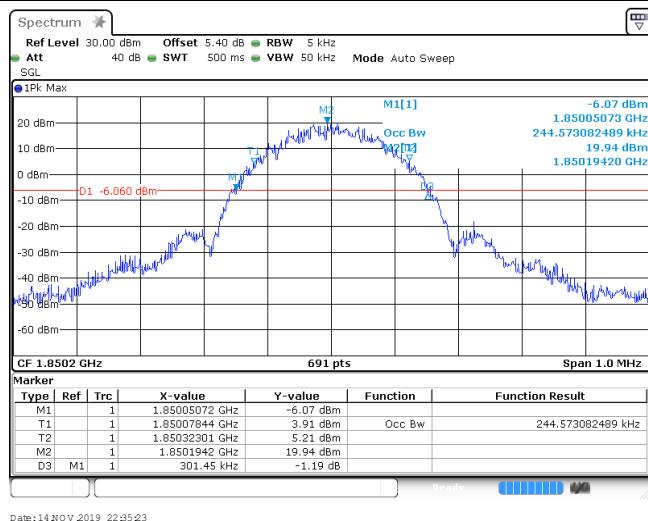
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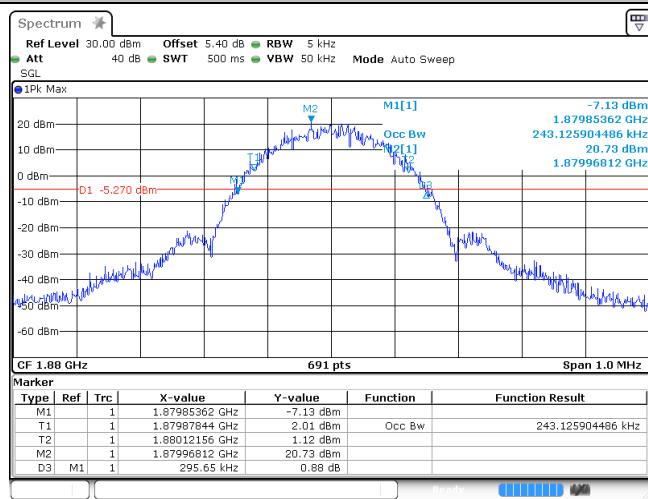
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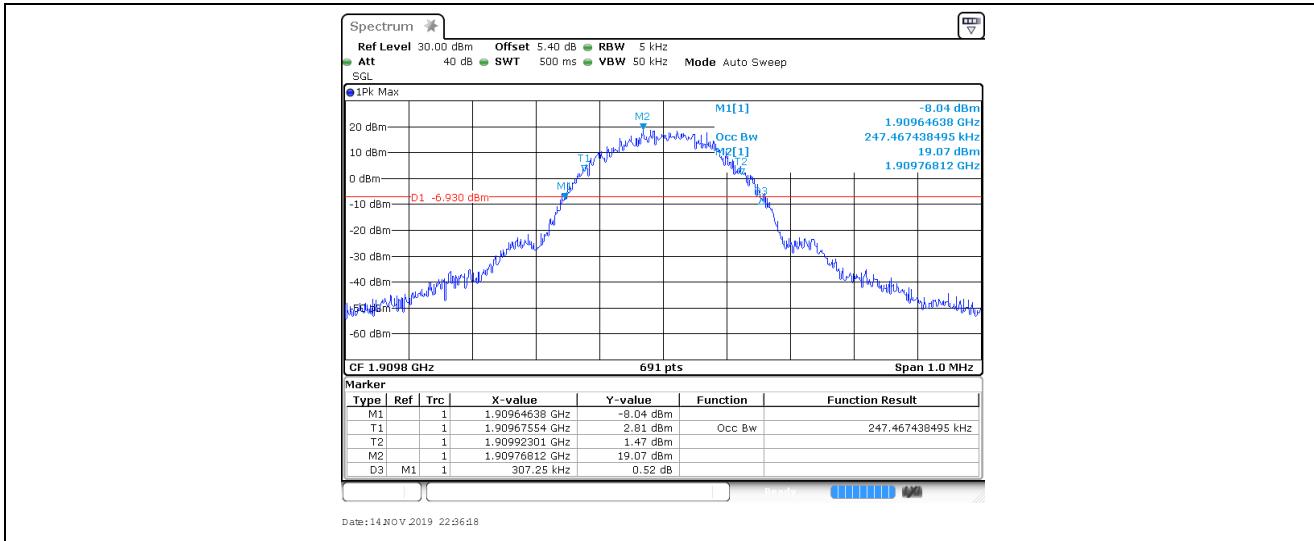
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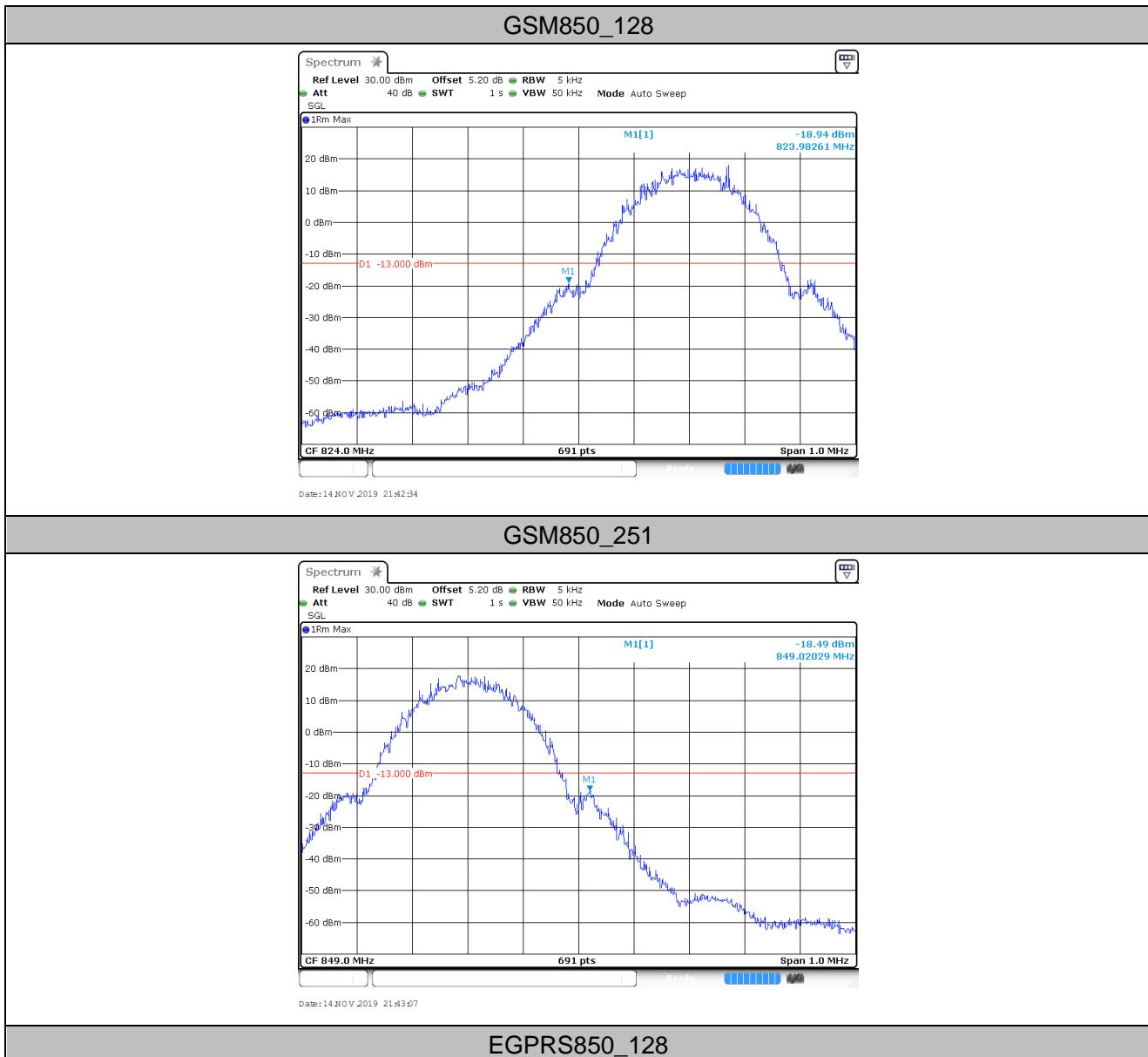
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## 5. Band Edge Compliance

### 5.1. Test Plots

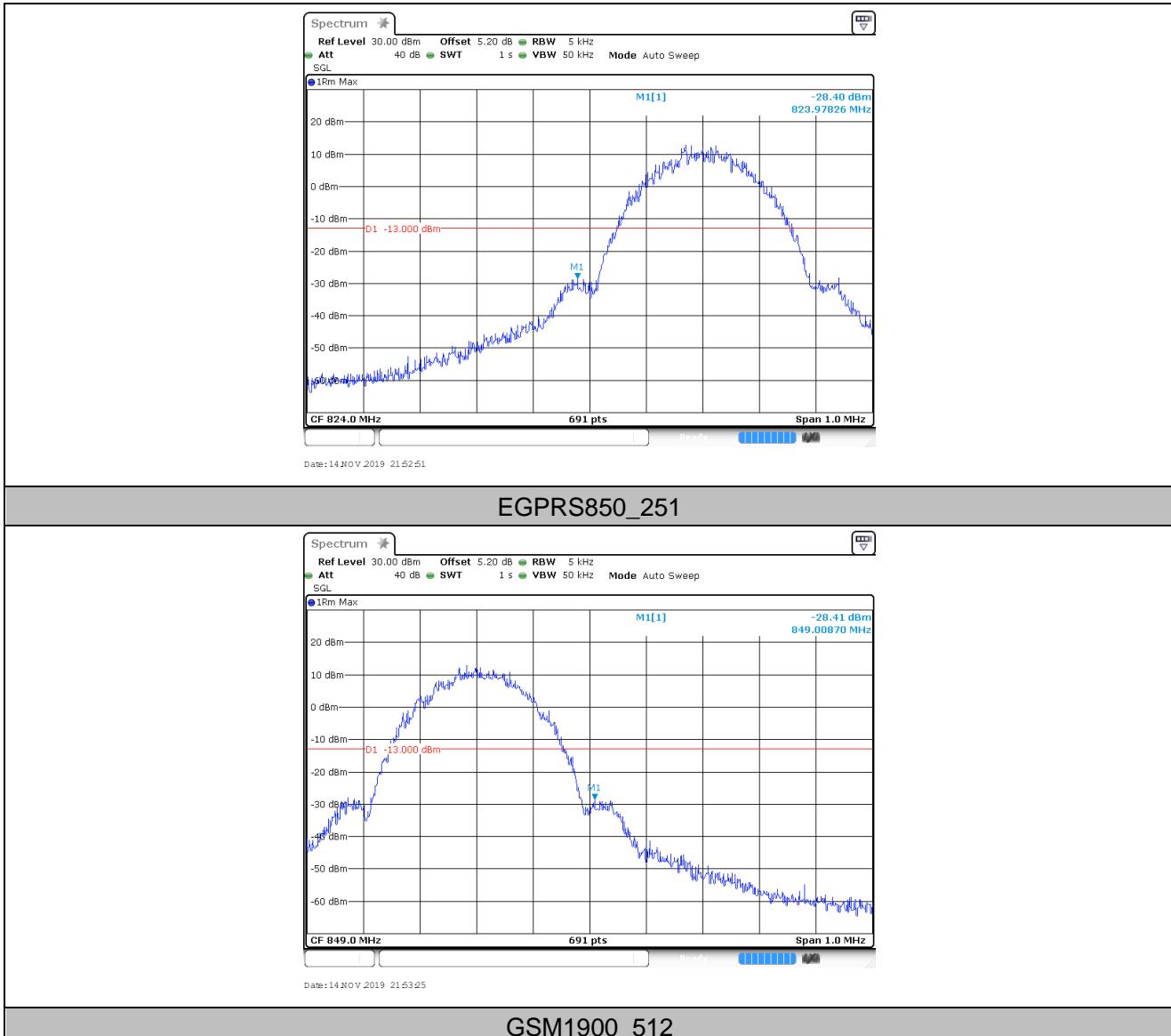


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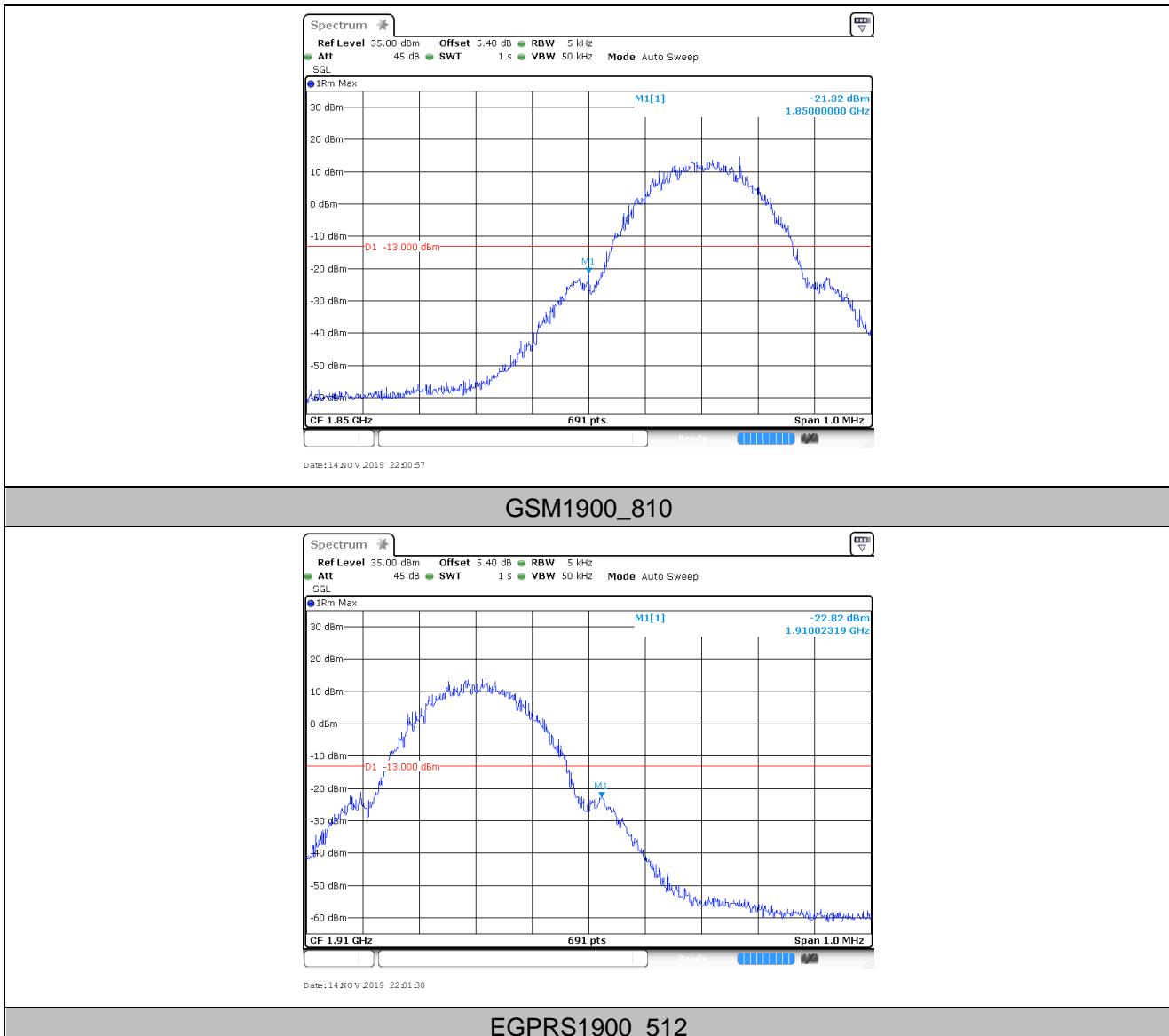


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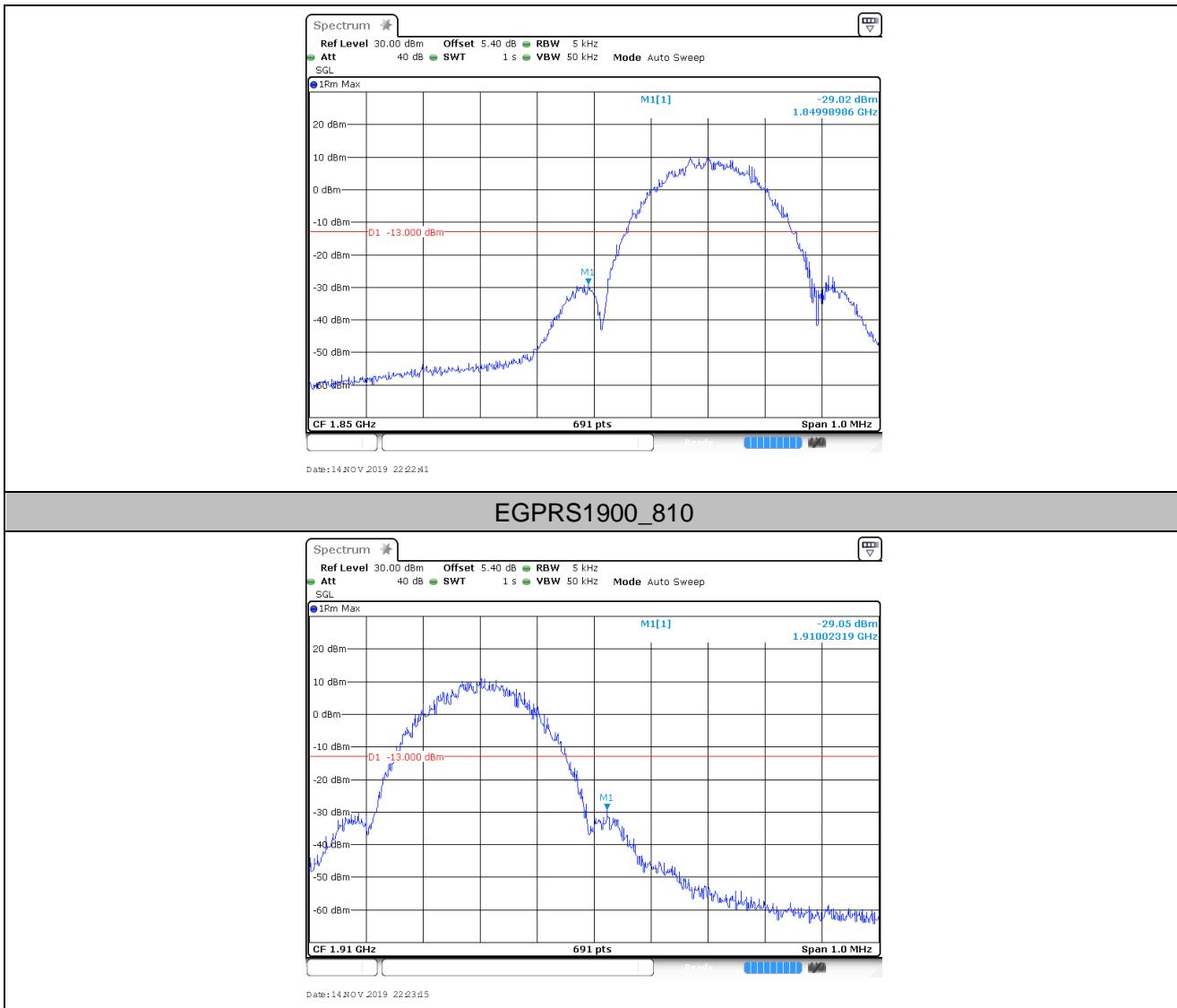


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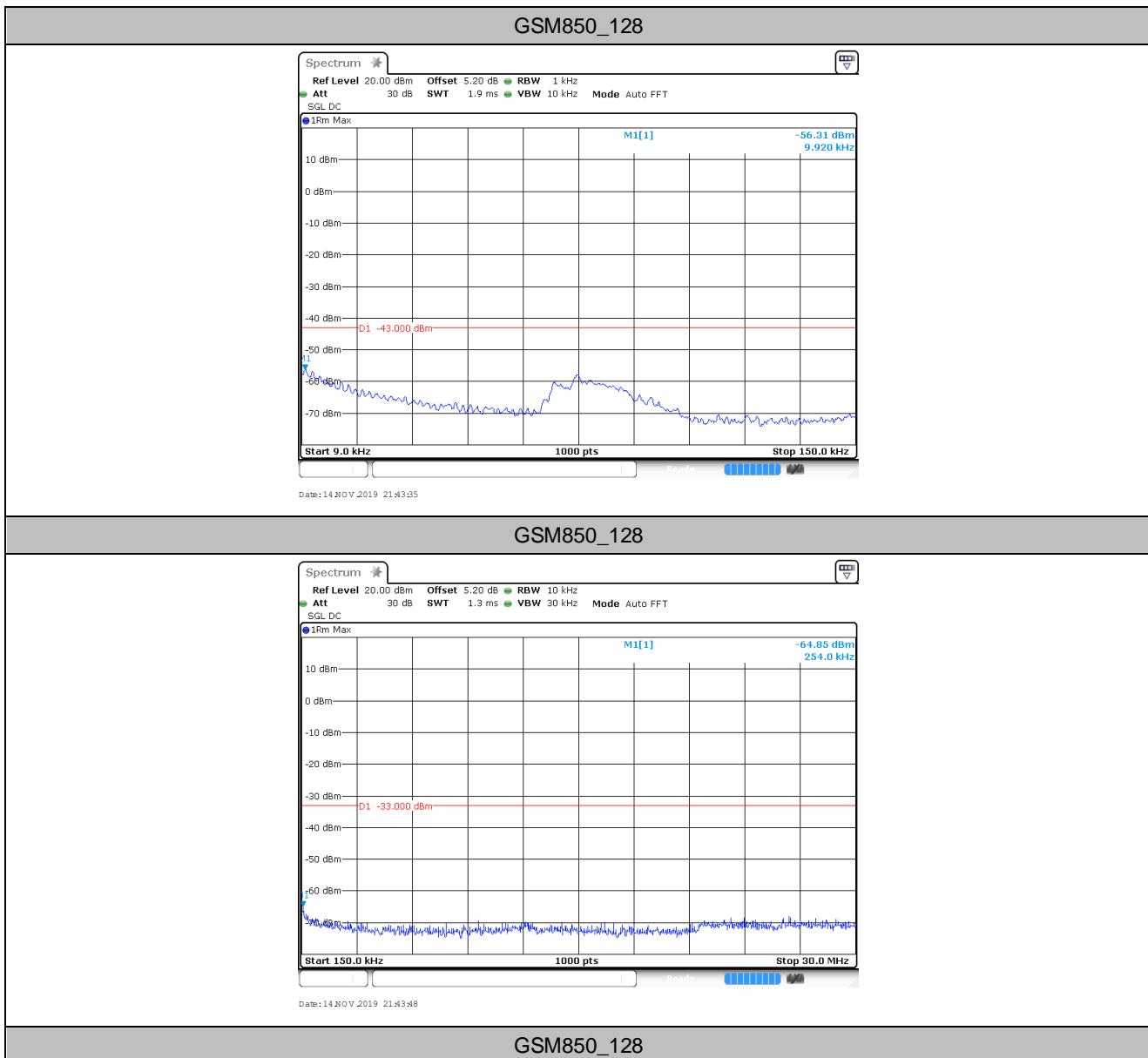
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## 6. Spurious Emission at Antenna Terminal

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



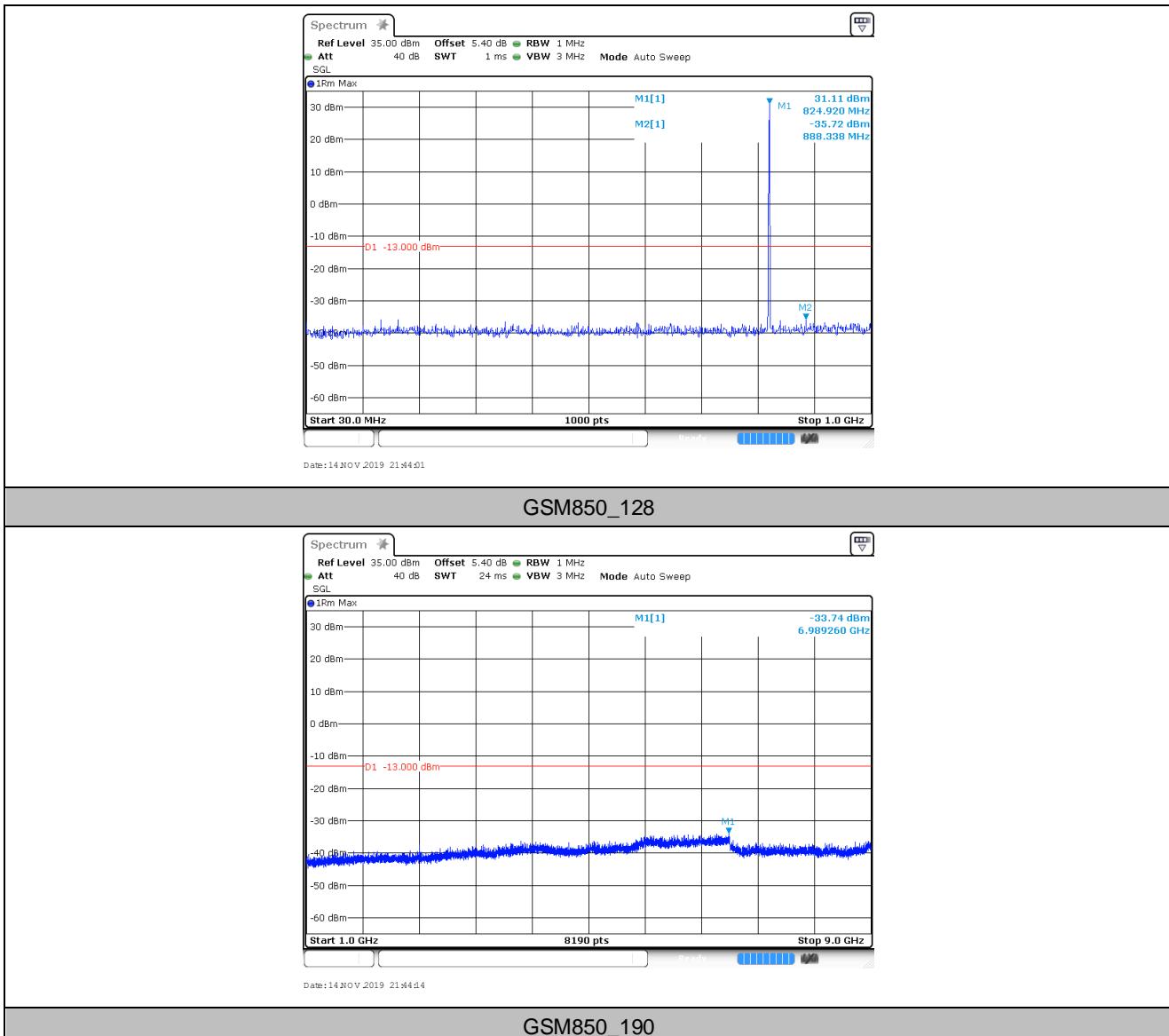
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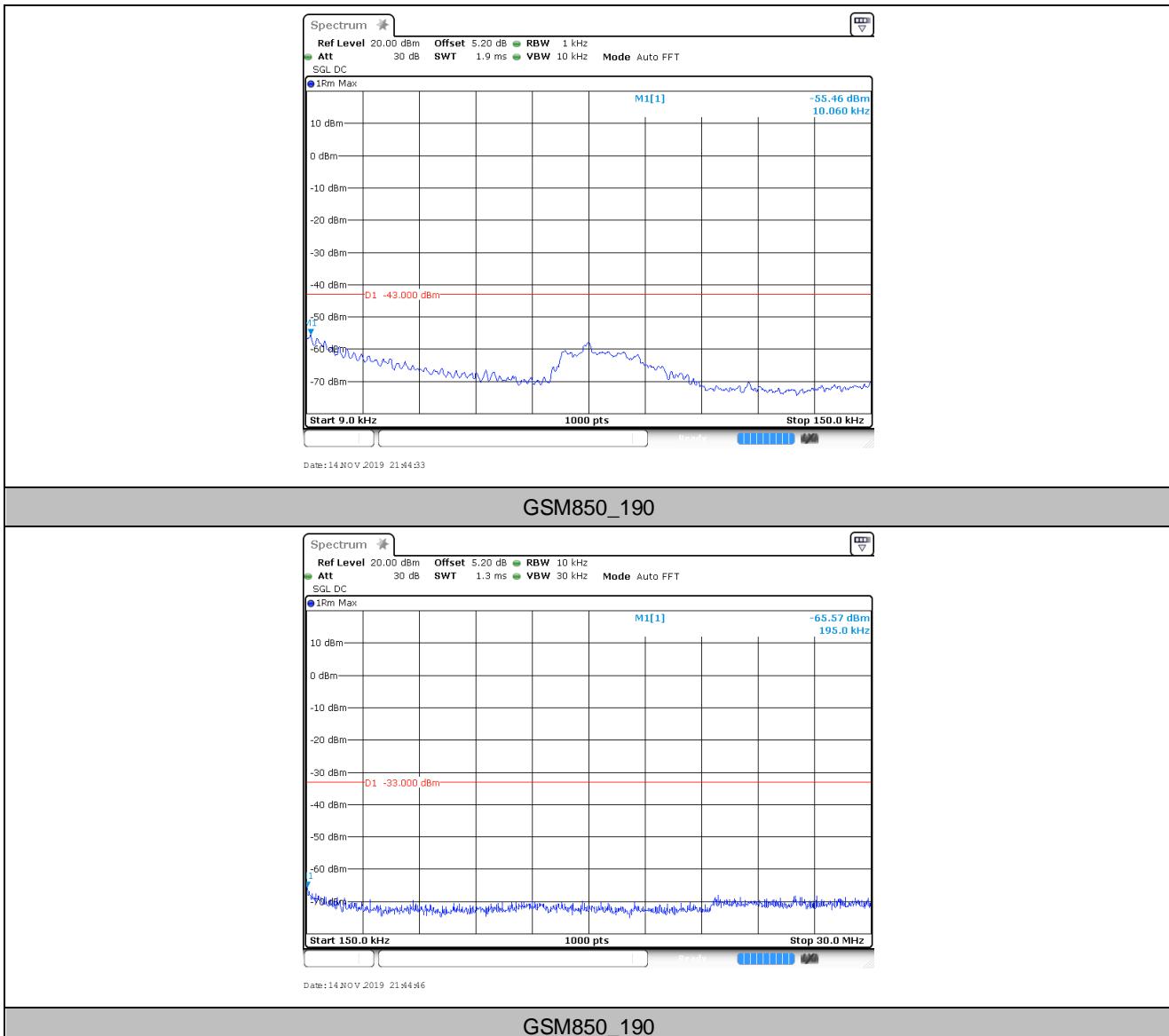


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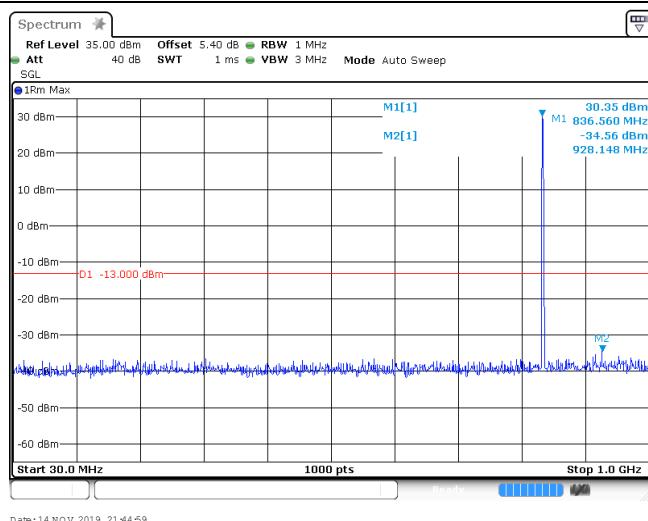
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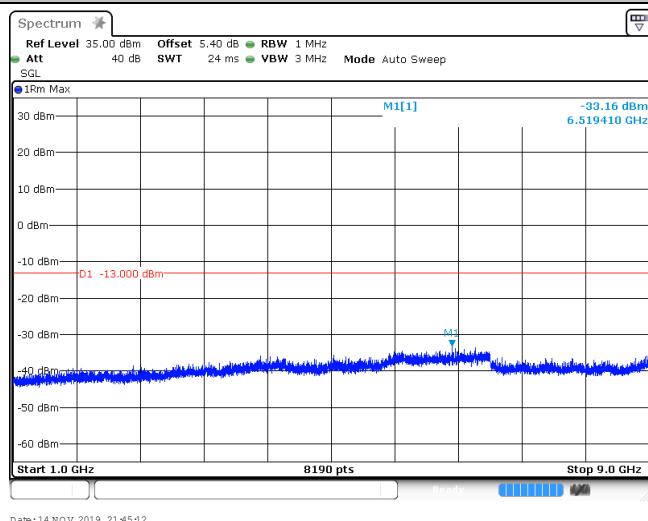


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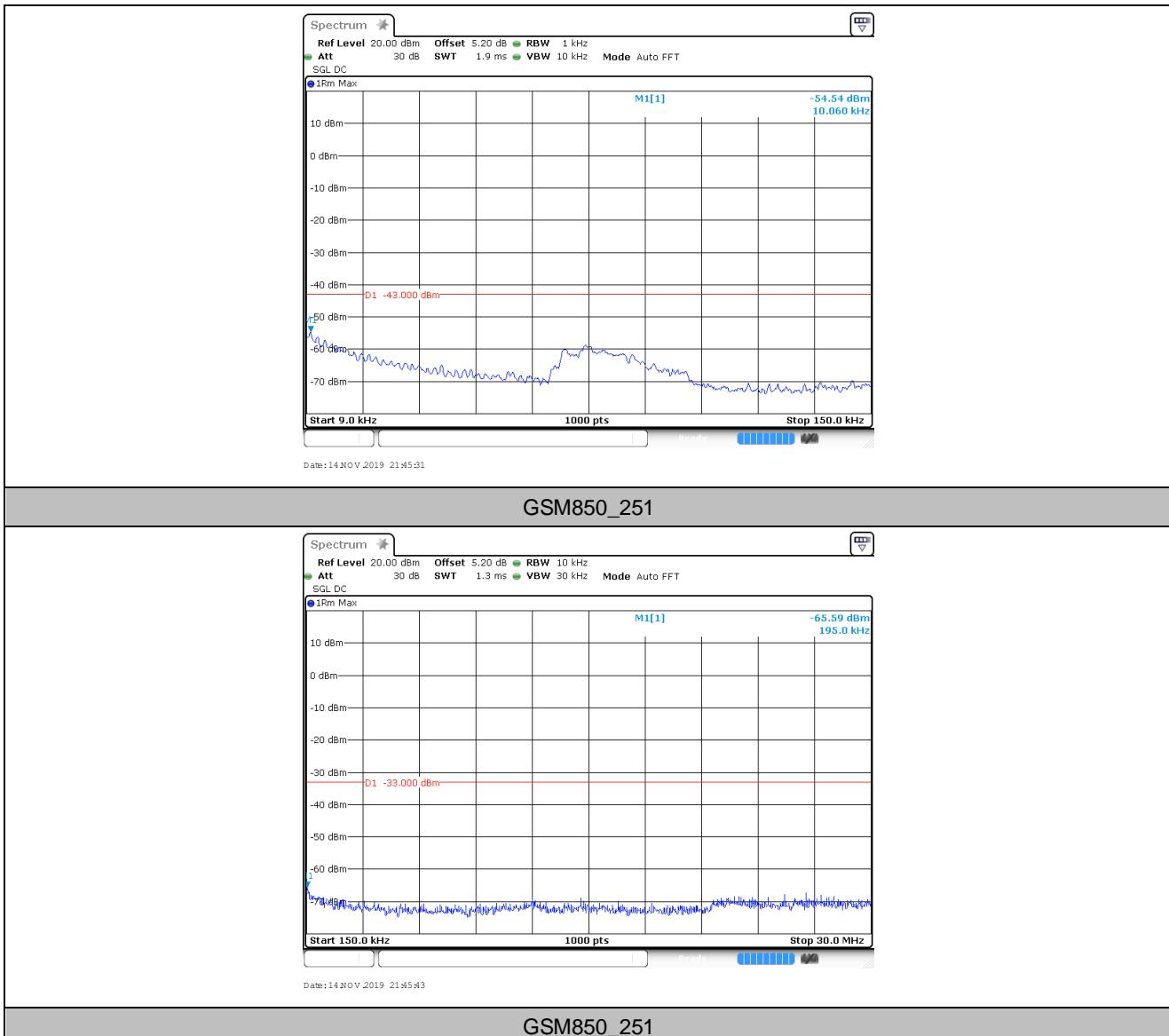


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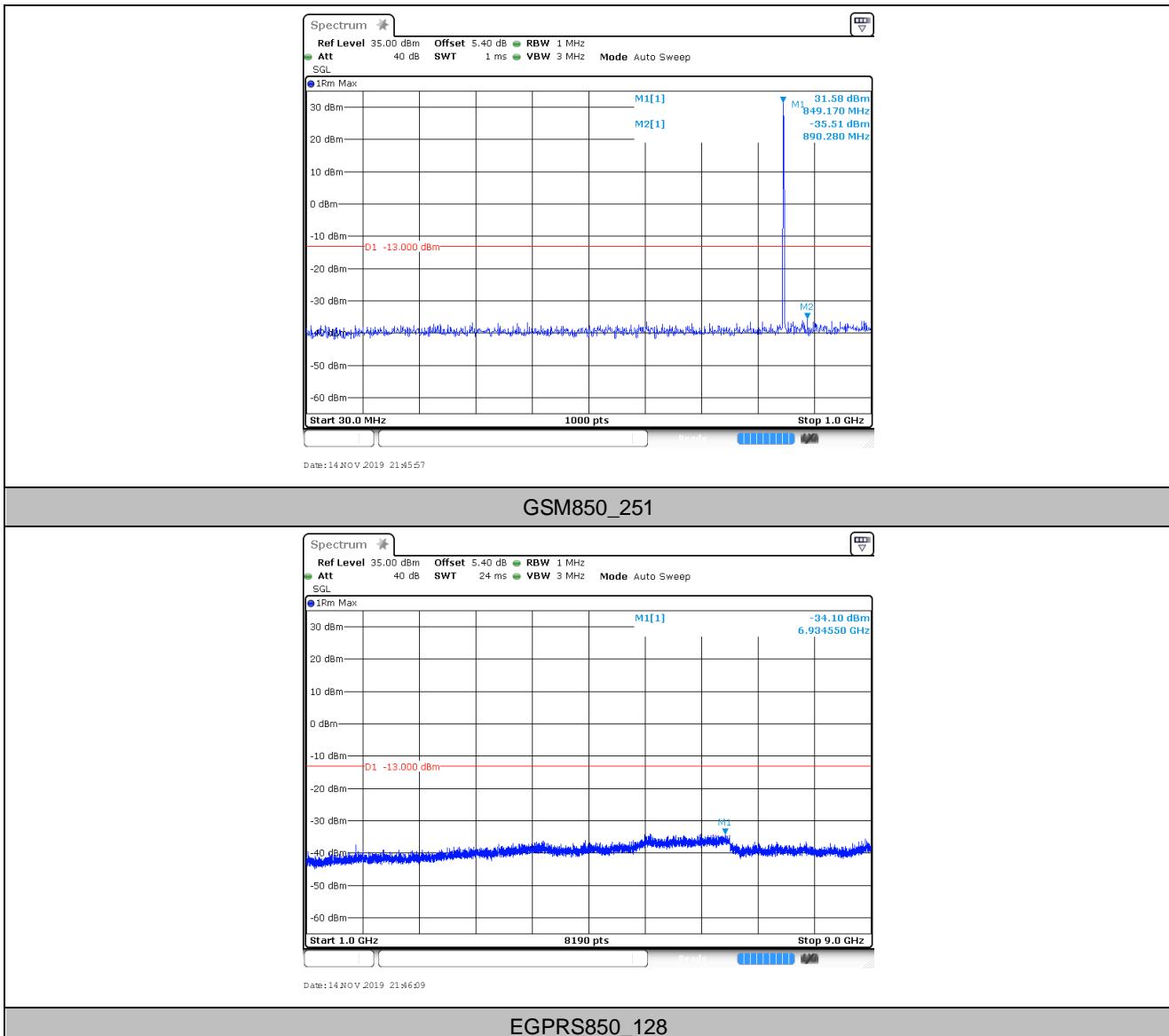
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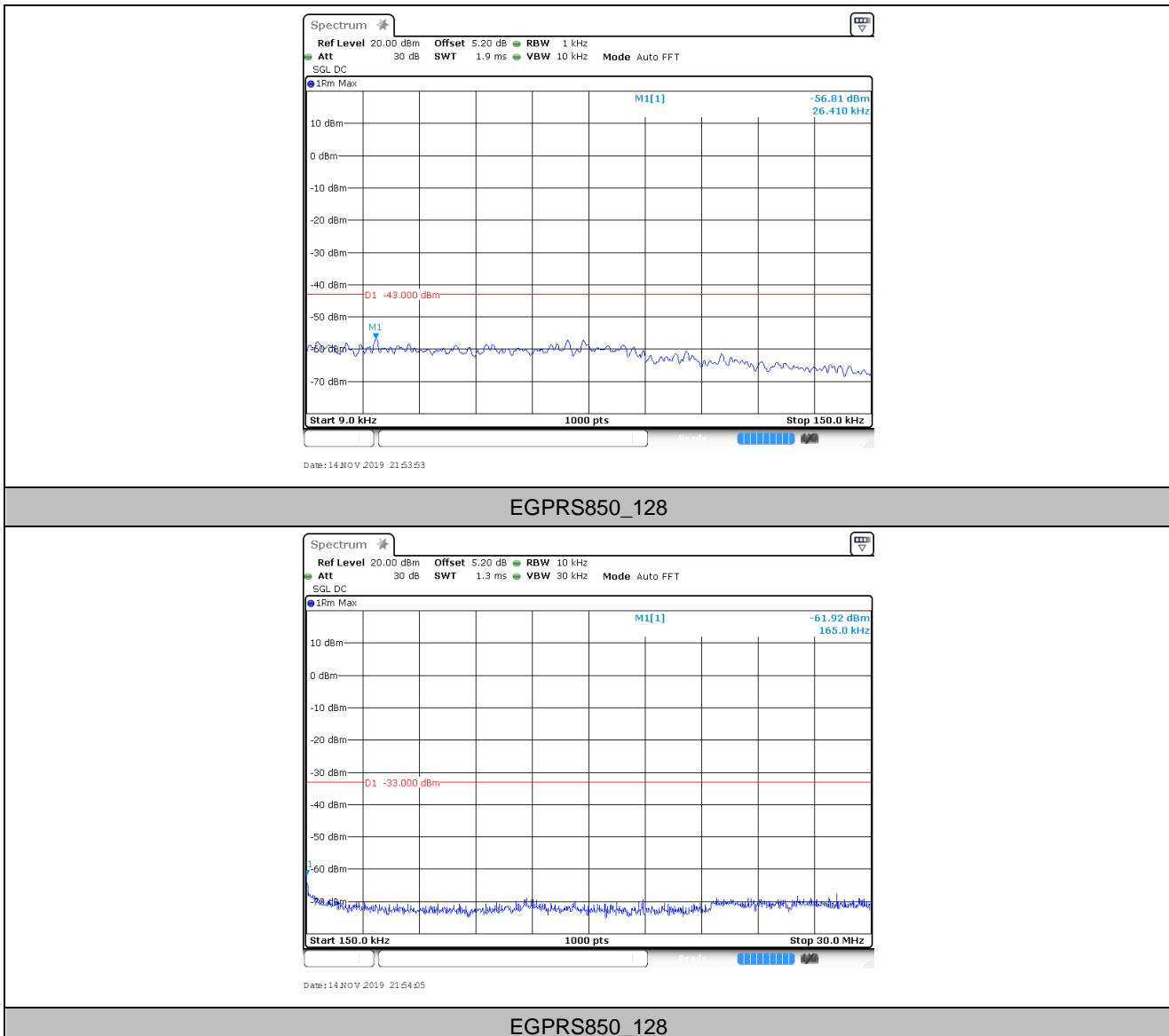


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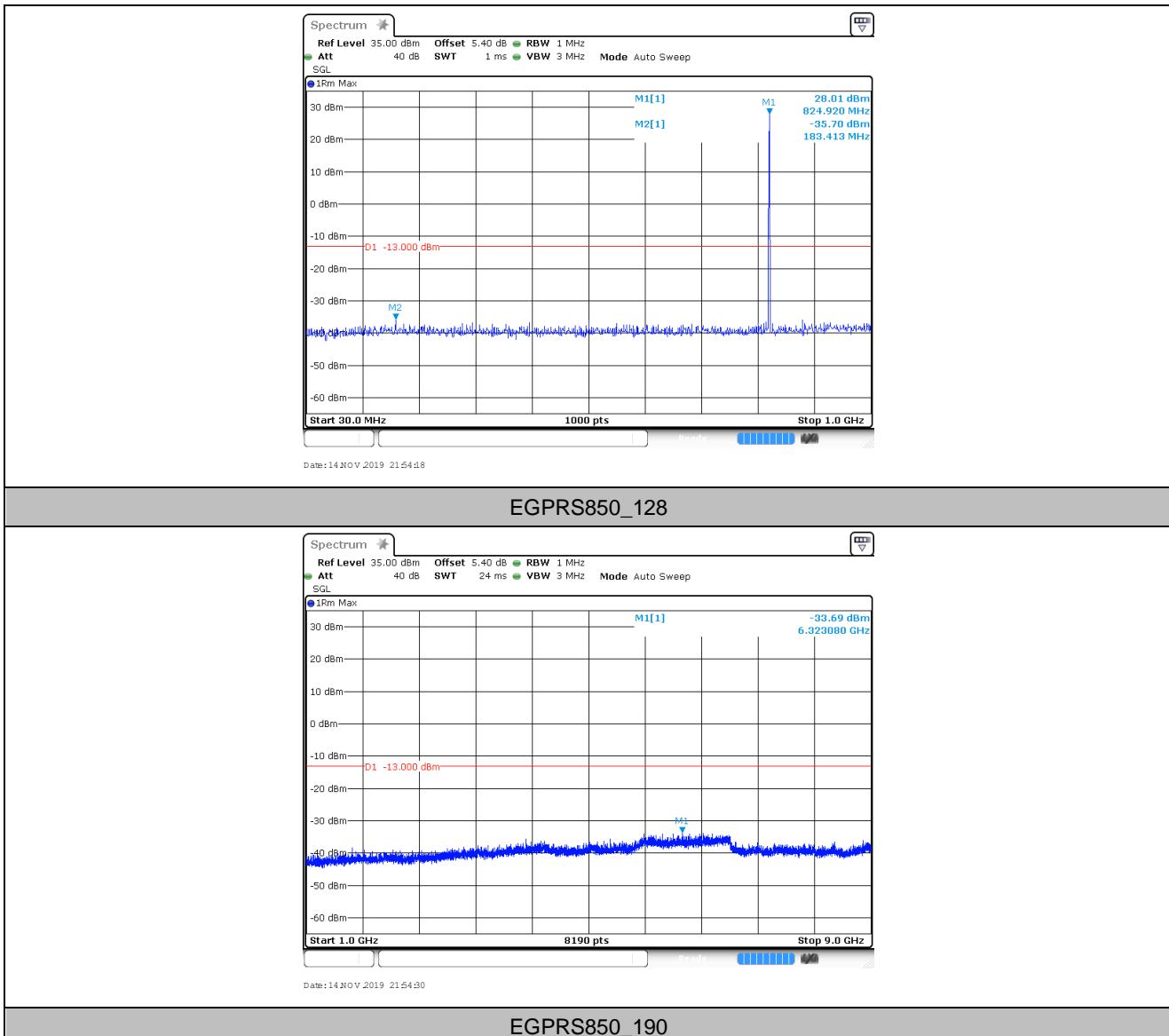


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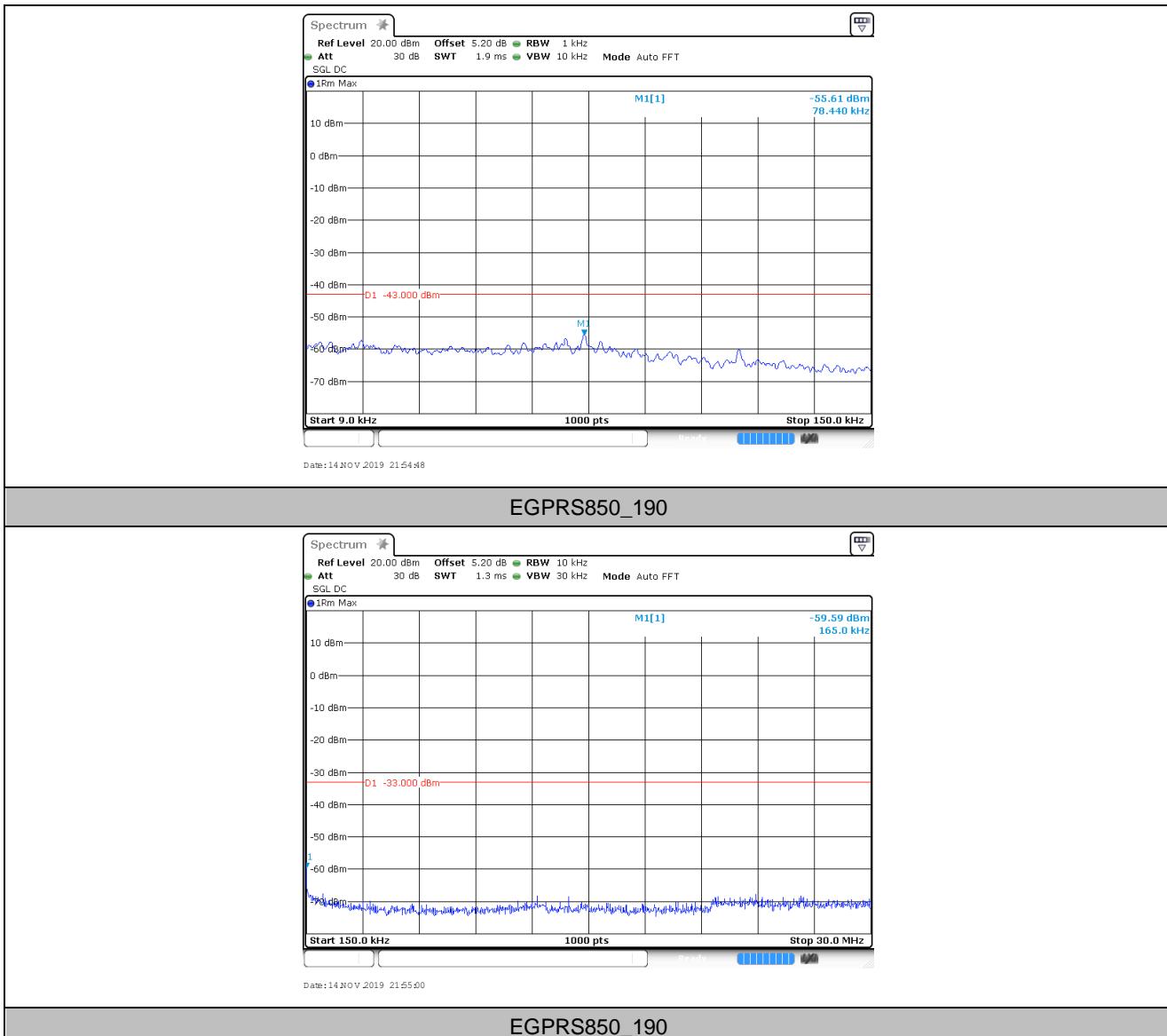


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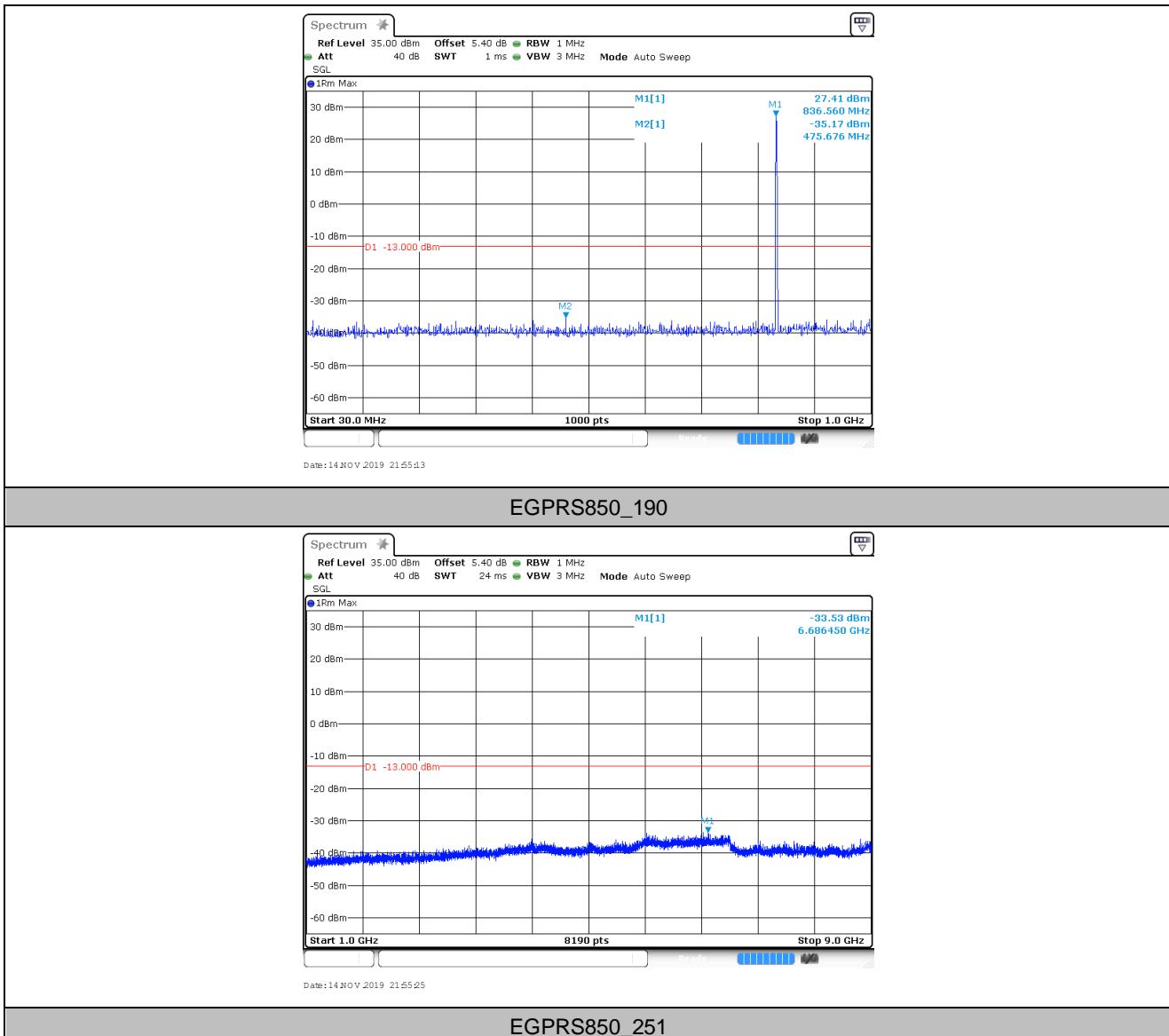


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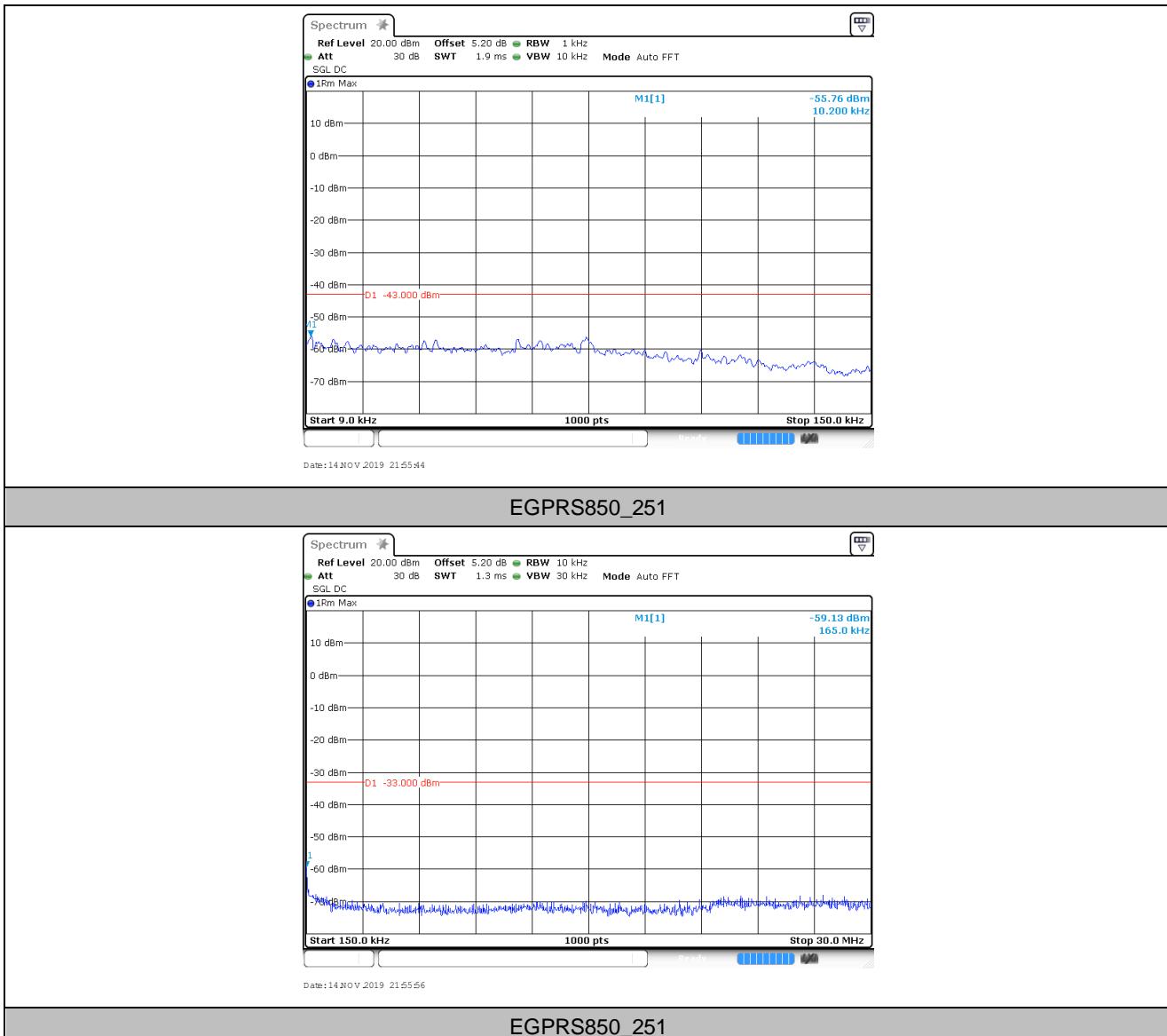
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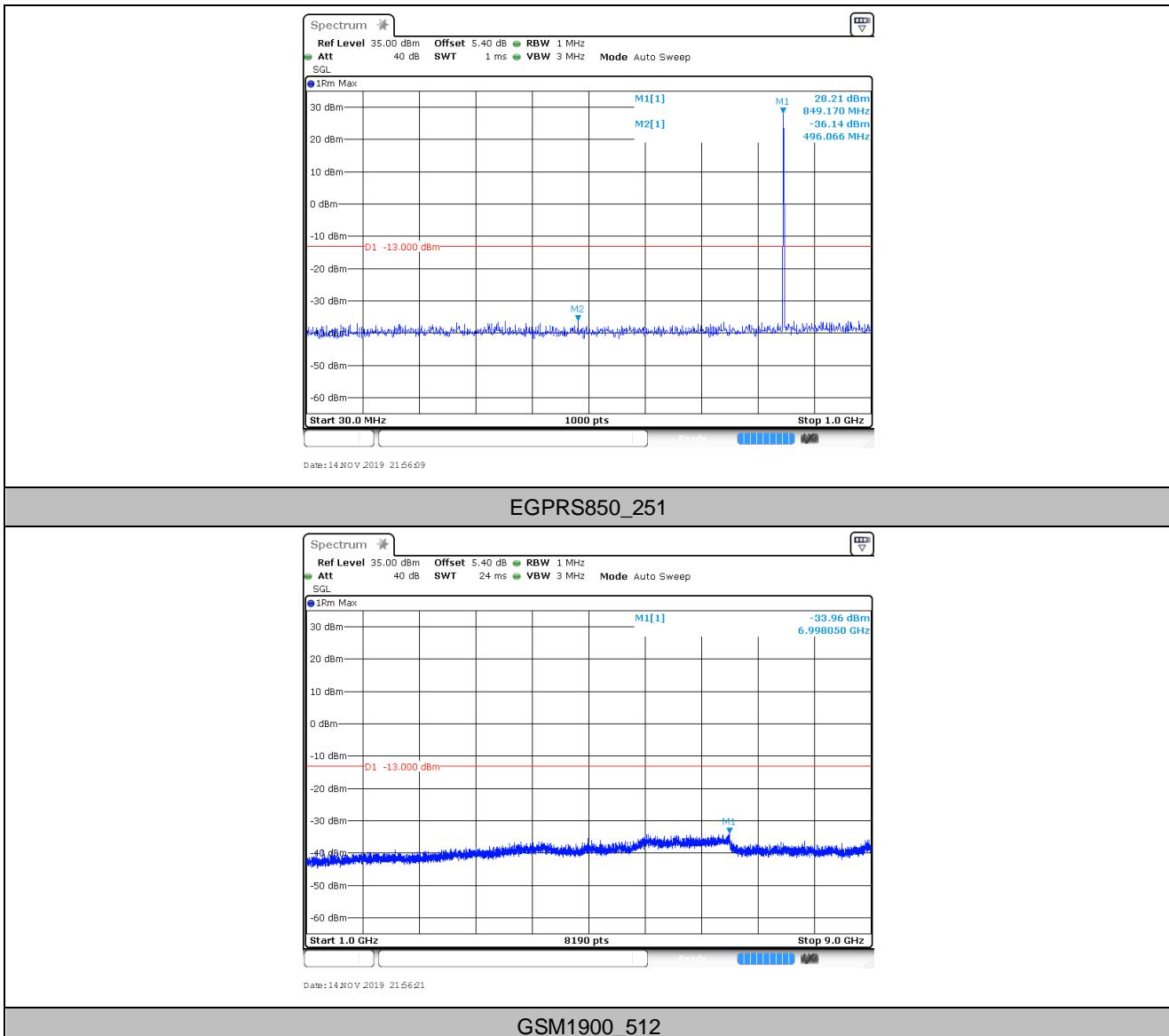


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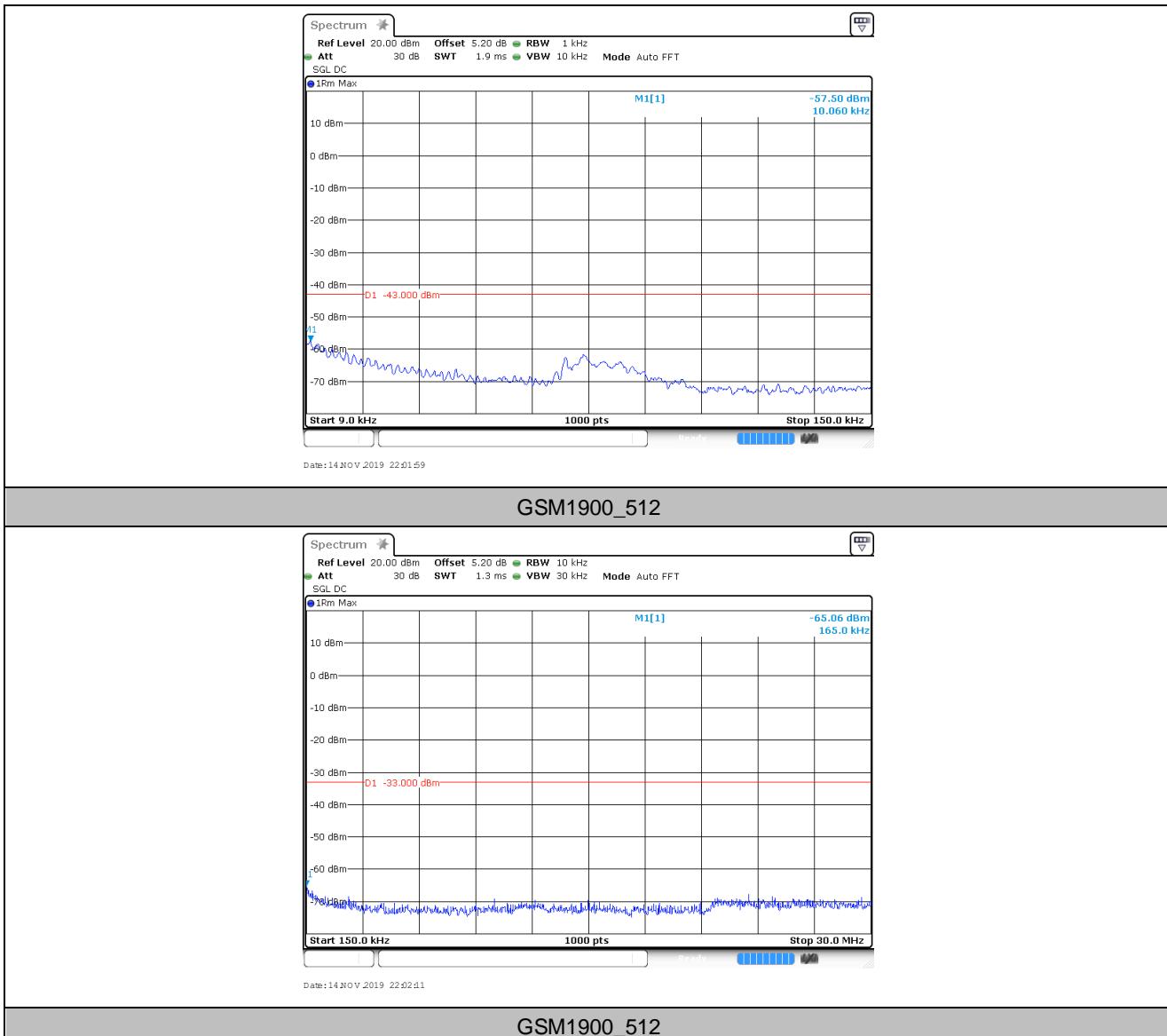


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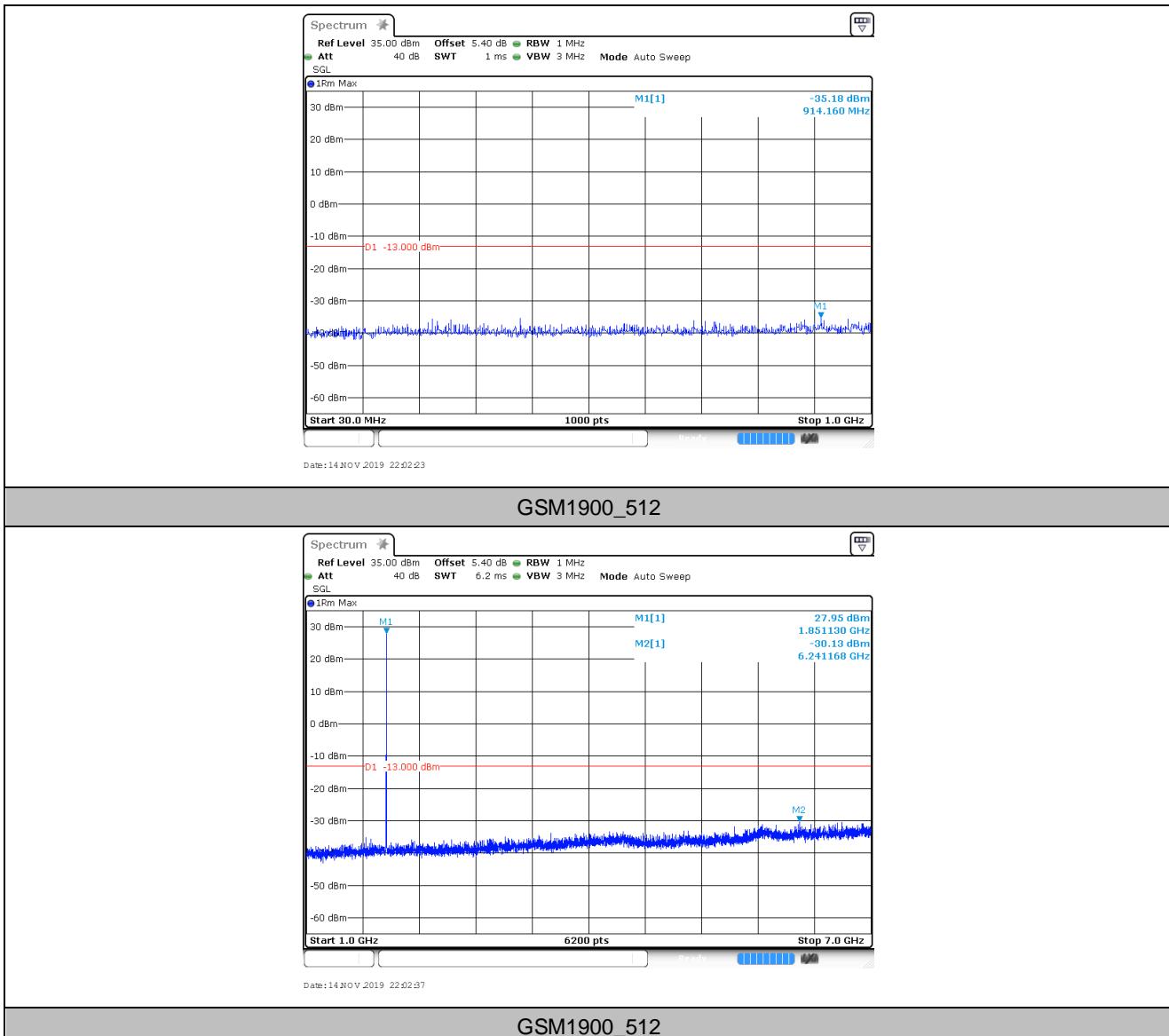


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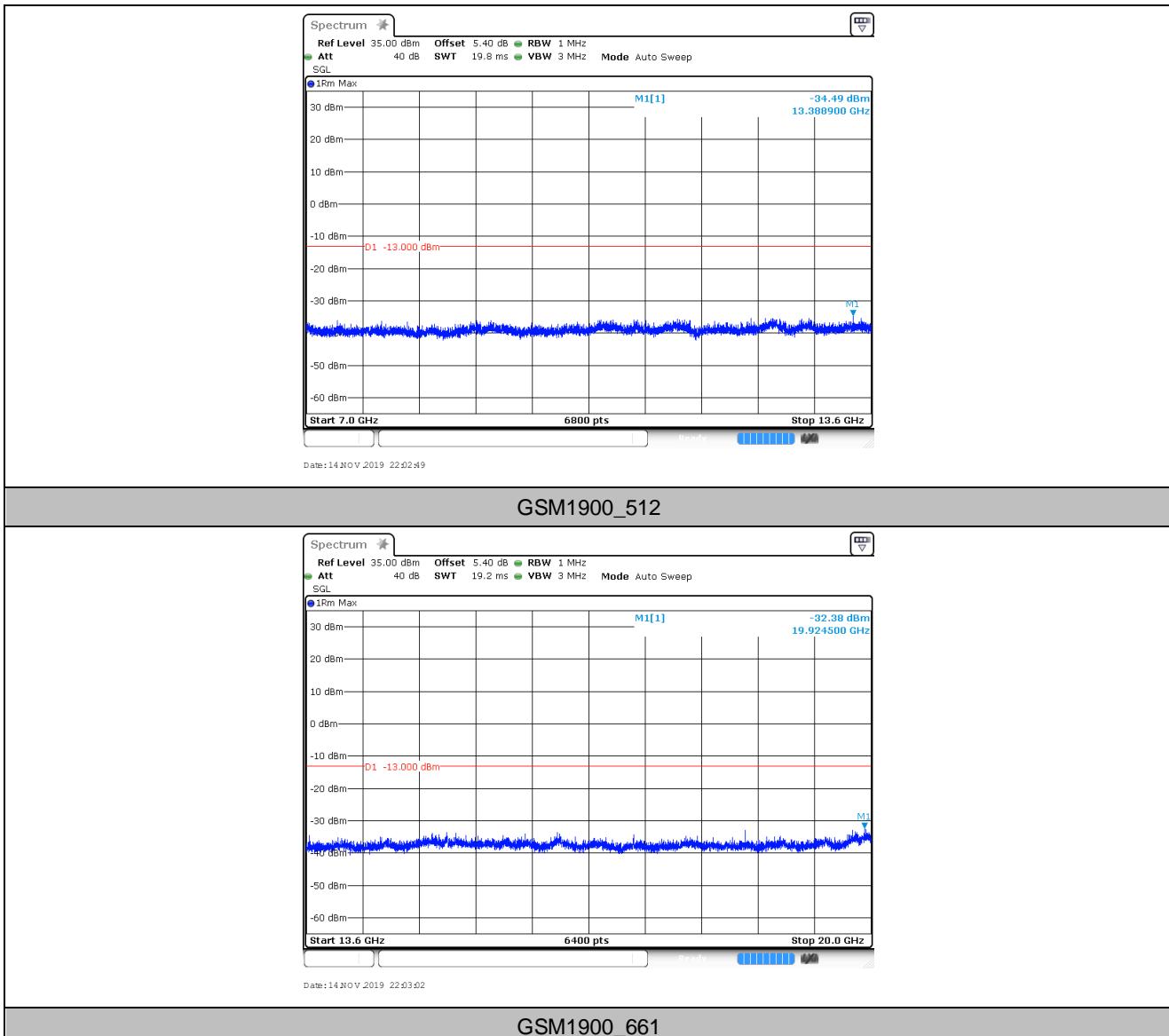


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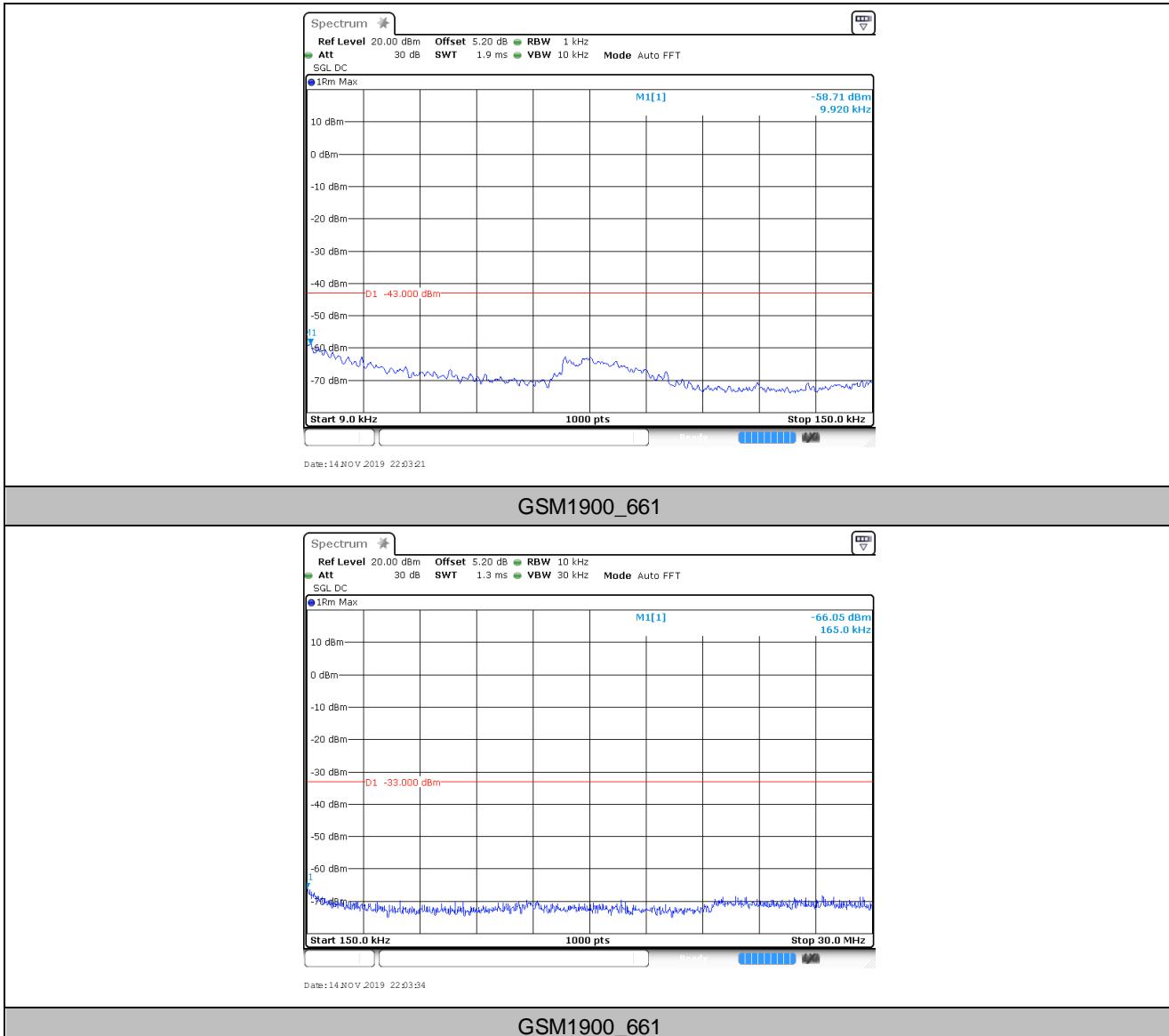
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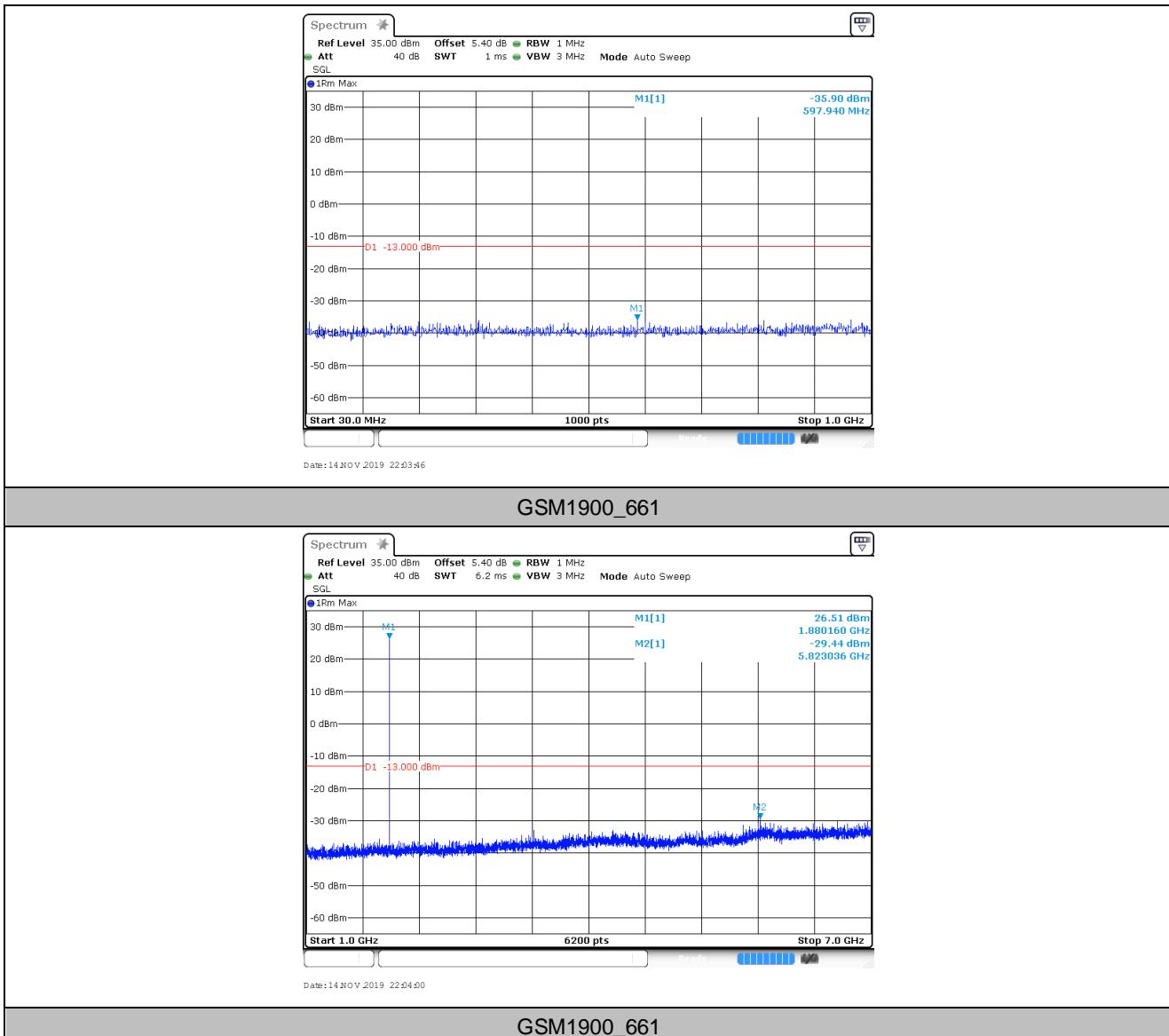


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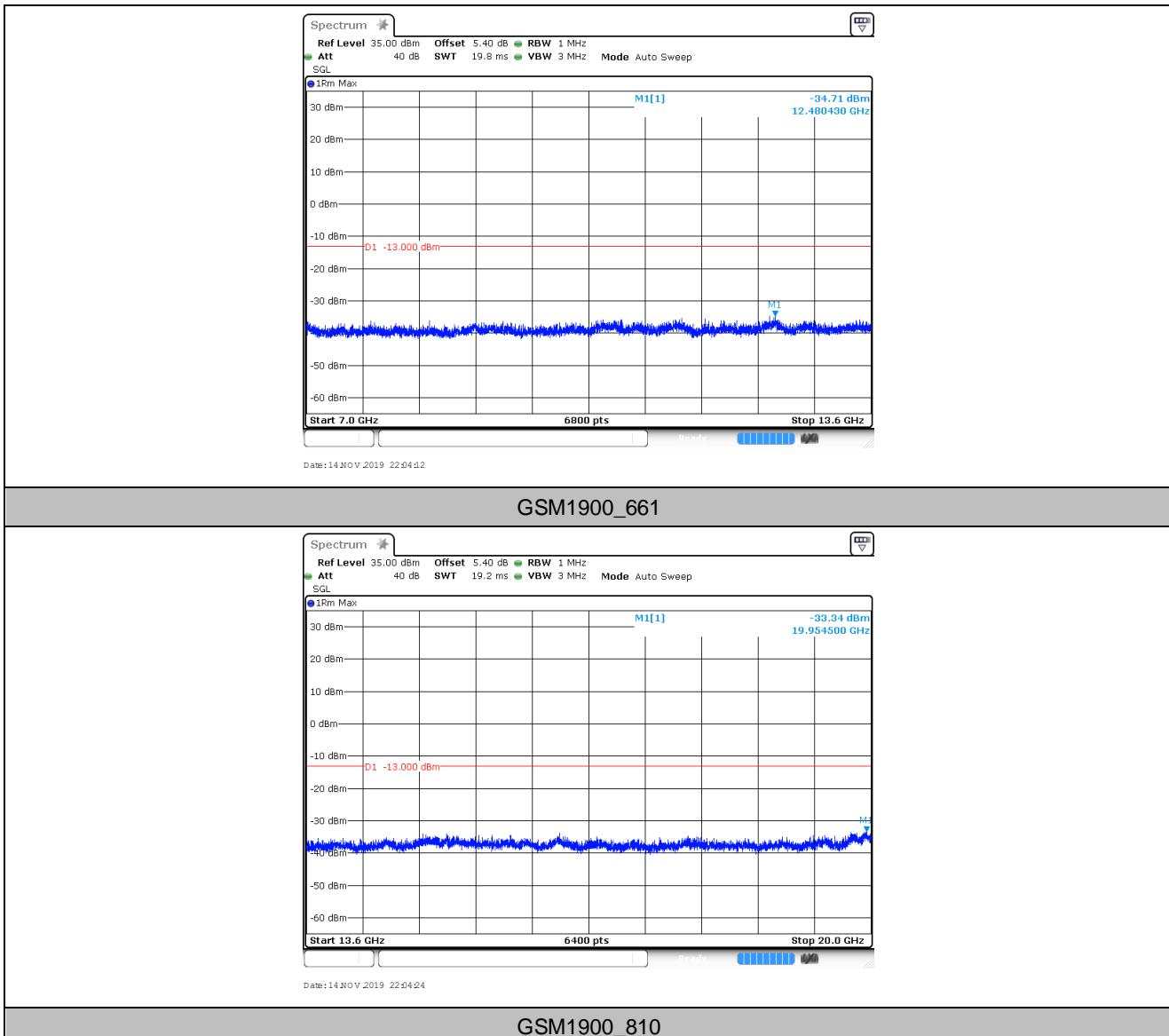


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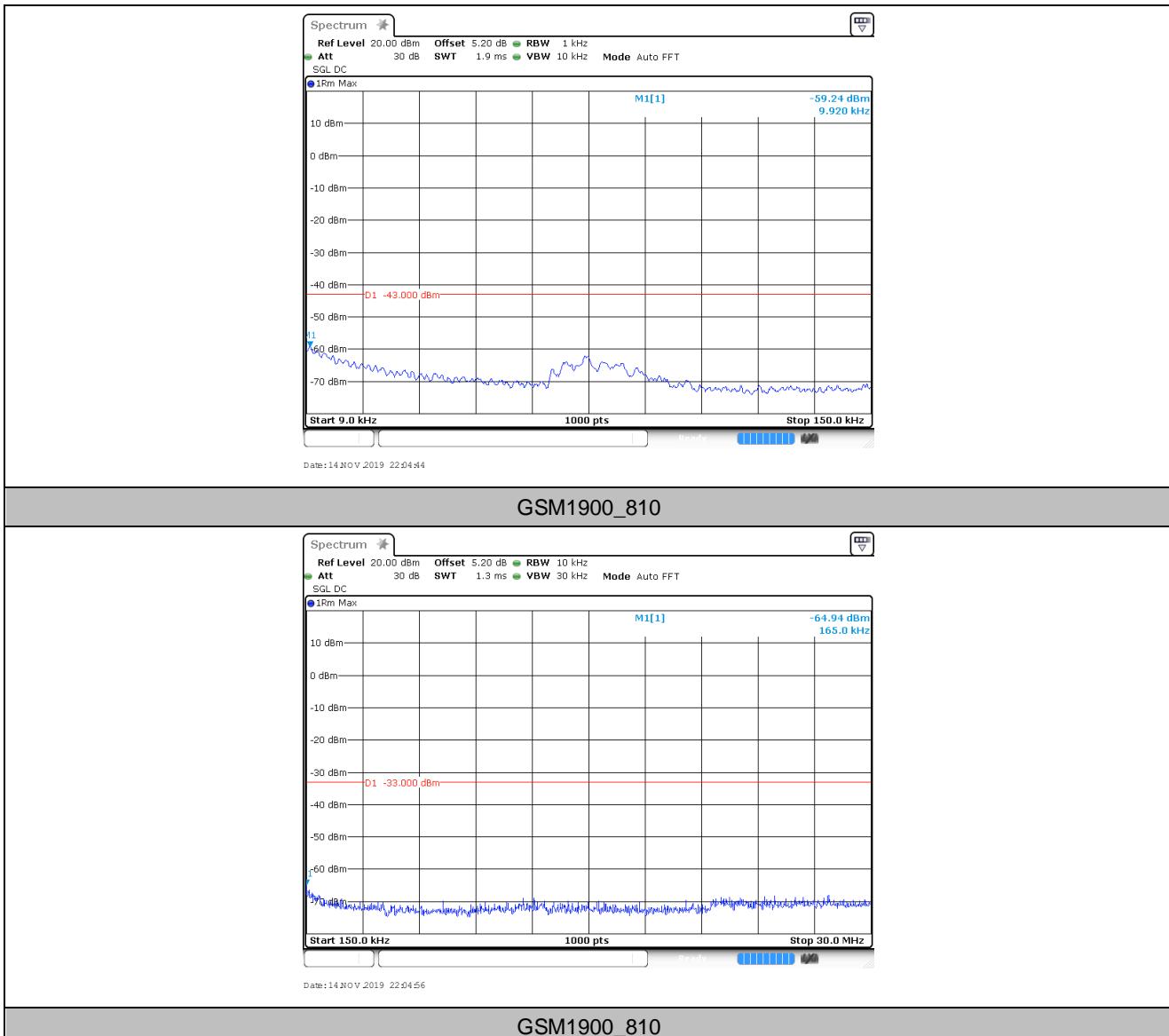
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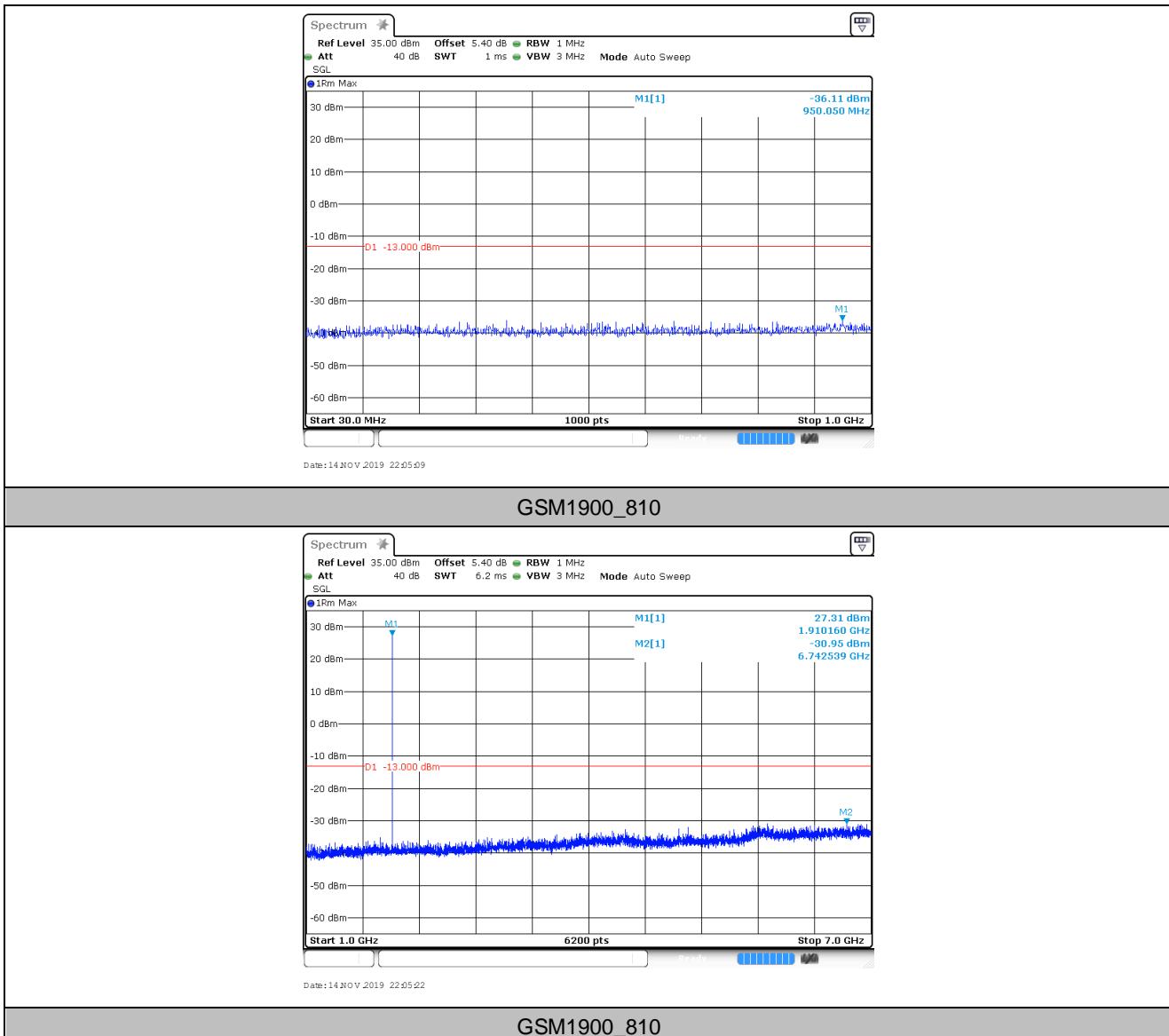
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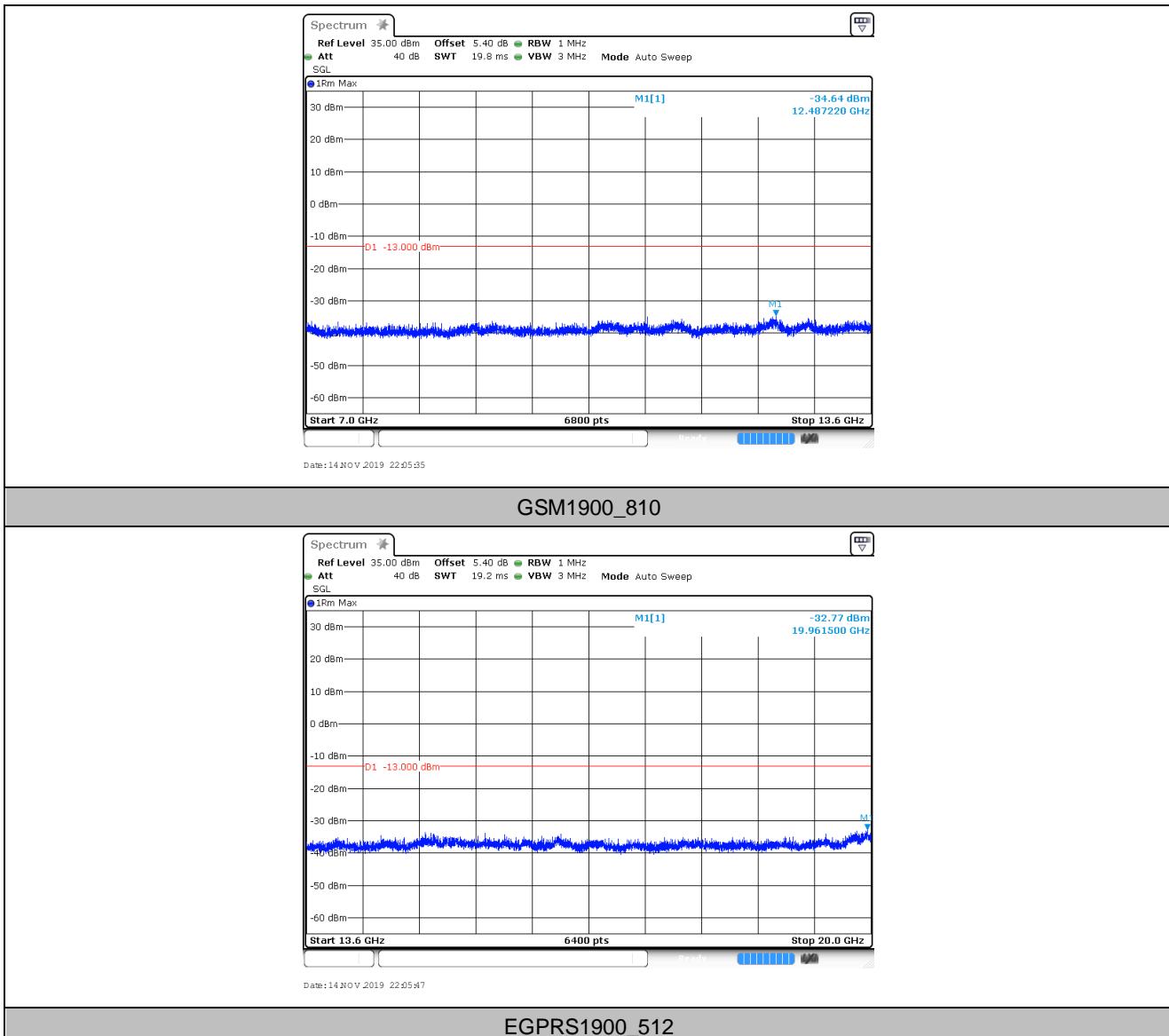


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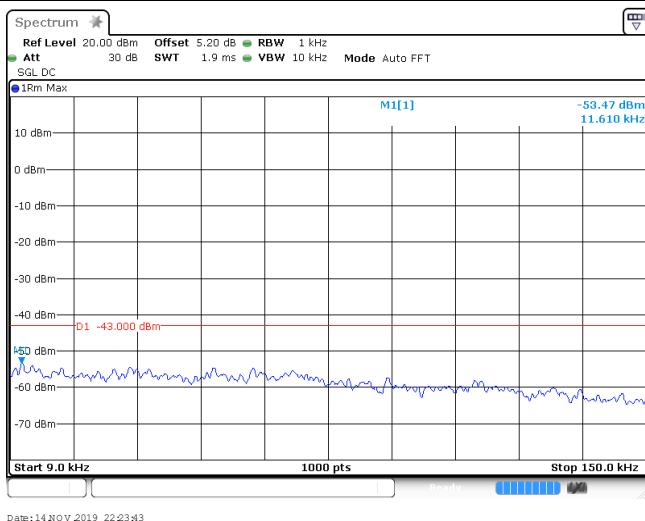


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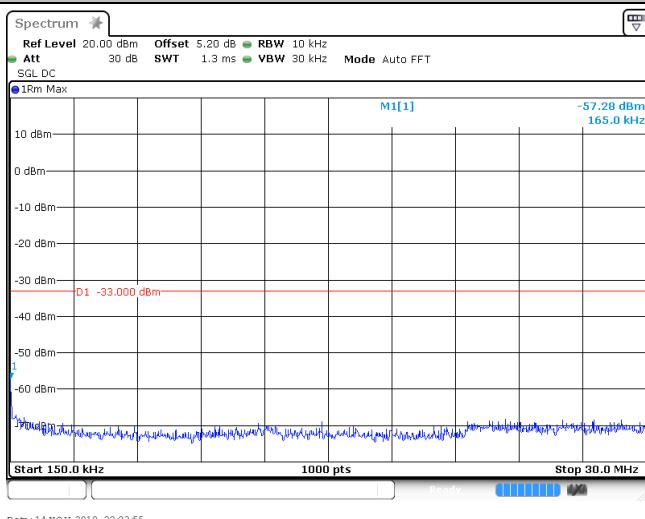
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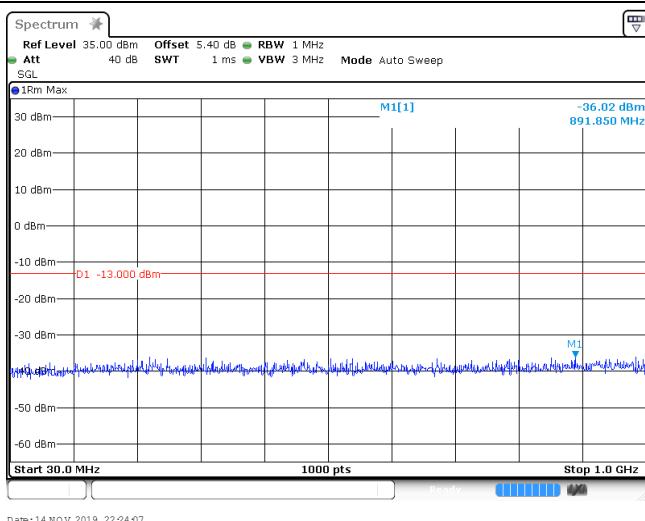


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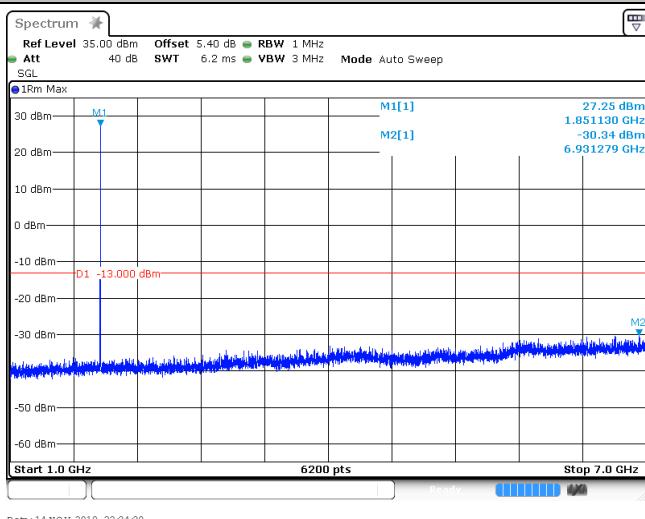
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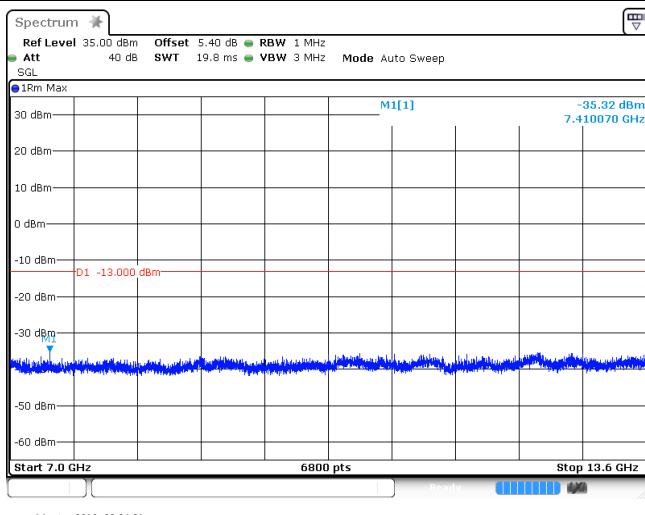


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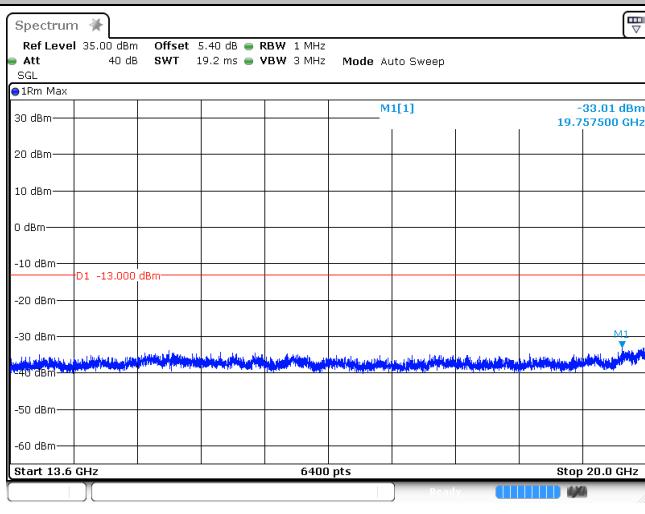
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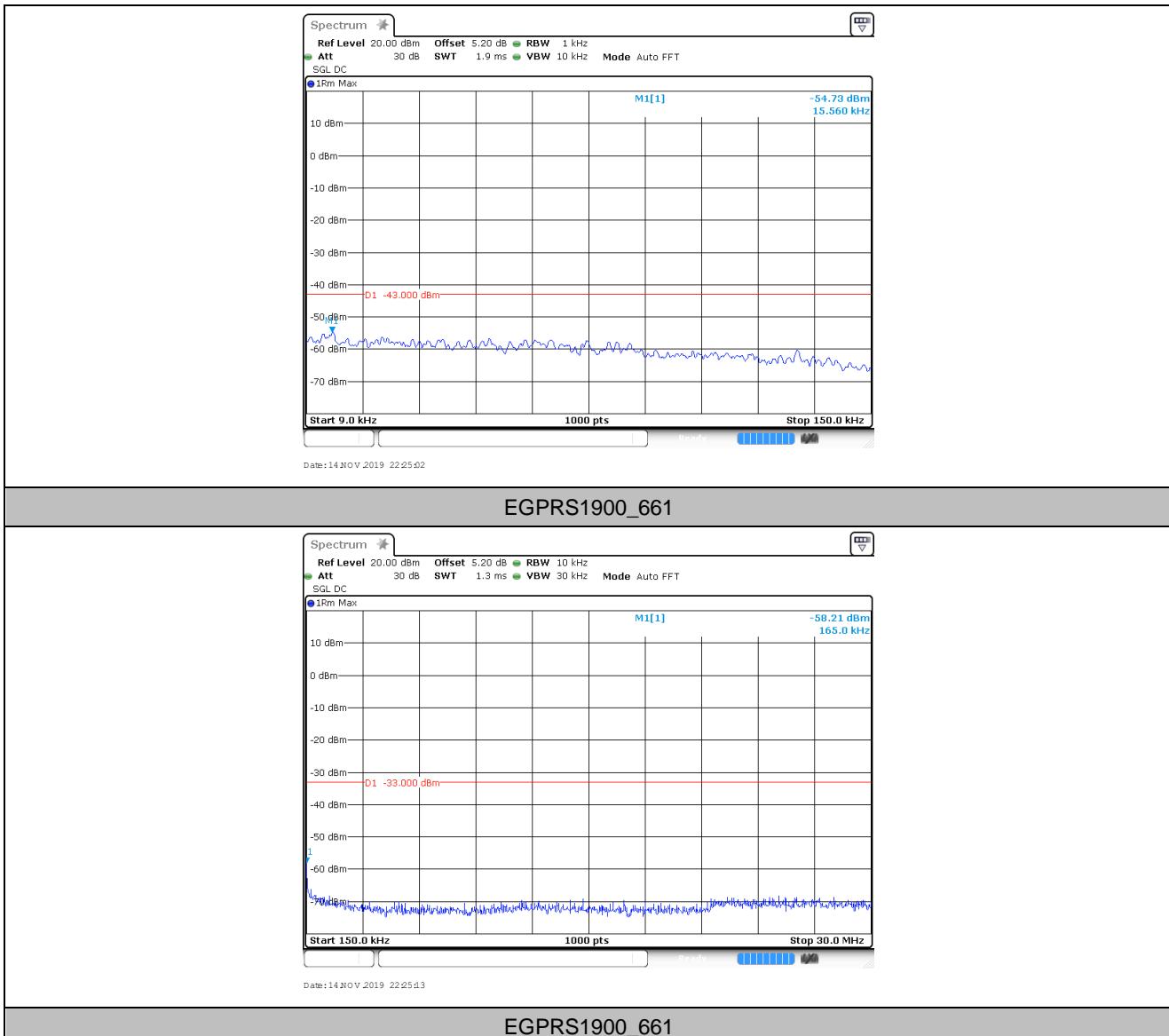
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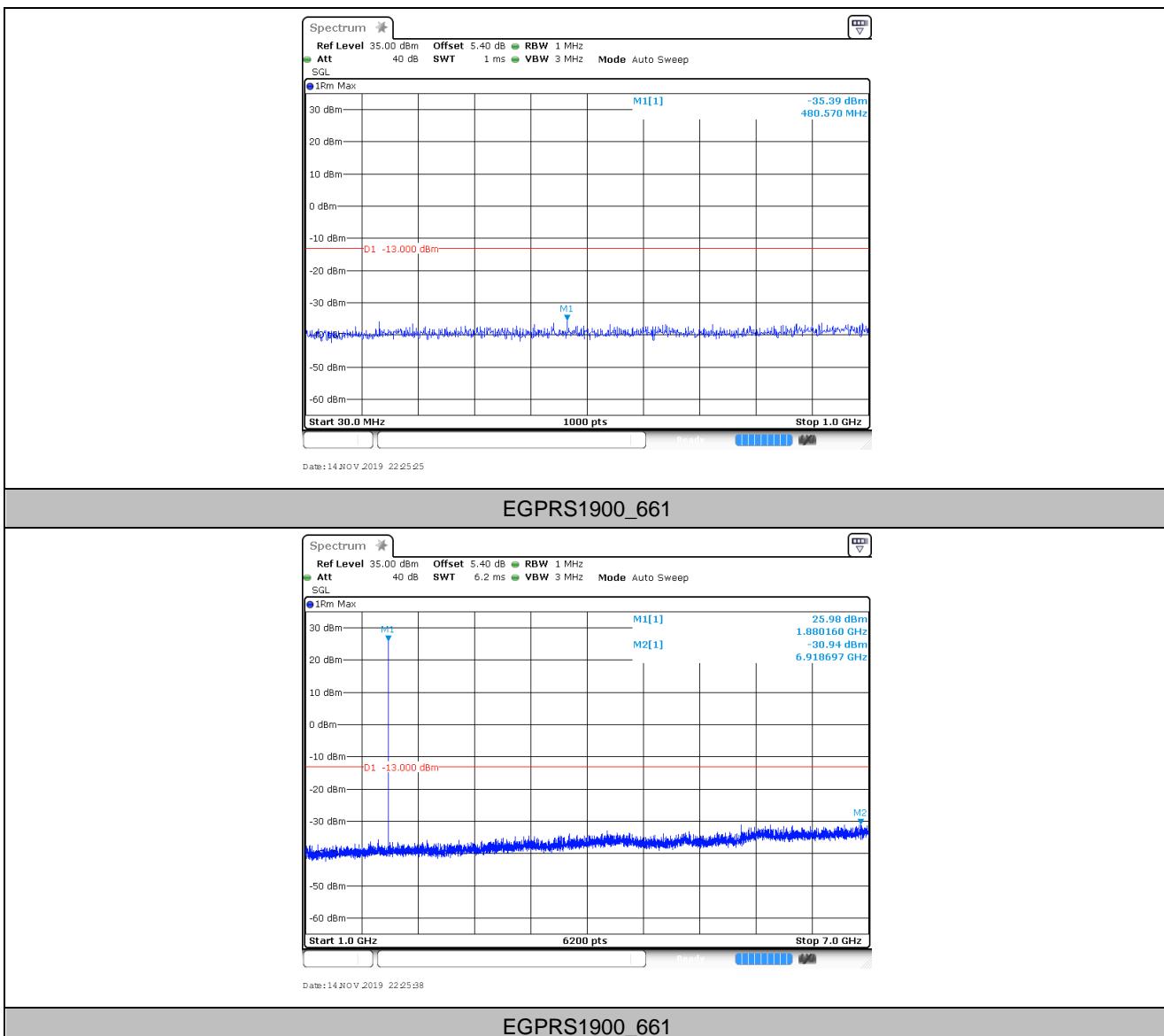
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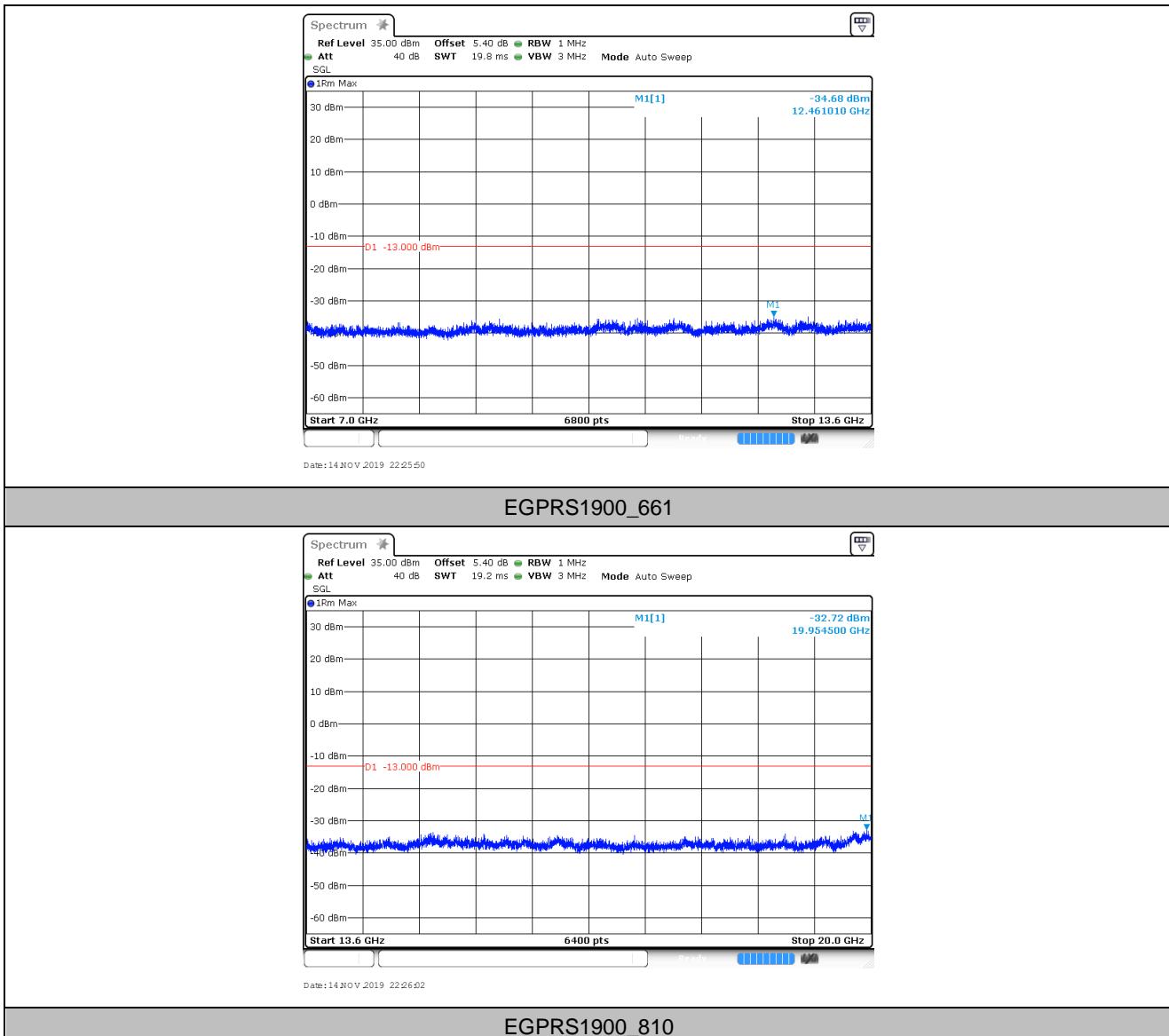


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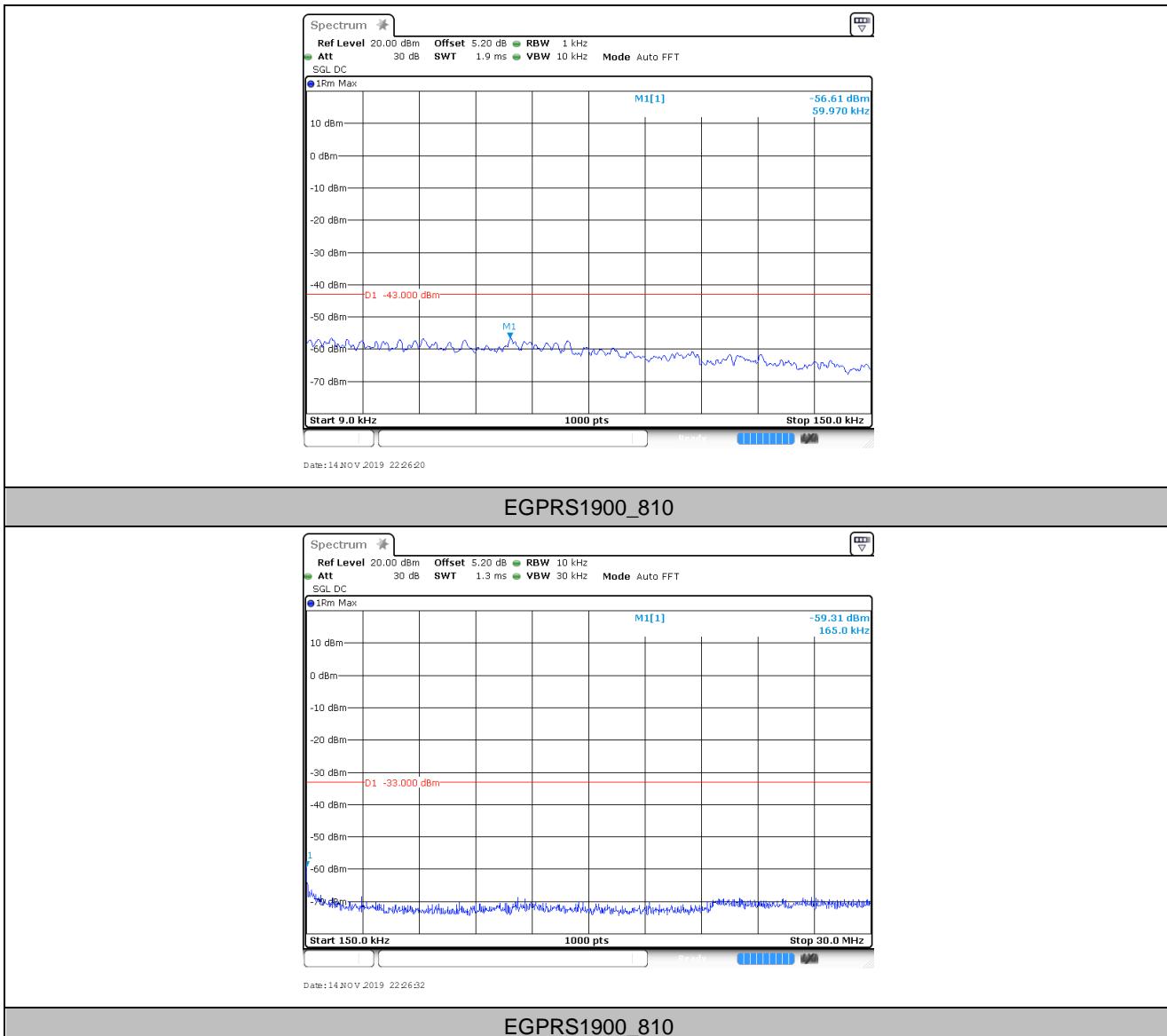


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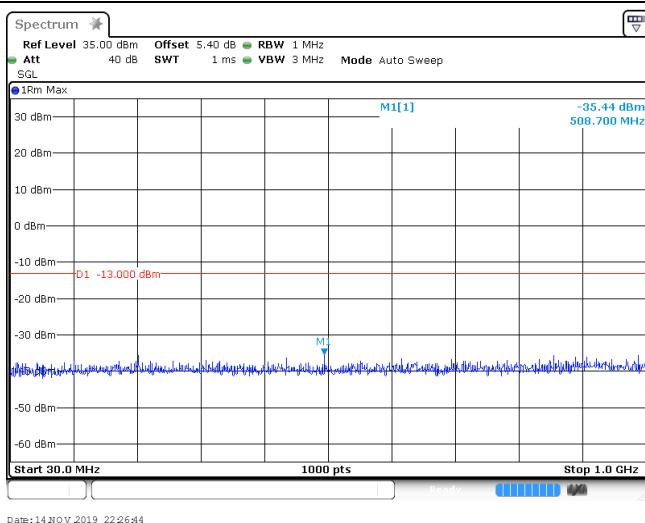


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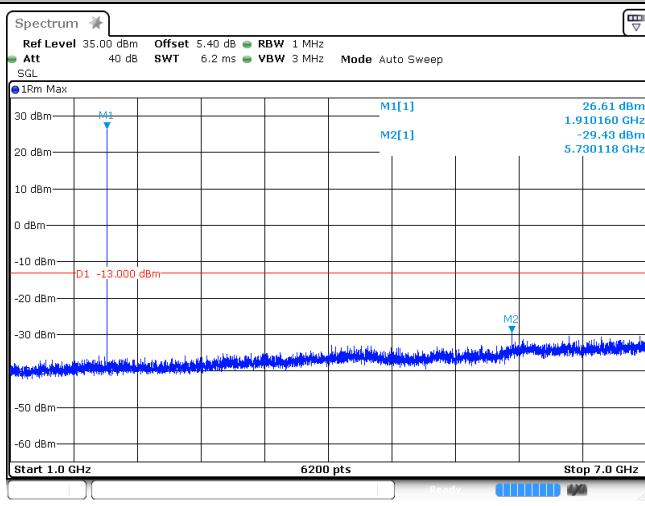
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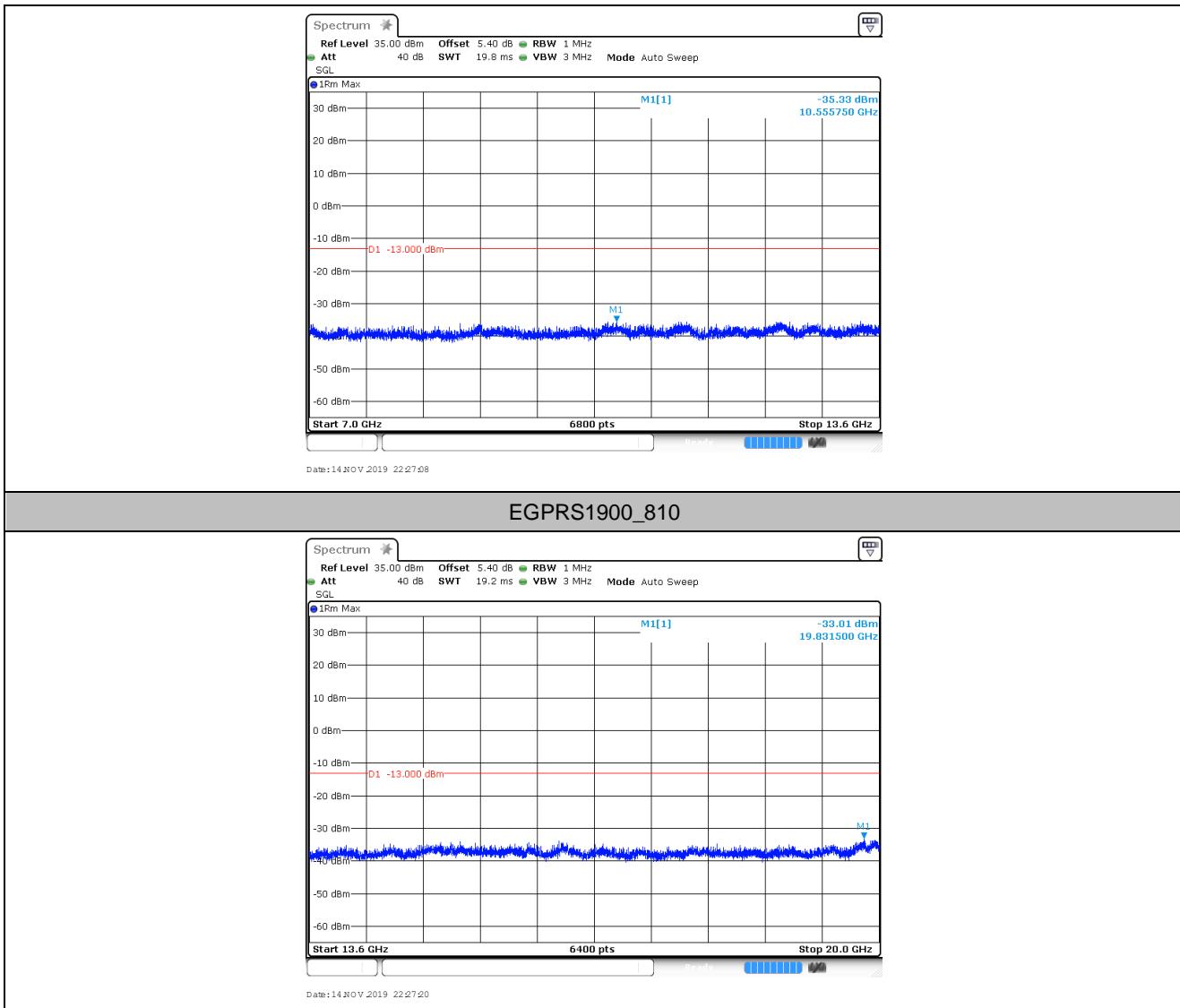


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## 7. Field Strength of Spurious Radiation

### 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
110.7565	-64.79	-13.00	51.79	163	357	Vertical
5550.5850	-44.40	-13.00	31.40	172	357	Vertical
7400.6467	-44.74	-13.00	31.74	196	132	Vertical
9251.2084	-42.25	-13.00	29.25	123	38	Vertical
11101.2700	-36.93	-13.00	23.93	217	294	Vertical
12951.3317	-39.48	-13.00	26.48	188	38	Vertical
45.0358	-64.47	-13.00	51.47	166	162	Horizontal
242.7316	-68.40	-13.00	55.40	172	352	Horizontal
950.3820	-60.60	-13.00	47.60	255	226	Horizontal
3700.5234	-51.21	-13.00	38.21	241	352	Horizontal
5550.5850	-51.42	-13.00	38.42	192	289	Horizontal
12951.3317	-41.09	-13.00	28.09	177	352	Horizontal

#### 7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height (cm)	Angle (°)	Polarization
111.4356	-65.15	-13.00	52.15	211	289	Vertical
5640.0880	-46.49	-13.00	33.49	172	352	Vertical
7520.1507	-47.97	-13.00	34.97	299	36	Vertical
9399.7133	-40.18	-13.00	27.18	283	36	Vertical
11280.2760	-43.07	-13.00	30.07	172	100	Vertical
13160.3387	-40.01	-13.00	27.01	223	68	Vertical
45.6663	-64.58	-13.00	51.58	166	321	Horizontal
775.1428	-62.05	-13.00	49.05	221	36	Horizontal
3760.0253	-51.73	-13.00	38.73	137	353	Horizontal
5640.0880	-48.76	-13.00	35.76	172	194	Horizontal
9400.2133	-44.74	-13.00	31.74	226	194	Horizontal
16387.9463	-37.30	-13.00	24.30	274	36	Horizontal

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**7.1.3. Test Channel = HCH**

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height (cm)	Angle (°)	Polarization
110.8050	-65.11	-13.00	52.11	132	223	Vertical
3819.5273	-53.80	-13.00	40.80	172	161	Vertical
5729.0910	-49.62	-13.00	36.62	252	349	Vertical
7639.1546	-48.86	-13.00	35.86	177	349	Vertical
9548.7183	-43.92	-13.00	30.92	196	349	Vertical
13368.3456	-33.14	-13.00	20.14	241	67	Vertical
41.6891	-64.37	-13.00	51.37	163	194	Horizontal
234.0982	-67.65	-13.00	54.65	222	67	Horizontal
745.2168	-62.56	-13.00	49.56	171	194	Horizontal
3819.5273	-52.67	-13.00	39.67	296	320	Horizontal
5729.5910	-47.79	-13.00	34.79	271	194	Horizontal
16382.4461	-37.63	-13.00	24.63	177	99	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
111.2416	-64.33	-13.00	51.33	166	43	Vertical
1648.1296	-60.08	-13.00	47.08	173	356	Vertical
2472.6945	-46.37	-13.00	33.37	254	142	Vertical
4121.0374	-44.97	-13.00	31.97	244	11	Vertical
14468.3823	-43.33	-13.00	30.33	288	11	Vertical
17999.0000	-34.77	-13.00	21.77	291	168	Vertical
42.9501	-63.36	-13.00	50.36	296	293	Horizontal
1648.5297	-53.85	-13.00	40.85	272	231	Horizontal
2472.2945	-44.71	-13.00	31.71	142	176	Horizontal
3297.0099	-48.70	-13.00	35.70	133	41	Horizontal
4121.0374	-51.96	-13.00	38.96	172	8	Horizontal
16394.4465	-39.69	-13.00	26.69	252	167	Horizontal

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**7.2.2. Test Channel = MCH**

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height (cm)	Angle (°)	Polarization
110.1745	-64.02	-13.00	51.02	163	75	Vertical
1672.9346	-56.33	-13.00	43.33	272	4	Vertical
2455.0910	-50.37	-13.00	37.37	171	357	Vertical
4183.0394	-52.39	-13.00	39.39	222	12	Vertical
14482.8828	-42.97	-13.00	29.97	274	200	Vertical
17994.9998	-34.72	-13.00	21.72	166	325	Vertical
42.2226	-63.94	-13.00	50.94	177	164	Horizontal
1673.3347	-49.25	-13.00	36.25	152	217	Horizontal
2509.9020	-42.46	-13.00	29.46	263	193	Horizontal
3346.5116	-54.14	-13.00	41.14	271	325	Horizontal
4183.0394	-55.98	-13.00	42.98	122	6	Horizontal
16376.9459	-39.39	-13.00	26.39	286	101	Horizontal

**7.2.3. Test Channel = HCH**

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height (cm)	Angle (°)	Polarization
80.6850	-67.80	-13.00	54.80	242	126	Vertical
115.5583	-63.78	-13.00	50.78	132	126	Vertical
1697.7395	-53.93	-13.00	40.93	171	224	Vertical
2546.3093	-46.02	-13.00	33.02	199	4	Vertical
4244.0415	-51.28	-13.00	38.28	177	356	Vertical
17996.9999	-34.73	-13.00	21.73	272	24	Vertical
40.9615	-63.96	-13.00	50.96	185	136	Horizontal
1697.7395	-44.87	-13.00	31.87	166	214	Horizontal
2439.4879	-42.19	-13.00	29.19	221	303	Horizontal
3395.0132	-56.41	-13.00	43.41	282	325	Horizontal
4243.5415	-55.23	-13.00	42.23	196	167	Horizontal
16395.9465	-38.88	-13.00	25.88	273	230	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)	Voltage		Limit (ppm)	Verdict
				Deviation (Hz)	Deviation (ppm)		
GSM850	128	VL	TN	3.00	0.003643	±2.5	PASS
GSM850	128	VN	TN	3.33	0.004035	±2.5	PASS
GSM850	128	VH	TN	5.68	0.006894	±2.5	PASS
GSM850	190	VL	TN	6.52	0.007796	±2.5	PASS
GSM850	190	VN	TN	8.27	0.009879	±2.5	PASS
GSM850	190	VH	TN	4.81	0.005750	±2.5	PASS
GSM850	251	VL	TN	5.33	0.006276	±2.5	PASS
GSM850	251	VN	TN	1.94	0.002282	±2.5	PASS
GSM850	251	VH	TN	3.97	0.004679	±2.5	PASS
EGPRS850	128	VL	TN	0.45	0.000548	±2.5	PASS
EGPRS850	128	VN	TN	0.87	0.001058	±2.5	PASS
EGPRS850	128	VH	TN	-6.10	-0.007404	±2.5	PASS
EGPRS850	190	VL	TN	0.71	0.000849	±2.5	PASS
EGPRS850	190	VN	TN	-4.91	-0.005866	±2.5	PASS
EGPRS850	190	VH	TN	-0.16	-0.000193	±2.5	PASS
GSM1900	512	VL	TN	11.27	0.006090	±2.5	PASS
GSM1900	512	VN	TN	7.62	0.004118	±2.5	PASS
GSM1900	512	VH	TN	16.30	0.008812	±2.5	PASS
GSM1900	661	VL	TN	10.56	0.005616	±2.5	PASS
GSM1900	661	VN	TN	6.46	0.003435	±2.5	PASS
GSM1900	661	VH	TN	6.78	0.003606	±2.5	PASS
GSM1900	810	VL	TN	1.78	0.000930	±2.5	PASS
GSM1900	810	VN	TN	10.46	0.005477	±2.5	PASS
GSM1900	810	VH	TN	8.72	0.004564	±2.5	PASS
EGPRS1900	512	VL	TN	3.23	0.001745	±2.5	PASS
EGPRS1900	512	VN	TN	-5.59	-0.003019	±2.5	PASS
EGPRS1900	512	VH	TN	1.58	0.000855	±2.5	PASS
EGPRS1900	661	VL	TN	-0.90	-0.000481	±2.5	PASS
EGPRS1900	661	VN	TN	1.78	0.000945	±2.5	PASS
EGPRS1900	661	VH	TN	0.77	0.000412	±2.5	PASS
EGPRS1900	810	VL	TN	-7.10	-0.003719	±2.5	PASS
EGPRS1900	810	VN	TN	-4.94	-0.002587	±2.5	PASS
EGPRS1900	810	VH	TN	-0.84	-0.000440	±2.5	PASS

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## 8.2. Frequency Error Vs Temperature

Temperature							
BAND	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	VN	-30	0.97	0.001175	±2.5	PASS
GSM850	128	VN	-20	4.07	0.004936	±2.5	PASS
GSM850	128	VN	-10	3.39	0.004113	±2.5	PASS
GSM850	128	VN	0	8.59	0.010420	±2.5	PASS
GSM850	128	VN	10	11.66	0.014141	±2.5	PASS
GSM850	128	VN	20	10.78	0.013084	±2.5	PASS
GSM850	128	VN	30	9.14	0.011086	±2.5	PASS
GSM850	128	VN	40	9.69	0.011752	±2.5	PASS
GSM850	128	VN	50	7.10	0.008618	±2.5	PASS
GSM850	190	VN	-30	6.30	0.007525	±2.5	PASS
GSM850	190	VN	-20	2.26	0.002701	±2.5	PASS
GSM850	190	VN	-10	3.07	0.003666	±2.5	PASS
GSM850	190	VN	0	4.75	0.005673	±2.5	PASS
GSM850	190	VN	10	5.17	0.006175	±2.5	PASS
GSM850	190	VN	20	8.36	0.009995	±2.5	PASS
GSM850	190	VN	30	3.87	0.004631	±2.5	PASS
GSM850	190	VN	40	-2.07	-0.002470	±2.5	PASS
GSM850	190	VN	50	-2.62	-0.003126	±2.5	PASS
GSM850	251	VN	-30	-0.19	-0.000228	±2.5	PASS
GSM850	251	VN	-20	2.36	0.002777	±2.5	PASS
GSM850	251	VN	-10	5.36	0.006314	±2.5	PASS
GSM850	251	VN	0	5.78	0.006809	±2.5	PASS
GSM850	251	VN	10	1.39	0.001636	±2.5	PASS
GSM850	251	VN	20	-0.16	-0.000190	±2.5	PASS
GSM850	251	VN	30	2.97	0.003499	±2.5	PASS
GSM850	251	VN	40	4.52	0.005325	±2.5	PASS
GSM850	251	VN	50	6.59	0.007760	±2.5	PASS
EGPRS850	128	VN	-30	-3.42	-0.004152	±2.5	PASS
EGPRS850	128	VN	-20	-0.13	-0.000157	±2.5	PASS
EGPRS850	128	VN	-10	1.07	0.001293	±2.5	PASS
EGPRS850	128	VN	0	-1.45	-0.001763	±2.5	PASS
EGPRS850	128	VN	10	2.58	0.003134	±2.5	PASS
EGPRS850	128	VN	20	13.33	0.016178	±2.5	PASS
EGPRS850	128	VN	30	9.65	0.011713	±2.5	PASS
EGPRS850	128	VN	40	4.29	0.005210	±2.5	PASS
EGPRS850	128	VN	50	8.49	0.010302	±2.5	PASS
EGPRS850	190	VN	-30	-0.16	-0.000193	±2.5	PASS
EGPRS850	190	VN	-20	-3.84	-0.004592	±2.5	PASS
EGPRS850	190	VN	-10	-1.55	-0.001852	±2.5	PASS
EGPRS850	190	VN	0	-1.68	-0.002007	±2.5	PASS
EGPRS850	190	VN	10	-0.90	-0.001081	±2.5	PASS

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EGPRS850	190	VN	20	5.46	0.006522	$\pm 2.5$	PASS
EGPRS850	190	VN	30	1.58	0.001891	$\pm 2.5$	PASS
EGPRS850	190	VN	40	1.49	0.001775	$\pm 2.5$	PASS
EGPRS850	190	VN	50	4.36	0.005210	$\pm 2.5$	PASS
GSM1900	512	VN	-30	8.27	0.004467	$\pm 2.5$	PASS
GSM1900	512	VN	-20	9.52	0.005148	$\pm 2.5$	PASS
GSM1900	512	VN	-10	8.43	0.004554	$\pm 2.5$	PASS
GSM1900	512	VN	0	20.60	0.011133	$\pm 2.5$	PASS
GSM1900	512	VN	10	25.44	0.013751	$\pm 2.5$	PASS
GSM1900	512	VN	20	28.35	0.015321	$\pm 2.5$	PASS
GSM1900	512	VN	30	25.47	0.013768	$\pm 2.5$	PASS
GSM1900	512	VN	40	16.95	0.009161	$\pm 2.5$	PASS
GSM1900	512	VN	50	18.73	0.010121	$\pm 2.5$	PASS
GSM1900	661	VN	-30	11.33	0.006028	$\pm 2.5$	PASS
GSM1900	661	VN	-20	8.91	0.004740	$\pm 2.5$	PASS
GSM1900	661	VN	-10	9.30	0.004946	$\pm 2.5$	PASS
GSM1900	661	VN	0	16.47	0.008758	$\pm 2.5$	PASS
GSM1900	661	VN	10	18.02	0.009583	$\pm 2.5$	PASS
GSM1900	661	VN	20	15.59	0.008295	$\pm 2.5$	PASS
GSM1900	661	VN	30	13.30	0.007075	$\pm 2.5$	PASS
GSM1900	661	VN	40	5.81	0.003091	$\pm 2.5$	PASS
GSM1900	661	VN	50	12.46	0.006629	$\pm 2.5$	PASS
GSM1900	810	VN	-30	9.52	0.004987	$\pm 2.5$	PASS
GSM1900	810	VN	-20	5.23	0.002739	$\pm 2.5$	PASS
GSM1900	810	VN	-10	5.84	0.003060	$\pm 2.5$	PASS
GSM1900	810	VN	0	7.94	0.004159	$\pm 2.5$	PASS
GSM1900	810	VN	10	8.23	0.004311	$\pm 2.5$	PASS
GSM1900	810	VN	20	-13.46	-0.007050	$\pm 2.5$	PASS
GSM1900	810	VN	30	3.58	0.001876	$\pm 2.5$	PASS
GSM1900	810	VN	40	15.21	0.007962	$\pm 2.5$	PASS
GSM1900	810	VN	50	5.36	0.002806	$\pm 2.5$	PASS
EGPRS1900	512	VN	-30	5.78	0.003124	$\pm 2.5$	PASS
EGPRS1900	512	VN	-20	6.59	0.003560	$\pm 2.5$	PASS
EGPRS1900	512	VN	-10	8.65	0.004677	$\pm 2.5$	PASS
EGPRS1900	512	VN	0	8.23	0.004450	$\pm 2.5$	PASS
EGPRS1900	512	VN	10	20.70	0.011185	$\pm 2.5$	PASS
EGPRS1900	512	VN	20	24.67	0.013332	$\pm 2.5$	PASS
EGPRS1900	512	VN	30	21.28	0.011499	$\pm 2.5$	PASS
EGPRS1900	512	VN	40	28.12	0.015199	$\pm 2.5$	PASS
EGPRS1900	512	VN	50	19.82	0.010714	$\pm 2.5$	PASS
EGPRS1900	661	VN	-30	0.32	0.000172	$\pm 2.5$	PASS
EGPRS1900	661	VN	-20	2.42	0.001288	$\pm 2.5$	PASS
EGPRS1900	661	VN	-10	2.26	0.001202	$\pm 2.5$	PASS
EGPRS1900	661	VN	0	1.29	0.000687	$\pm 2.5$	PASS
EGPRS1900	661	VN	10	10.69	0.005684	$\pm 2.5$	PASS
EGPRS1900	661	VN	20	10.27	0.005461	$\pm 2.5$	PASS
EGPRS1900	661	VN	30	9.23	0.004912	$\pm 2.5$	PASS

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EGPRS1900	661	VN	40	12.14	0.006457	±2.5	PASS
EGPRS1900	661	VN	50	11.27	0.005993	±2.5	PASS
EGPRS1900	810	VN	-30	2.62	0.001369	±2.5	PASS
EGPRS1900	810	VN	-20	-2.16	-0.001133	±2.5	PASS
EGPRS1900	810	VN	-10	6.10	0.003195	±2.5	PASS
EGPRS1900	810	VN	0	-1.10	-0.000575	±2.5	PASS
EGPRS1900	810	VN	10	7.65	0.004007	±2.5	PASS
EGPRS1900	810	VN	20	12.69	0.006644	±2.5	PASS
EGPRS1900	810	VN	30	8.88	0.004649	±2.5	PASS
EGPRS1900	810	VN	40	17.63	0.009230	±2.5	PASS
EGPRS1900	810	VN	50	6.75	0.003533	±2.5	PASS

The End

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