



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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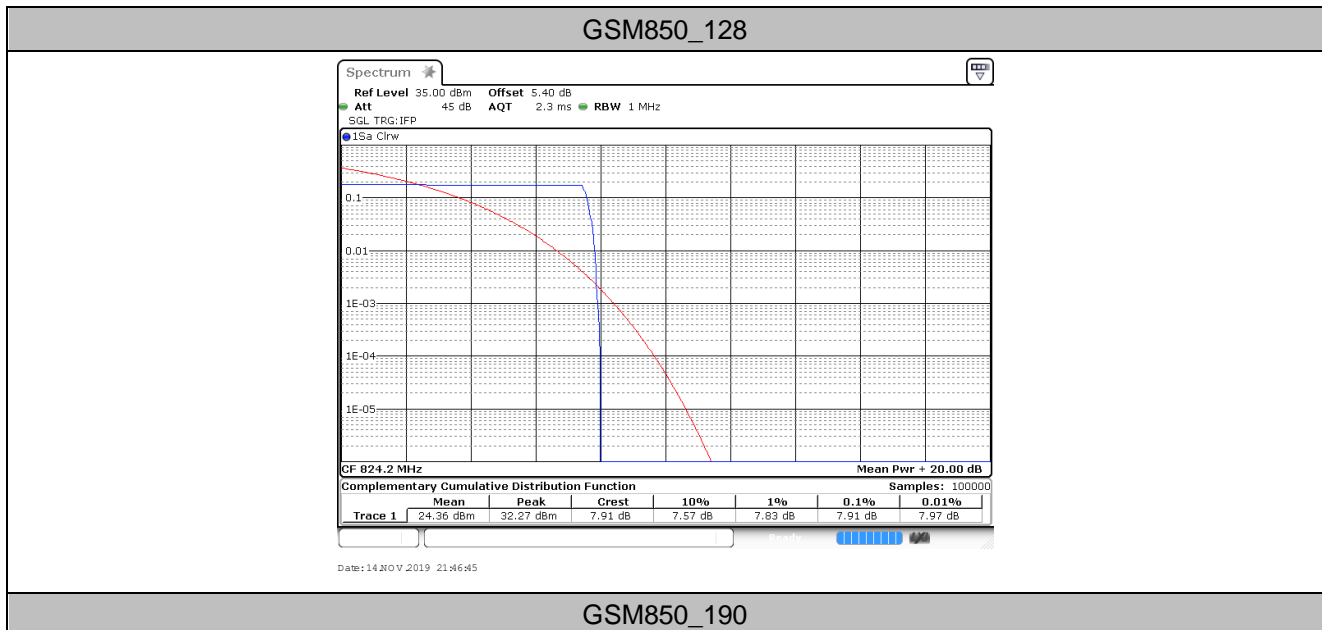


2. Peak-to-Average Ratio

2.1. Test Result

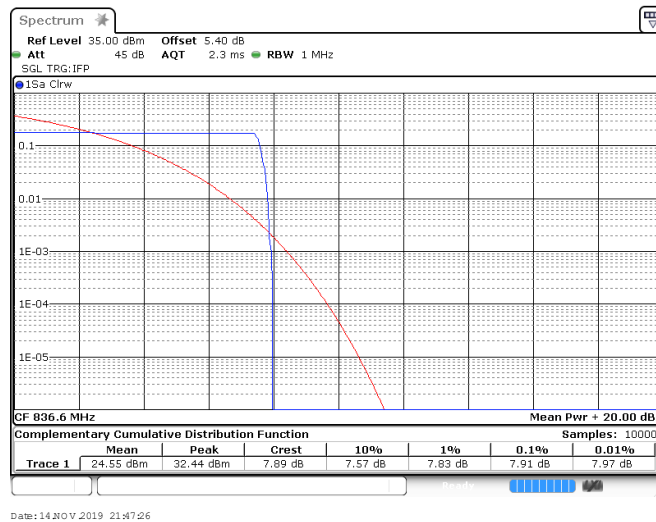
Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
GSM850	128	7.91	13	PASS
GSM850	190	7.91	13	PASS
GSM850	251	7.88	13	PASS
EGPRS850	128	10.29	13	PASS
EGPRS850	190	10.41	13	PASS
EGPRS850	251	10.61	13	PASS
GSM1900	512	7.77	13	PASS
GSM1900	661	7.74	13	PASS
GSM1900	810	7.74	13	PASS
EGPRS1900	512	10.64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

2.2. Part II - Test Plots



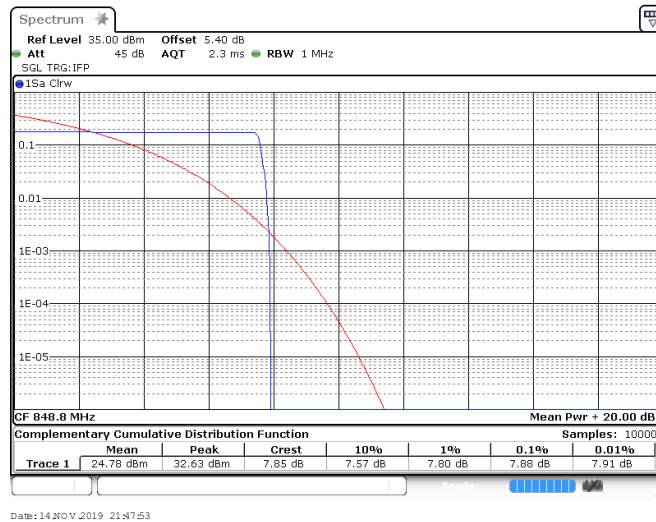
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Date: 14 NOV 2019 21:47:26

GSM850_251

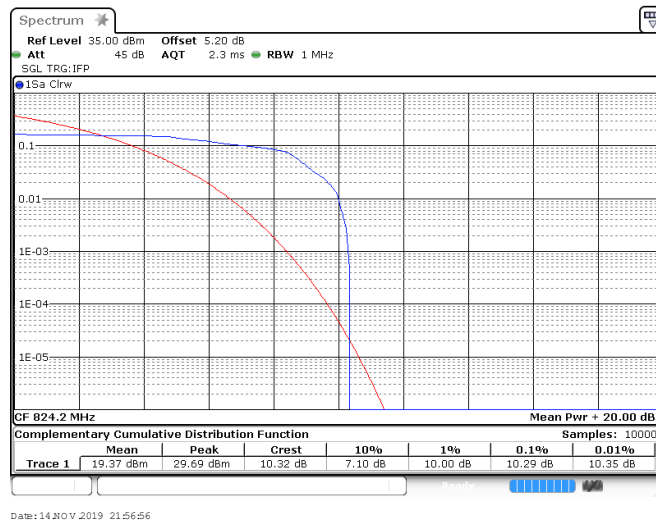


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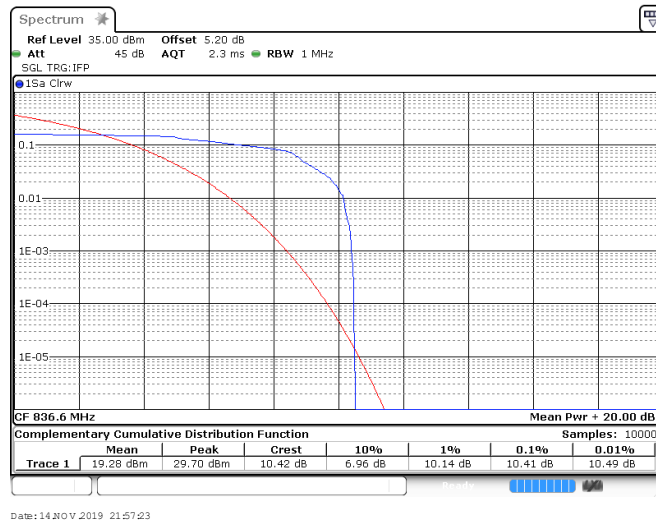
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EGPRS850_190

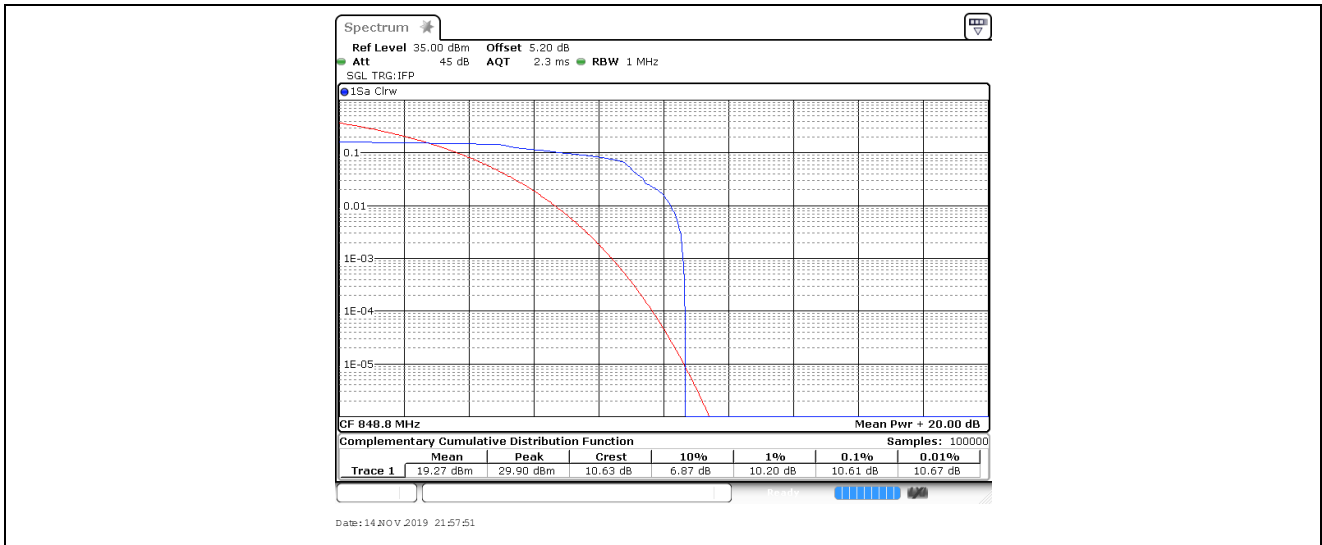


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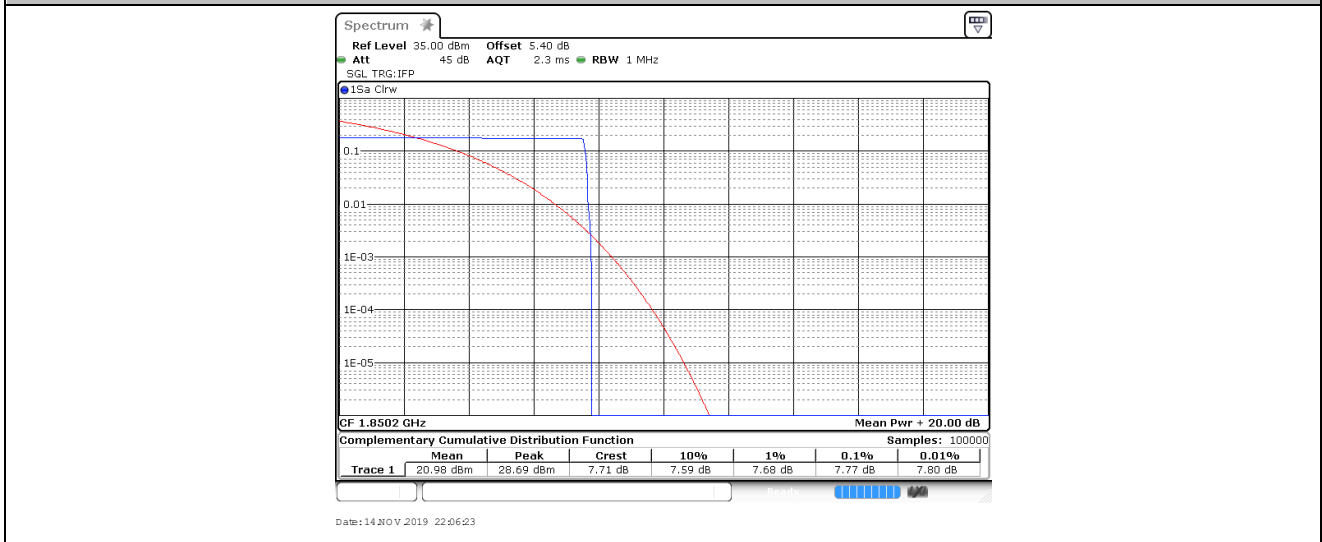


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GSM1900_512

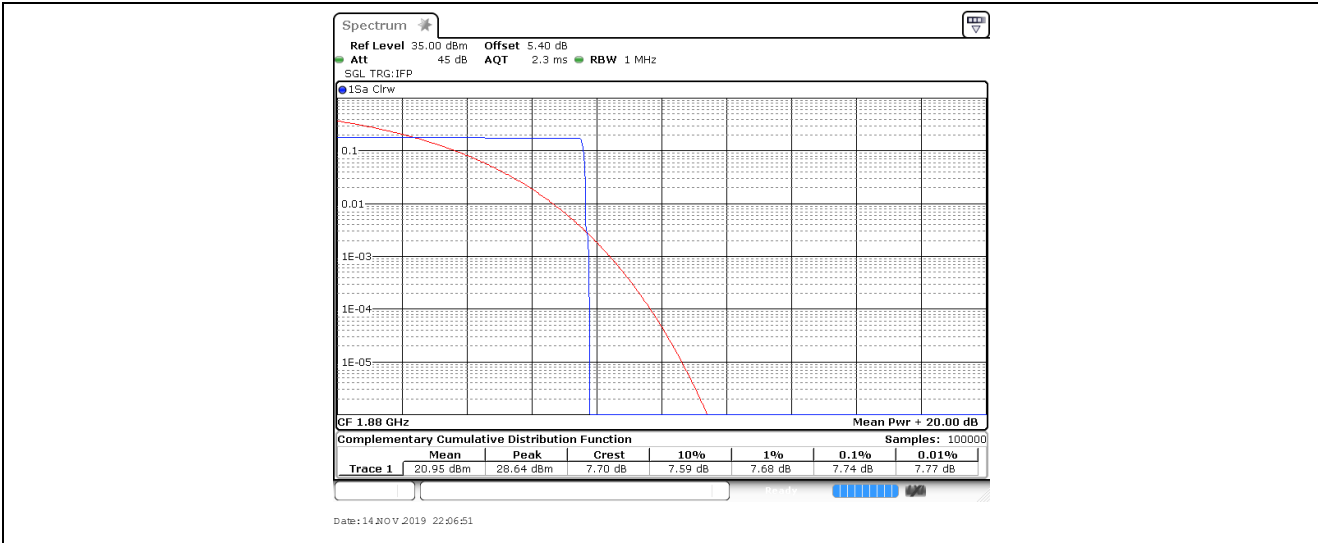


GSM1900_661

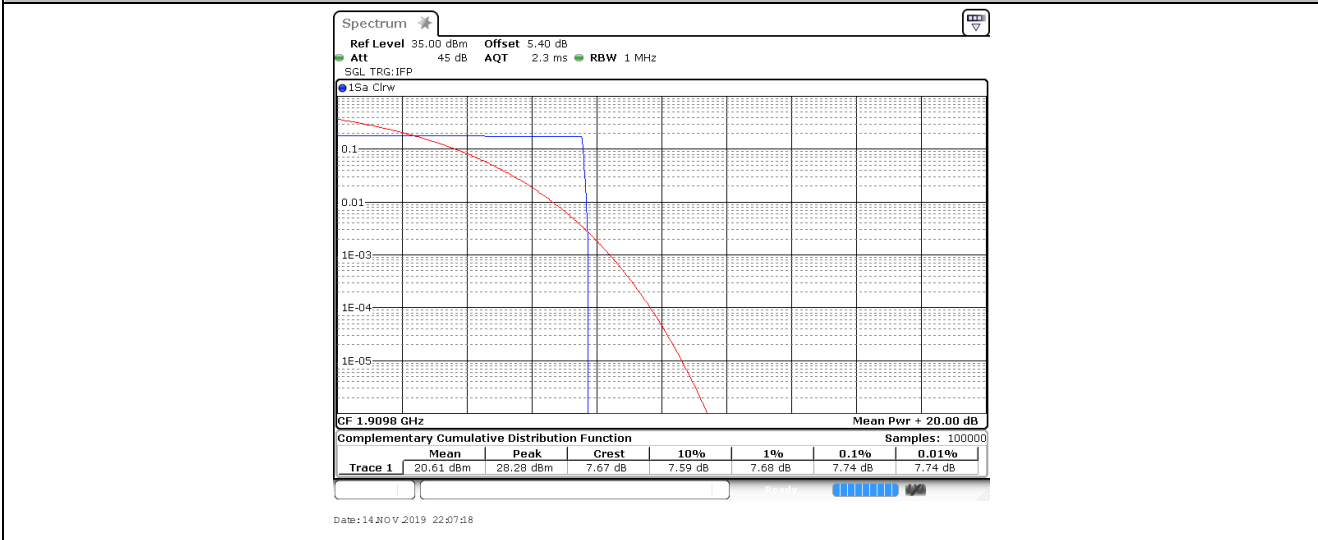


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GSM1900_810

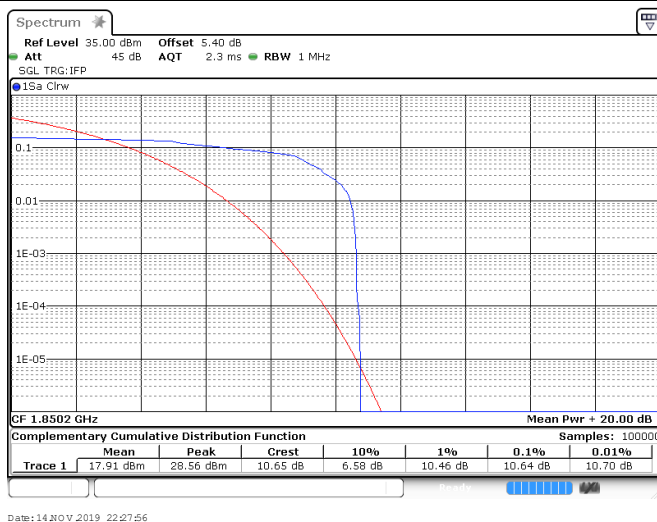


EGPRS1900_512

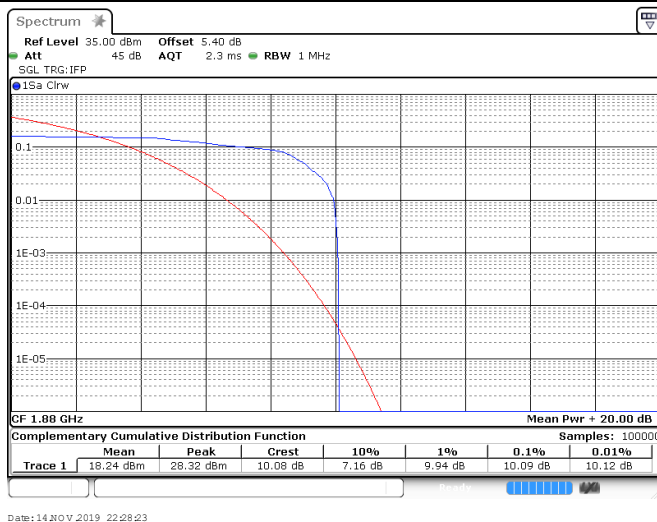


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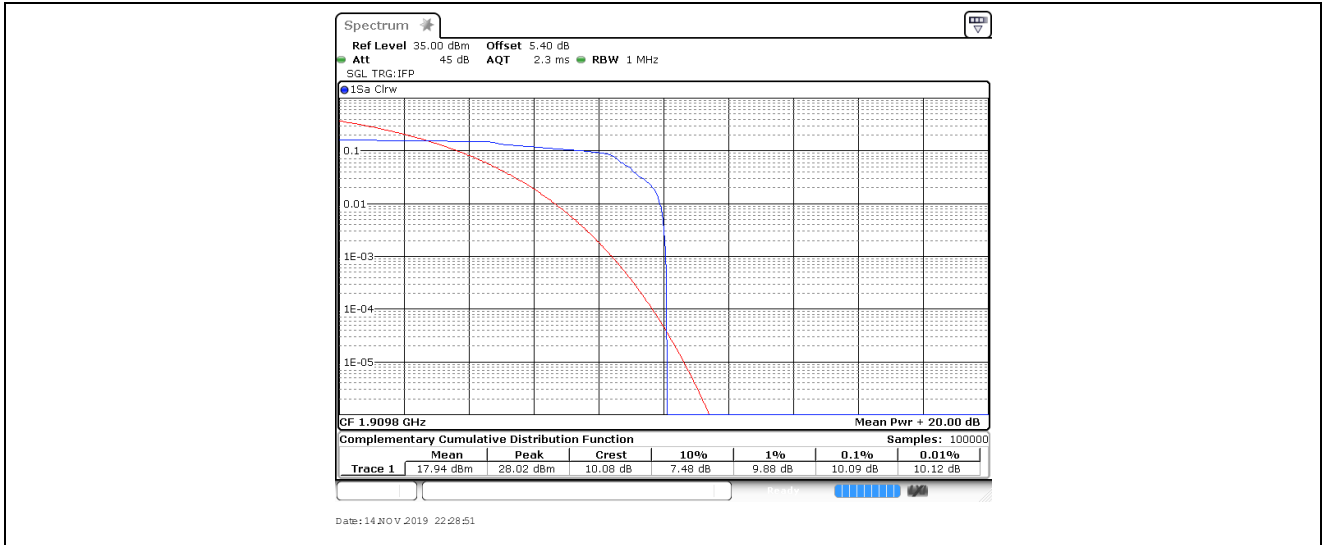
EGPRS1900_661



EGPRS1900_810



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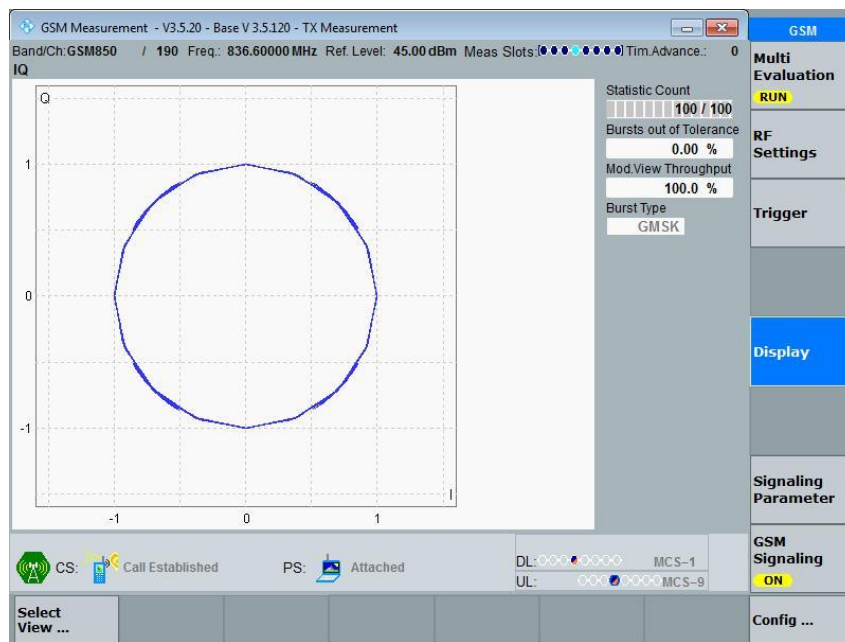
3. Modulation Characteristics

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

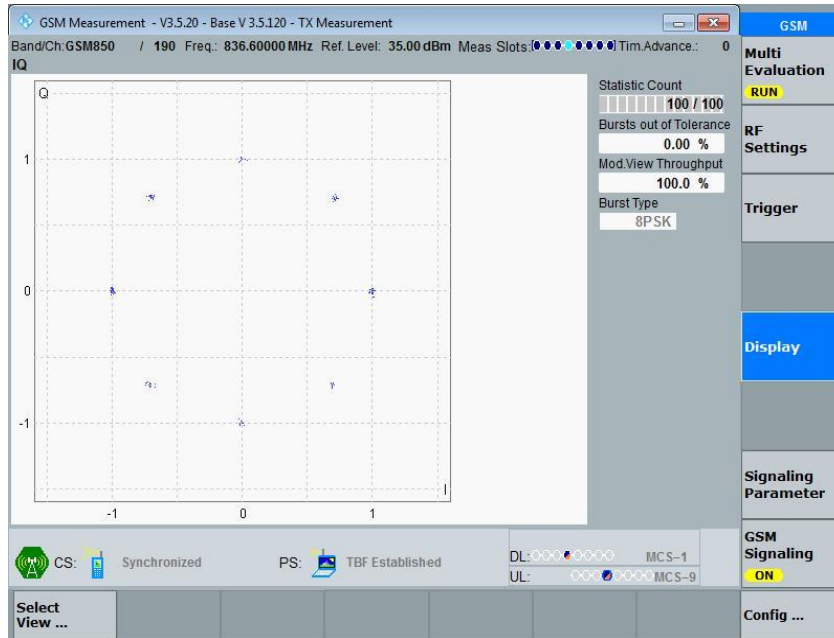


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3.1.1.2. Test Mode = GSM/TM2

3.1.1.2.1. Test Channel = MCH



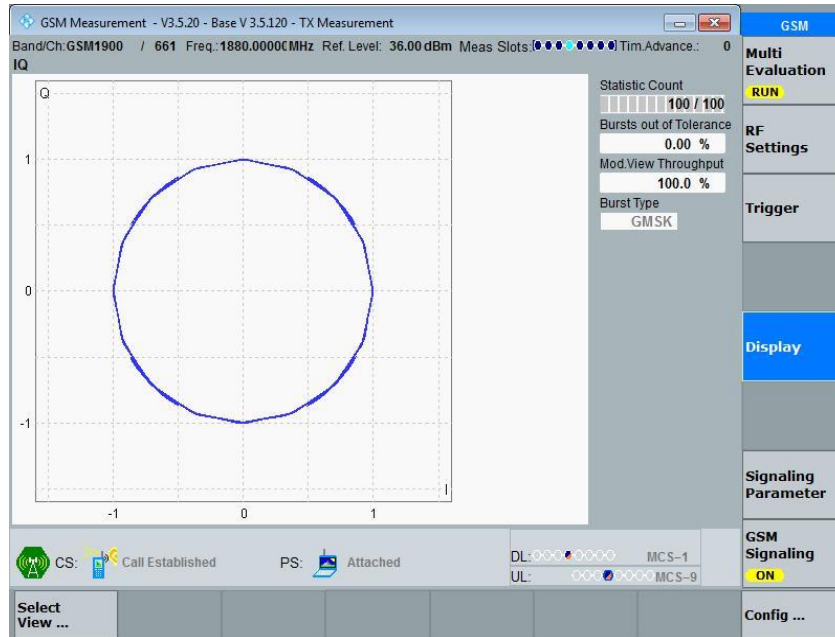
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3.1.2. Test Band = GSM 1900

3.1.2.1. Test Mode = GSM/TM1

3.1.2.1.1. Test Channel = MCH

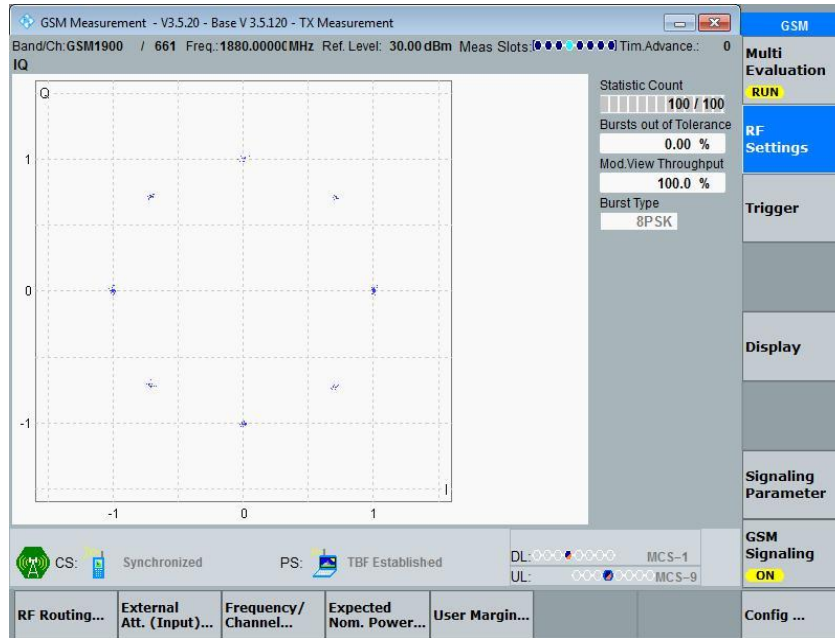


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3.1.2.2. Test Mode = GSM/TM2

3.1.2.2.1. Test Channel = MCH



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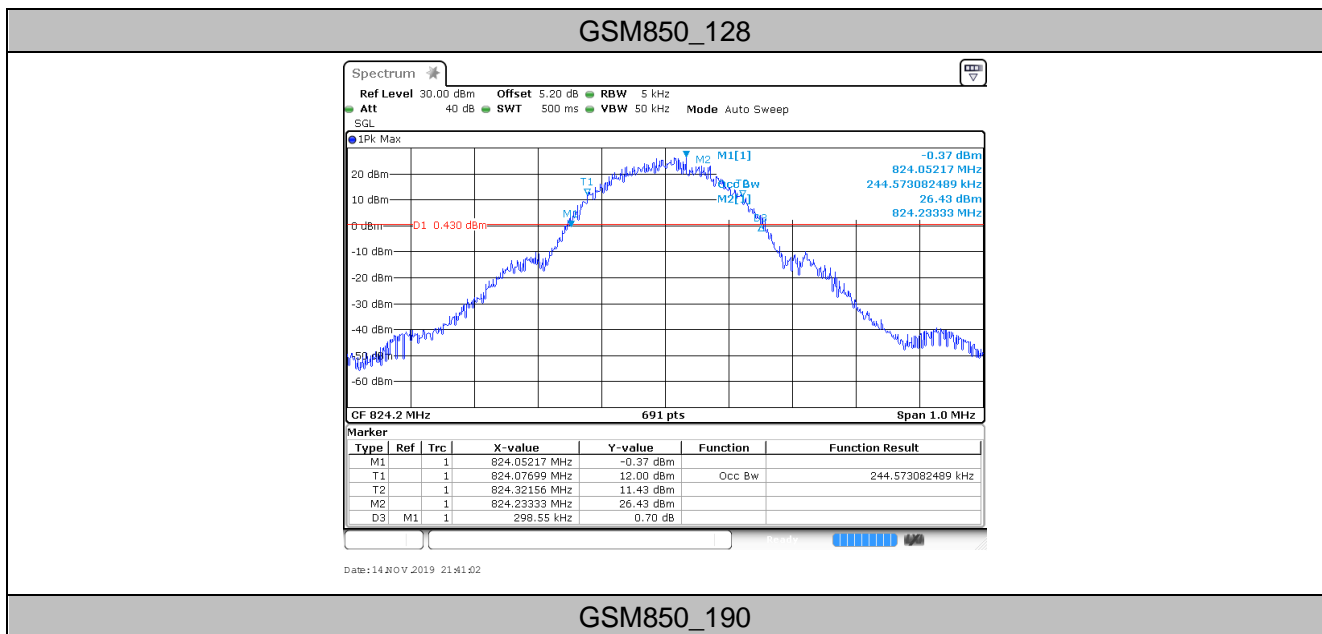
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4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

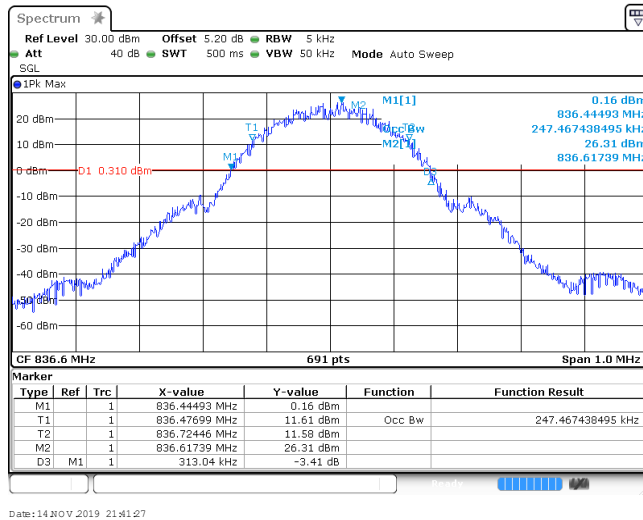
Band	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
GSM850	128	244.57	298.55	---	PASS
GSM850	190	247.47	313.04	---	PASS
GSM850	251	247.47	304.35	---	PASS
EGPRS850	128	250.36	304.35	---	PASS
EGPRS850	190	247.47	298.55	---	PASS
EGPRS850	251	246.02	291.30	---	PASS
GSM1900	512	243.13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

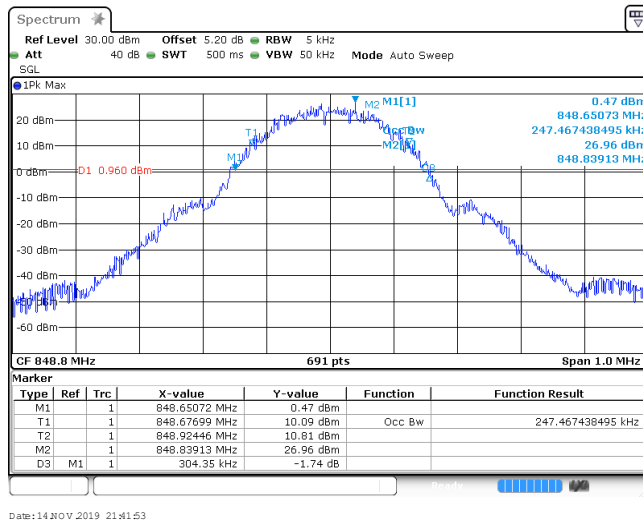


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GSM850_251

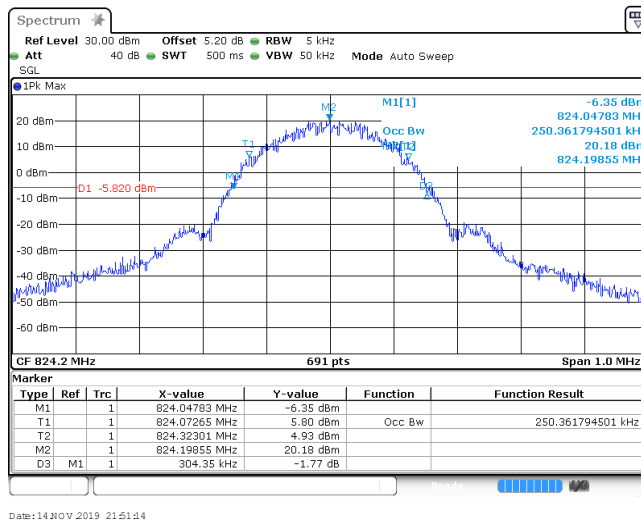


EGPRS850_128



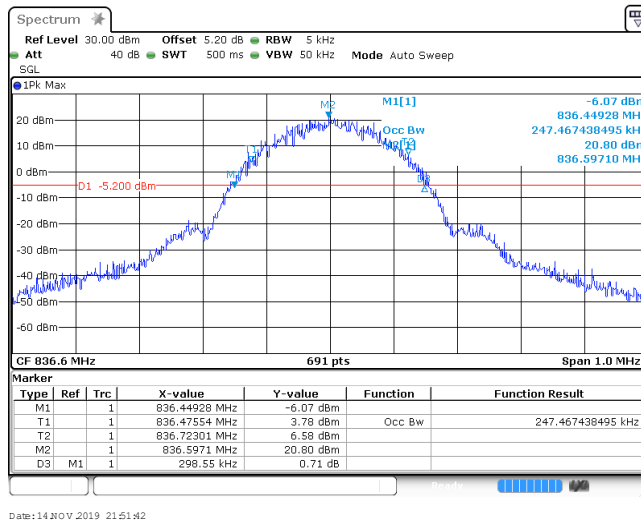
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Date: 14 NOV 2019 21:51:14

EGPRS850_190

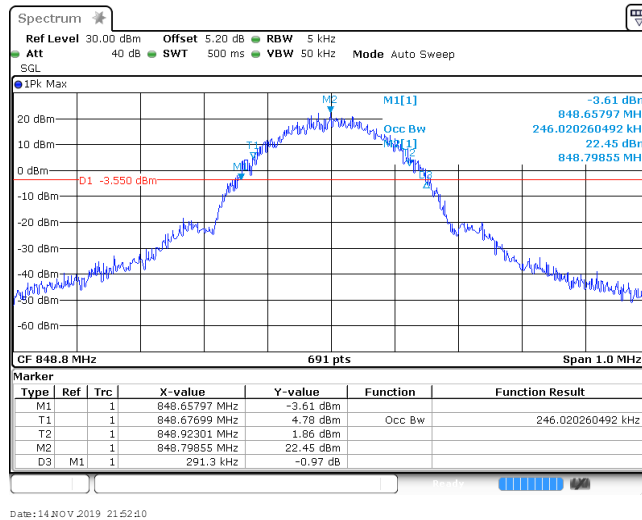


Date: 14 NOV 2019 21:51:42

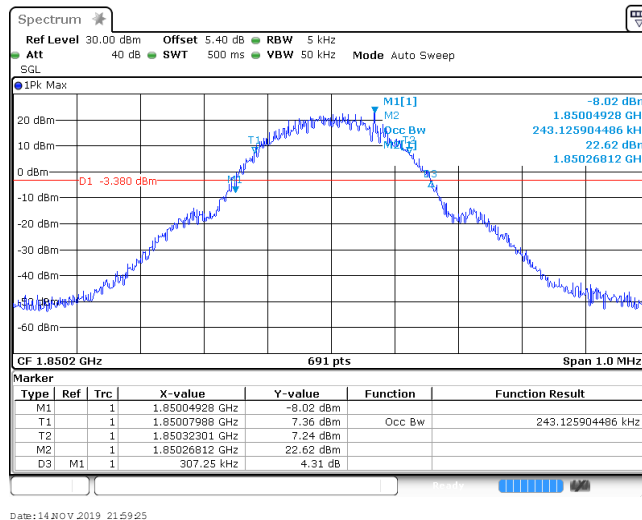
EGPRS850_251



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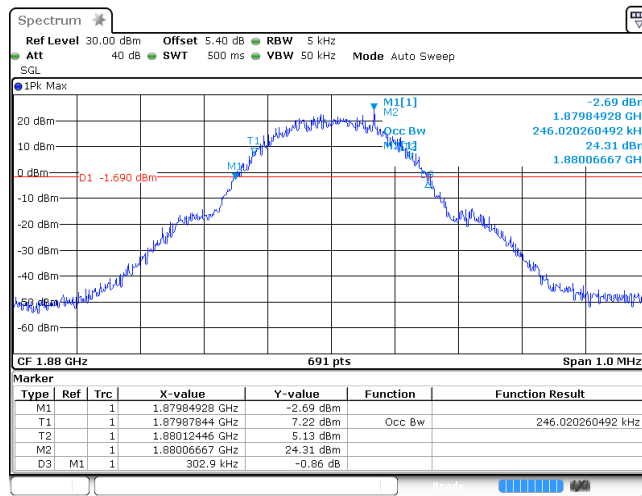
GSM1900_512



GSM1900_661

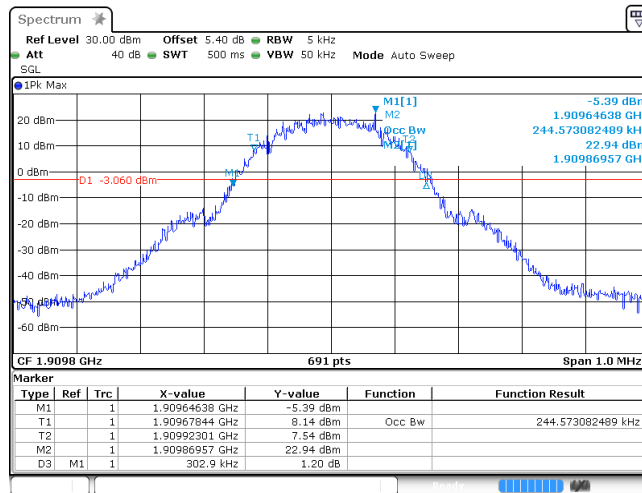


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Date: 14 NOV 2019 21:59:51

GSM1900_810



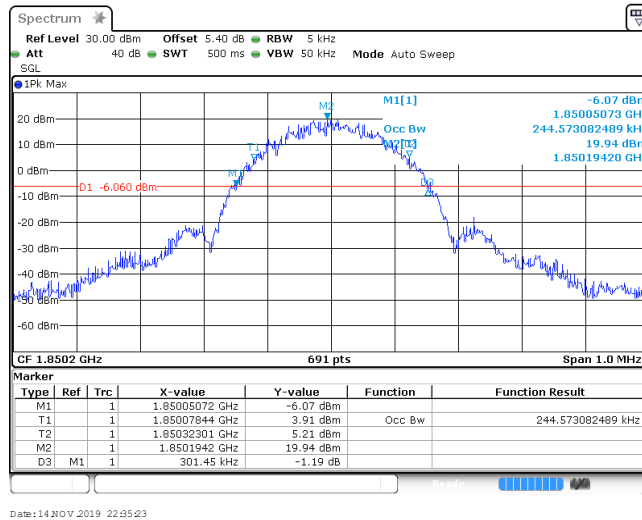
Date: 14 NOV 2019 22:00:16

EGPRS1900_512



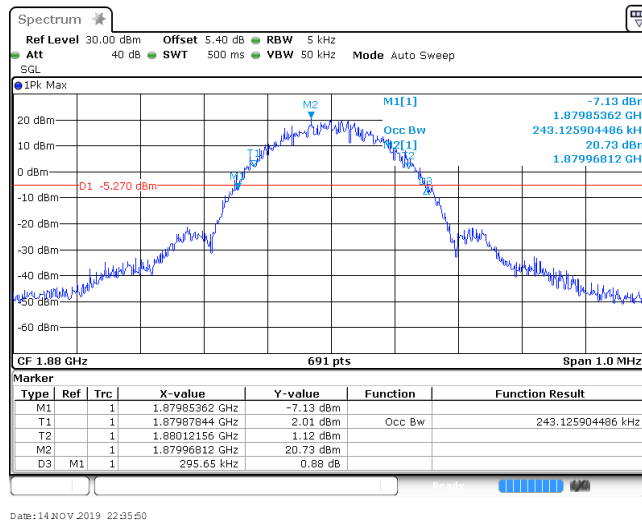
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Date: 14 NOV 2019 22:35:23

EGPRS1900_661



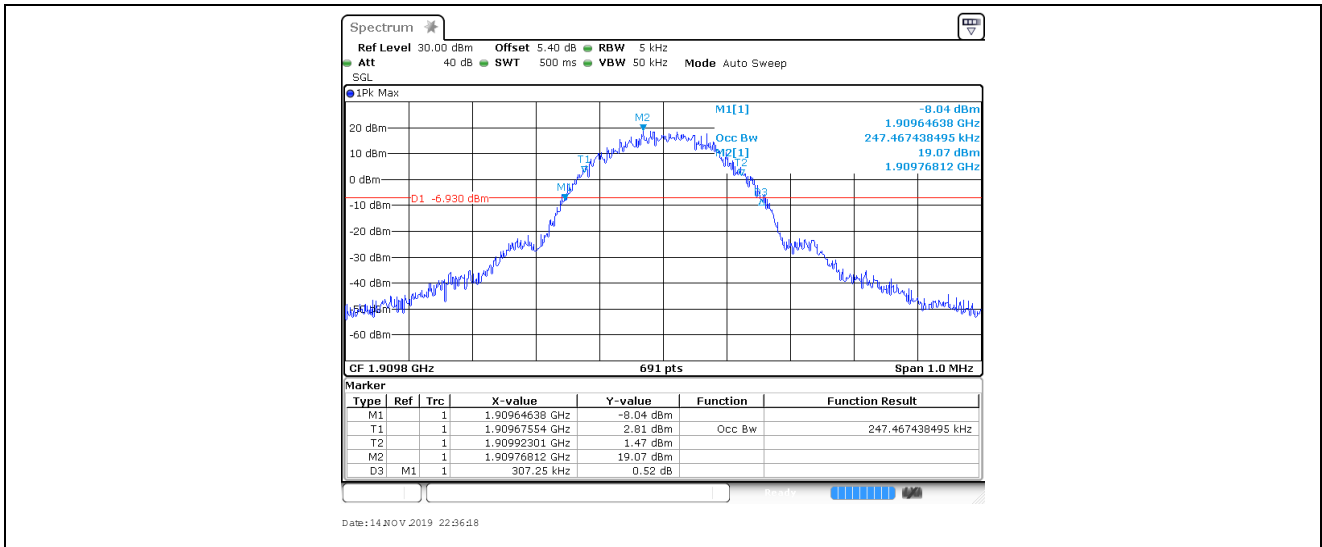
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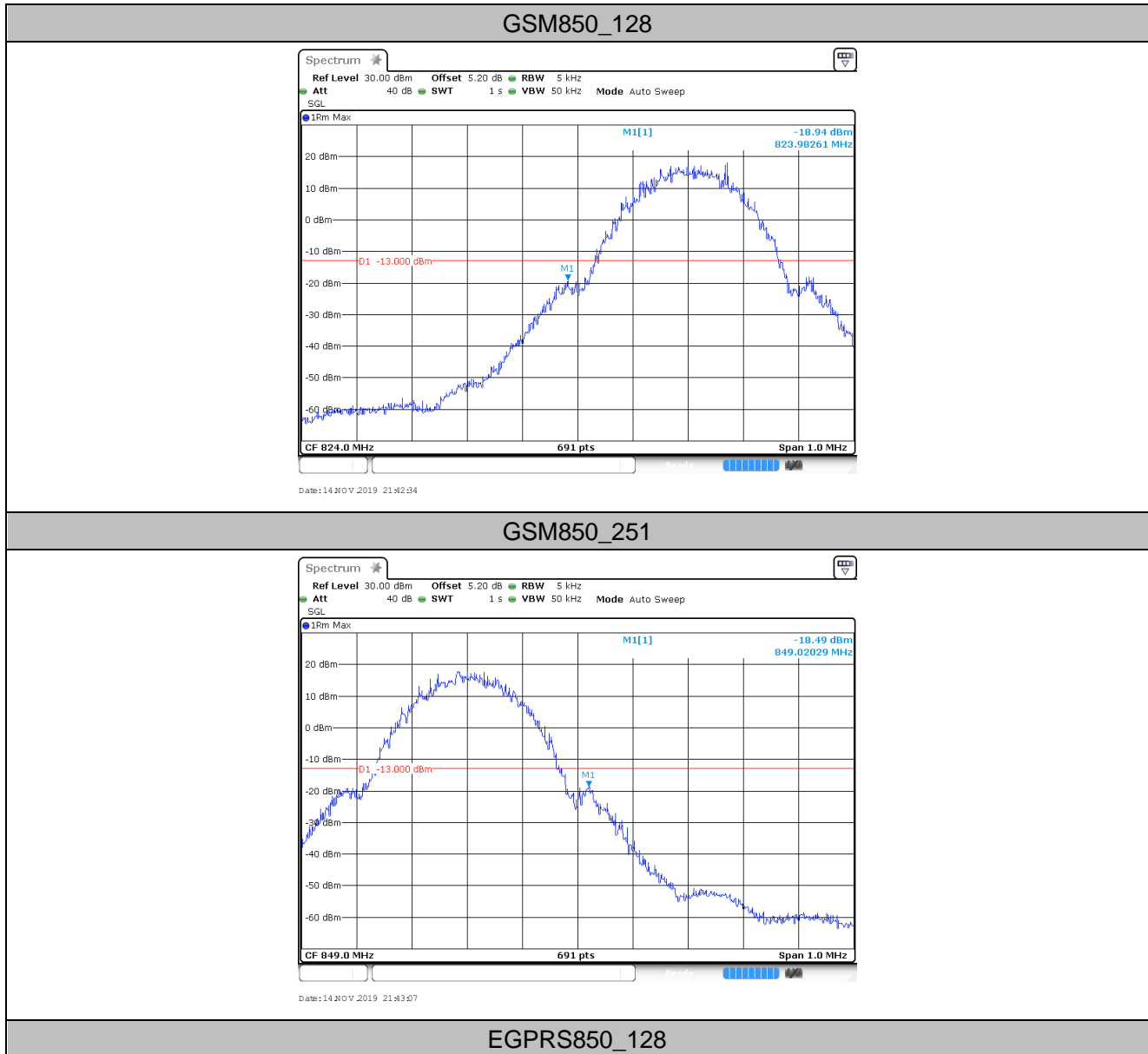


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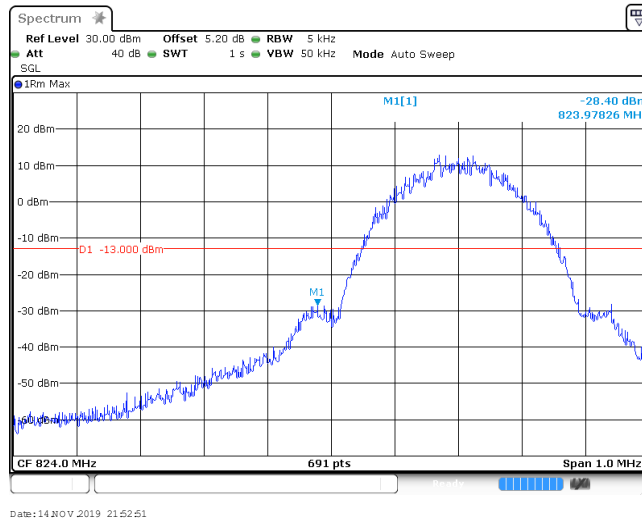
5. Band Edge Compliance

5.1. Test Plots

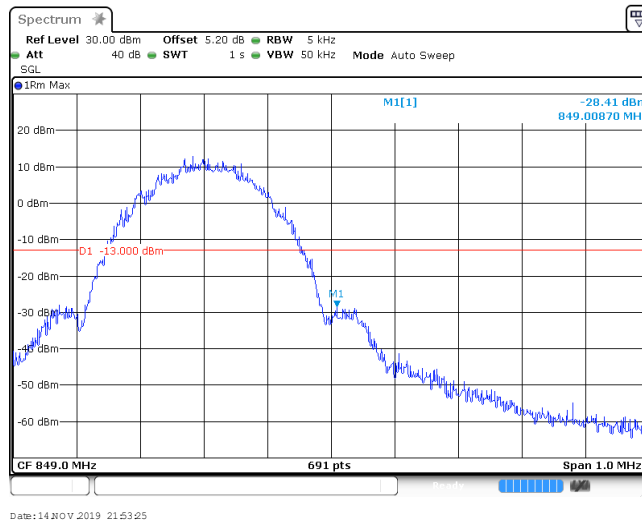


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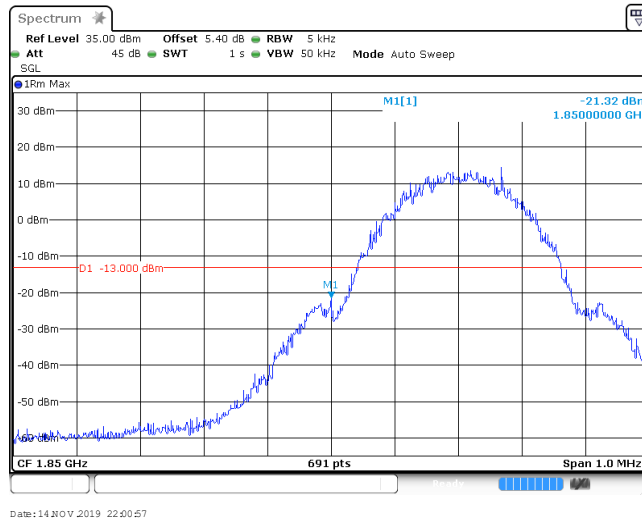


GSM1900_512

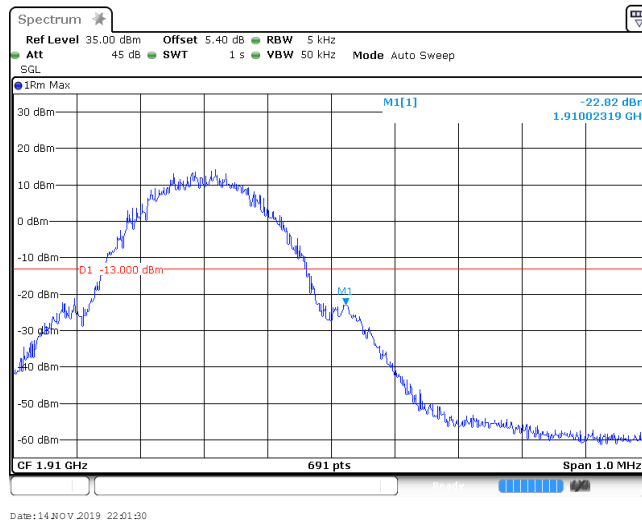


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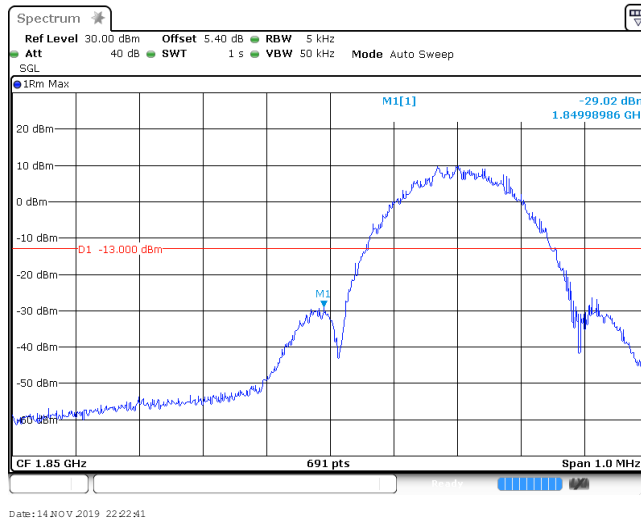


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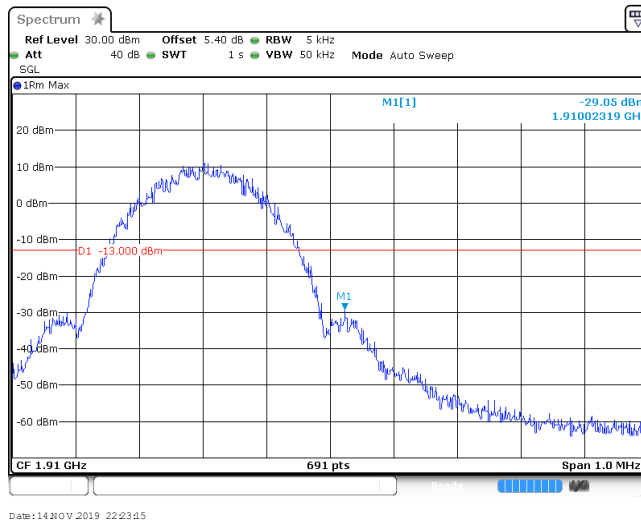


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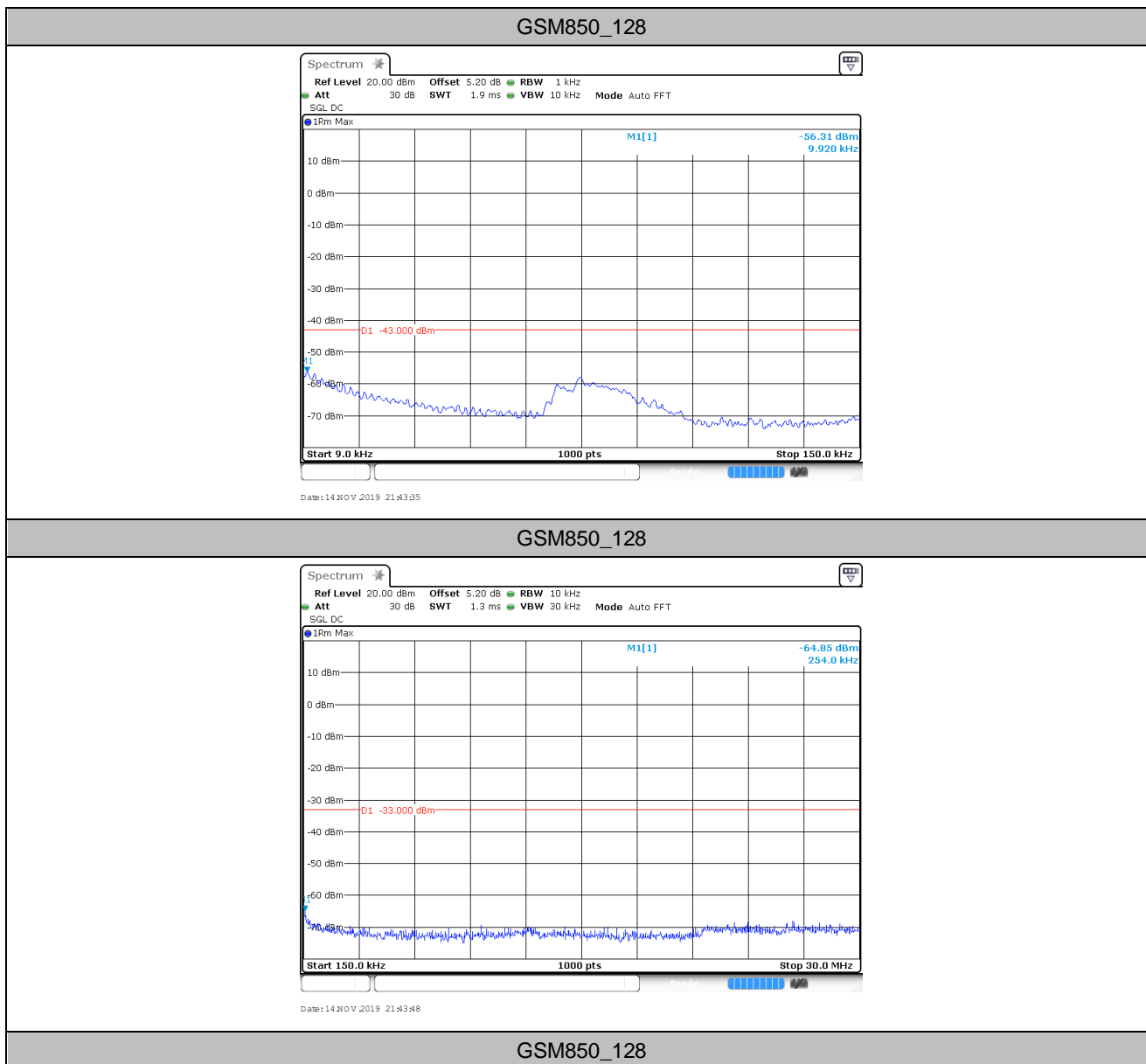
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6. Spurious Emission at Antenna Terminal

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 $< RBW/2$ 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.

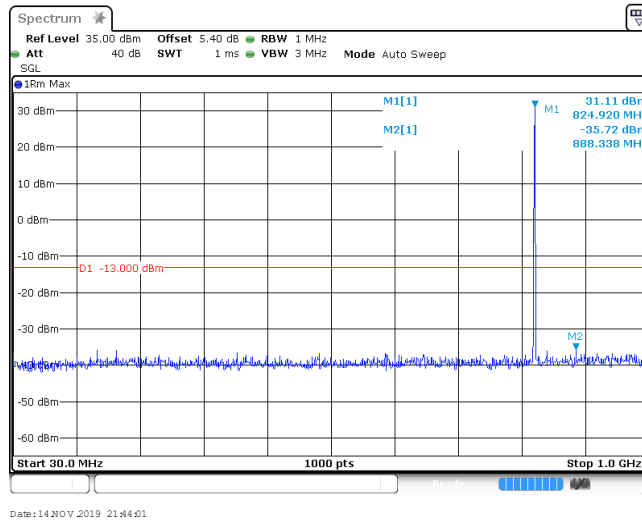
Remark2: only the worst case data displayed in this report.

6.1. Test Plots

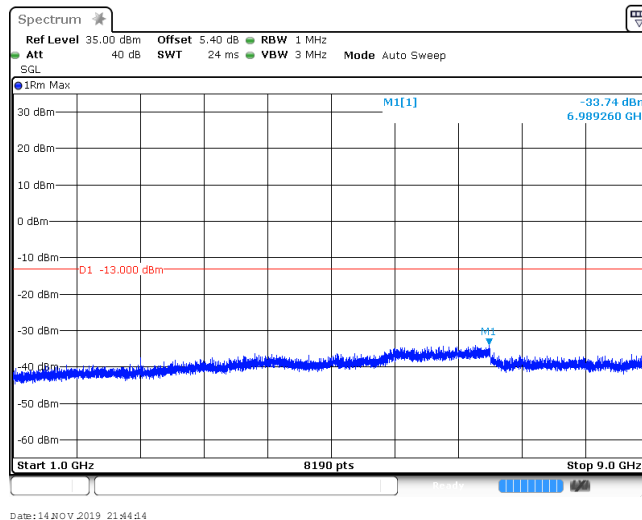


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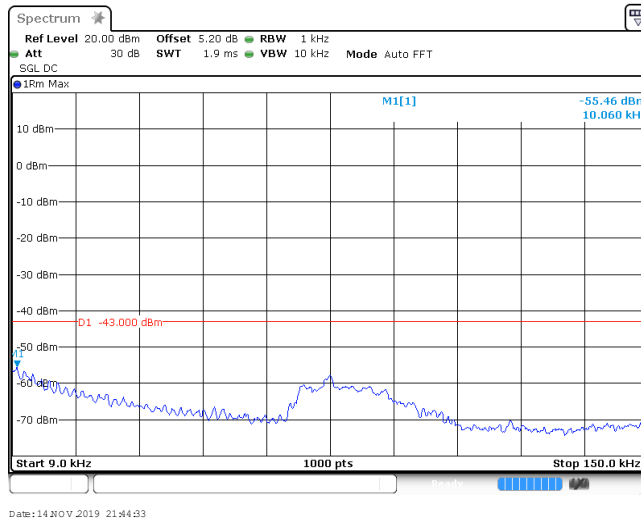


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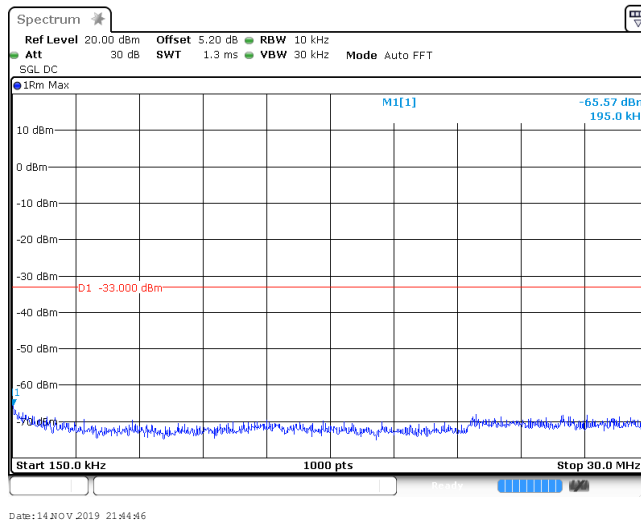


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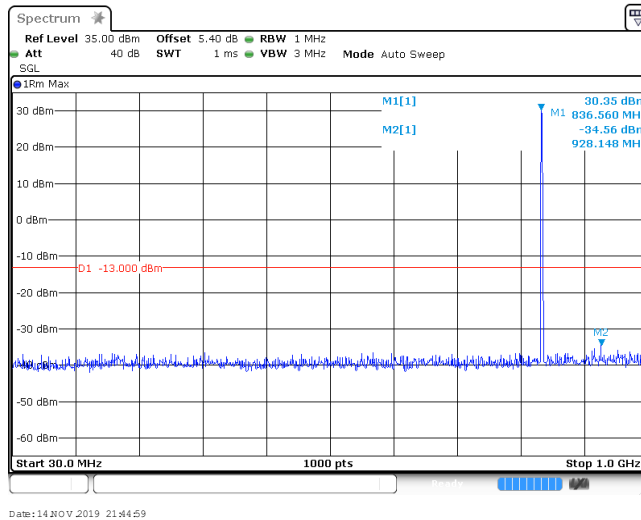


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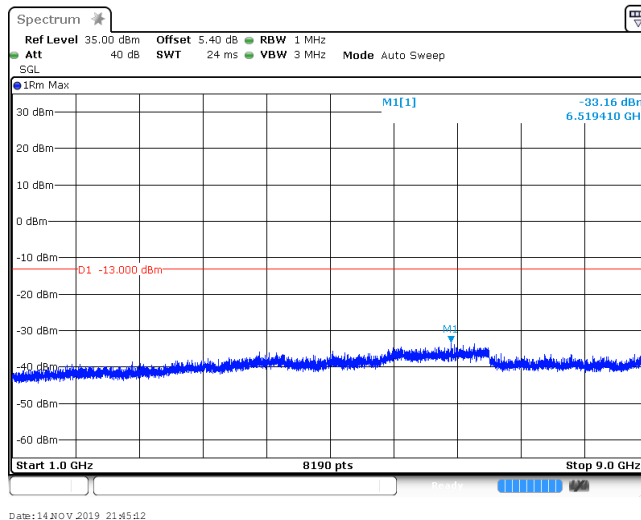


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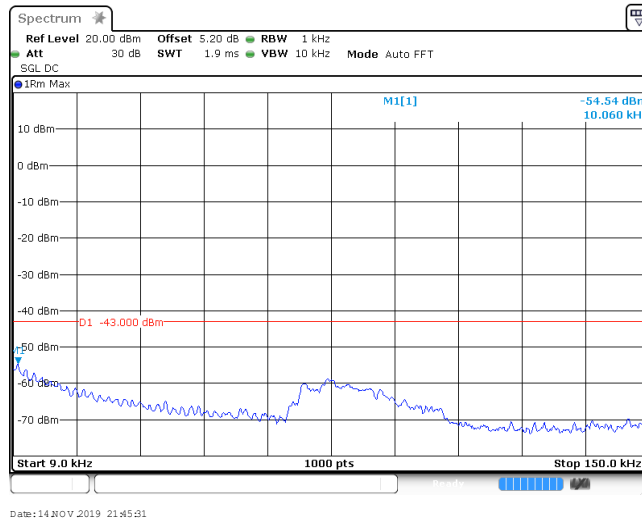
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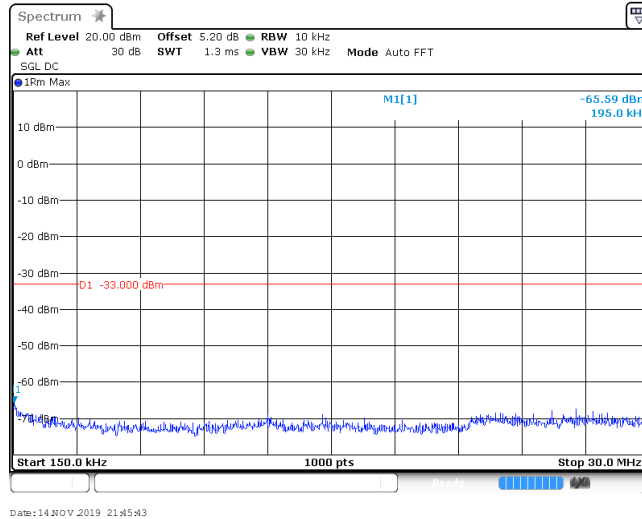
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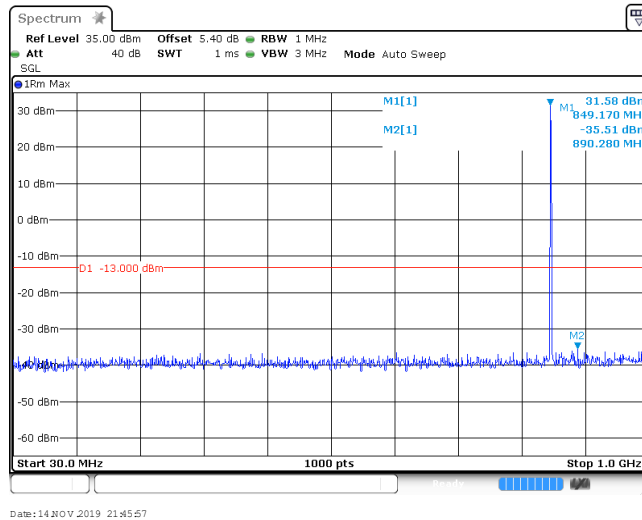
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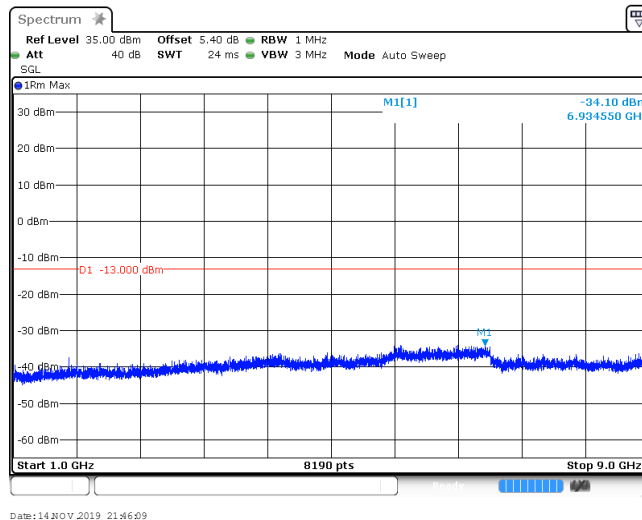
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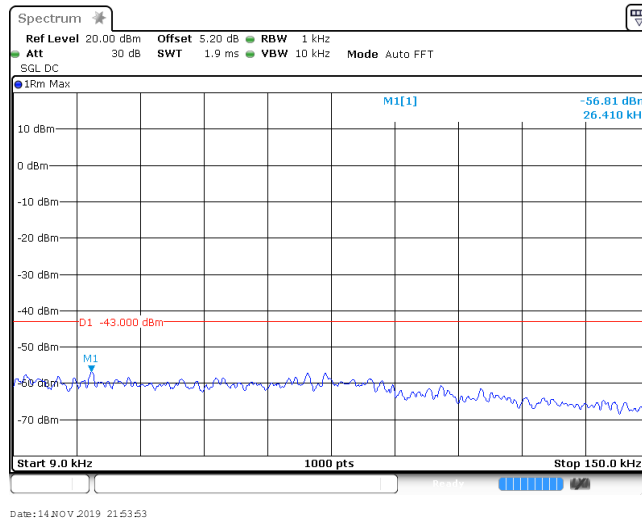


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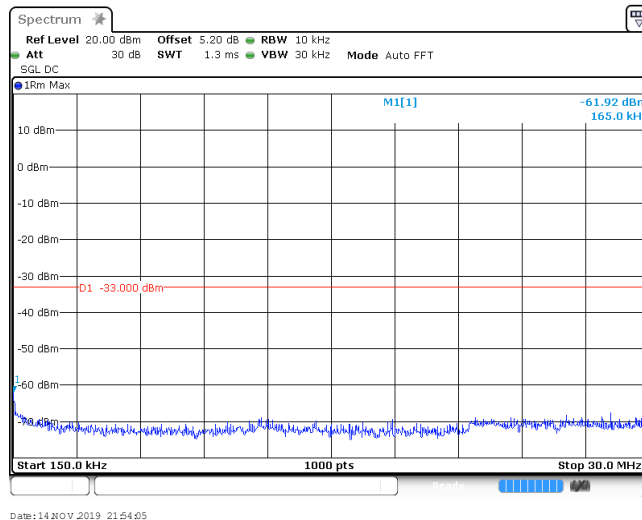


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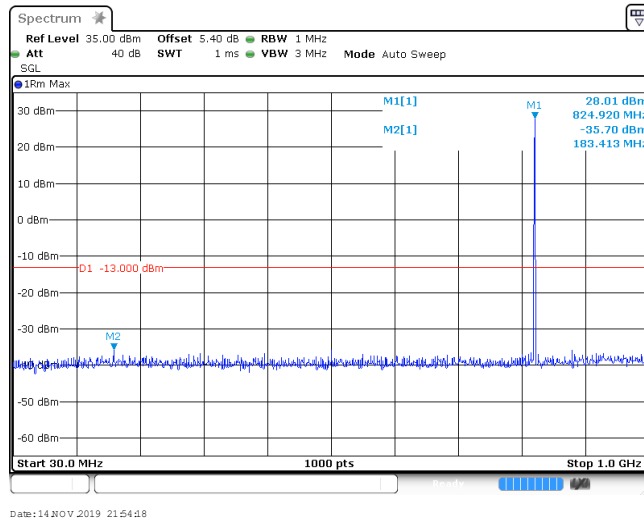


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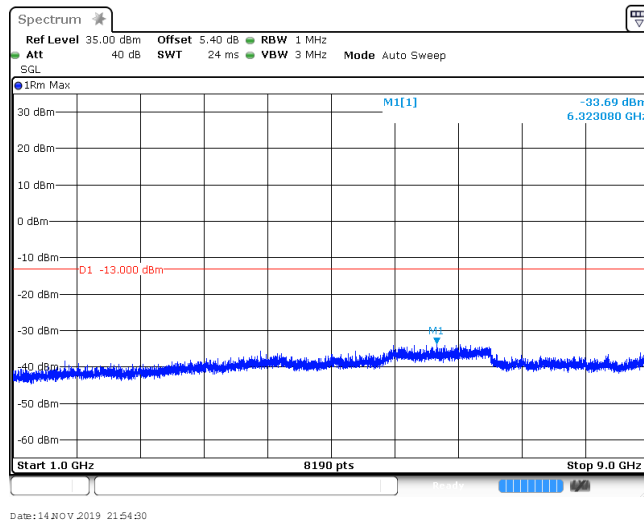
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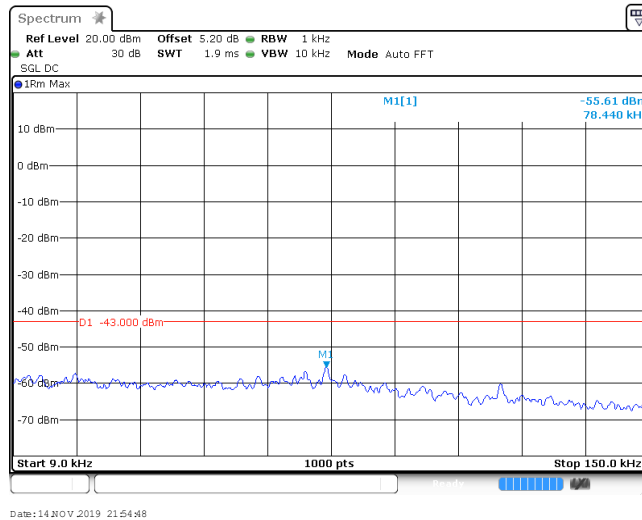
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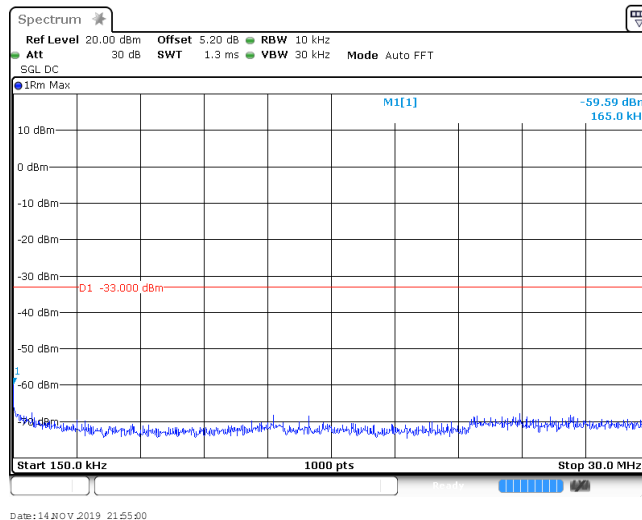


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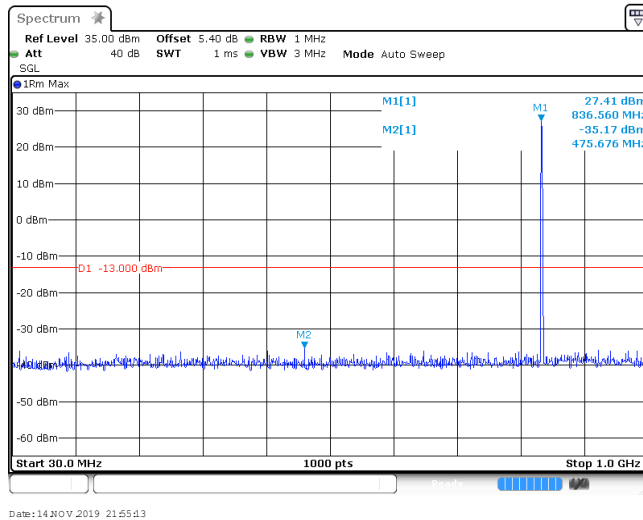


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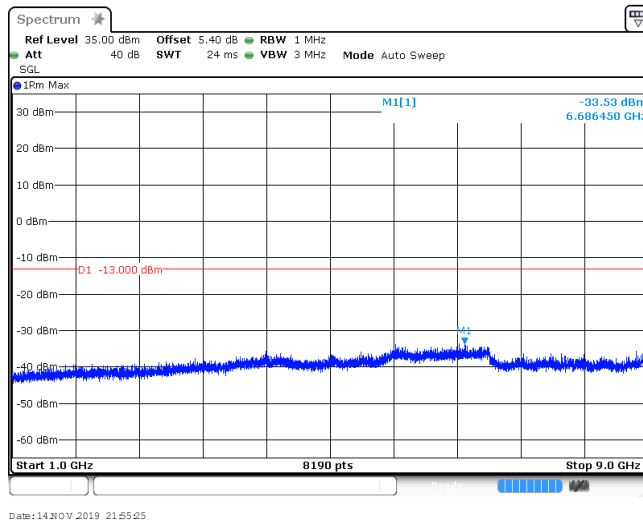
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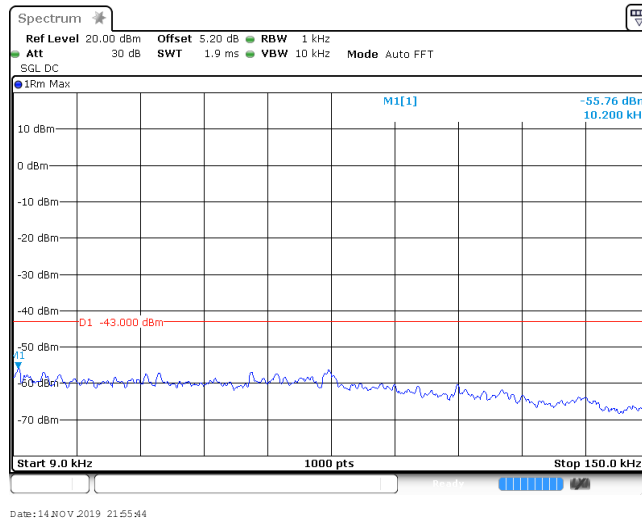


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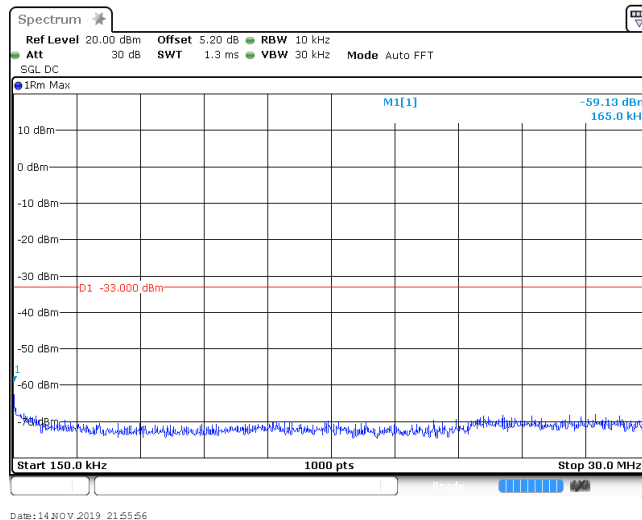
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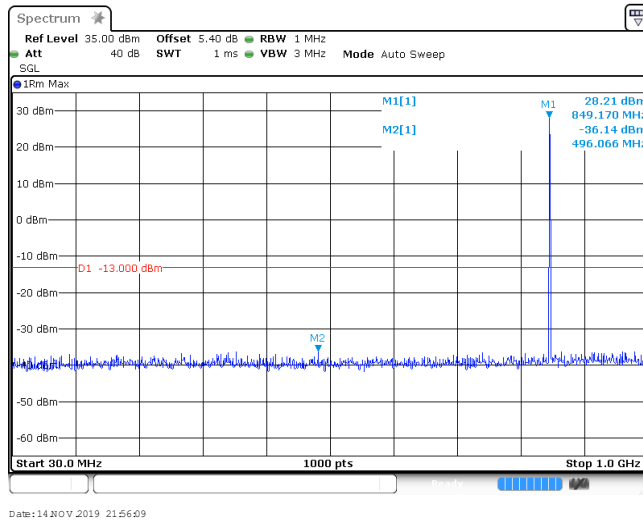


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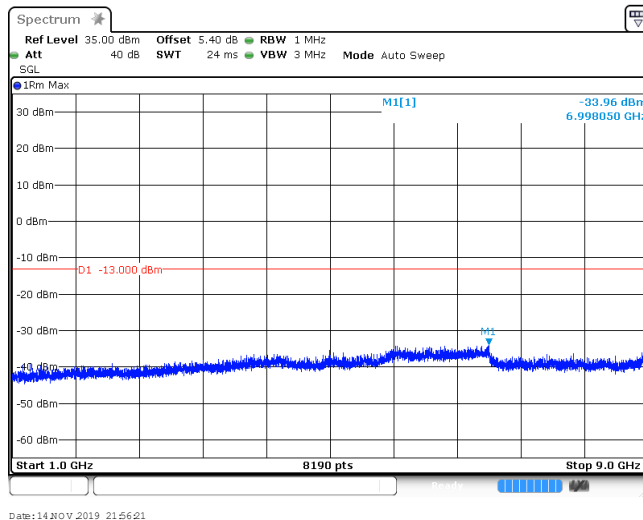


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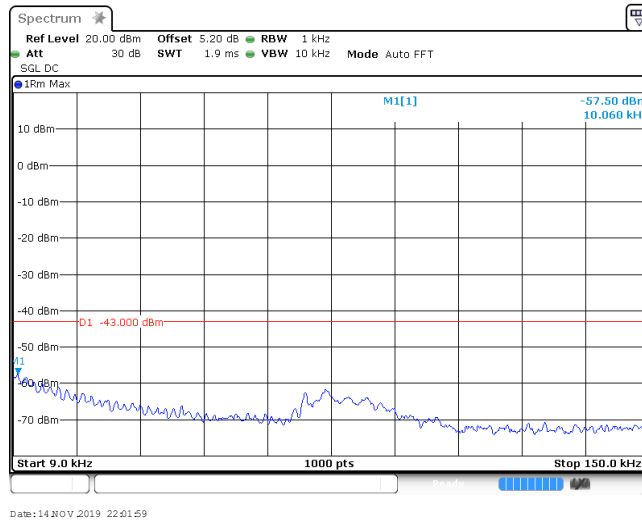


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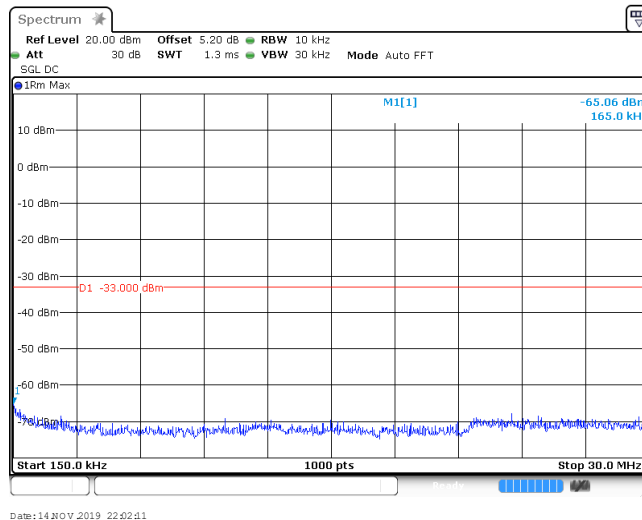


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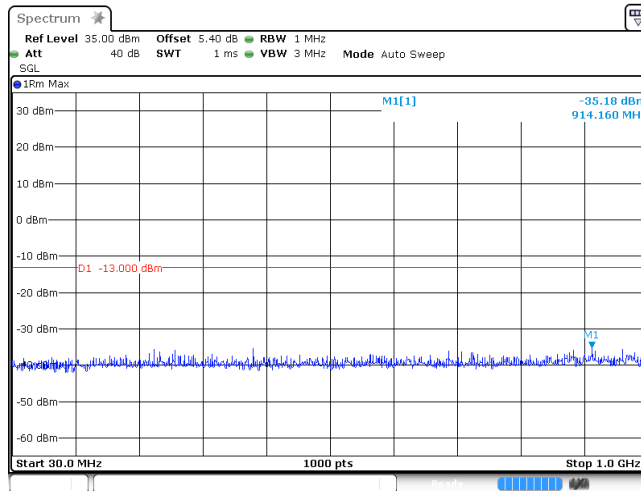


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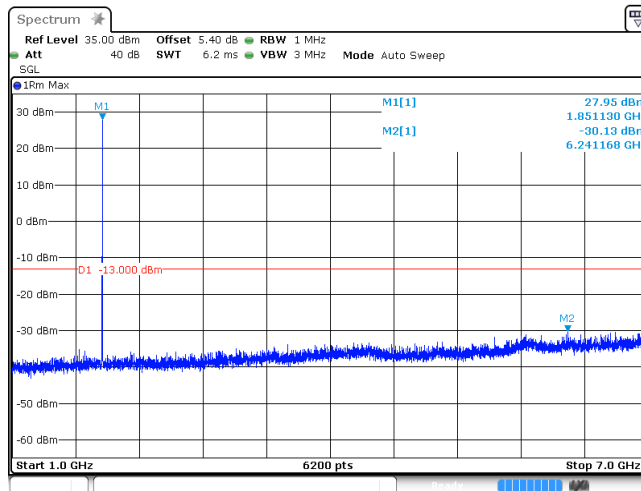
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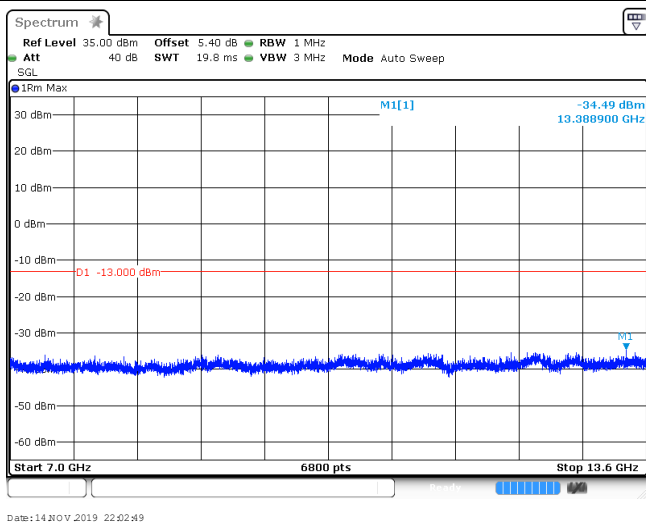
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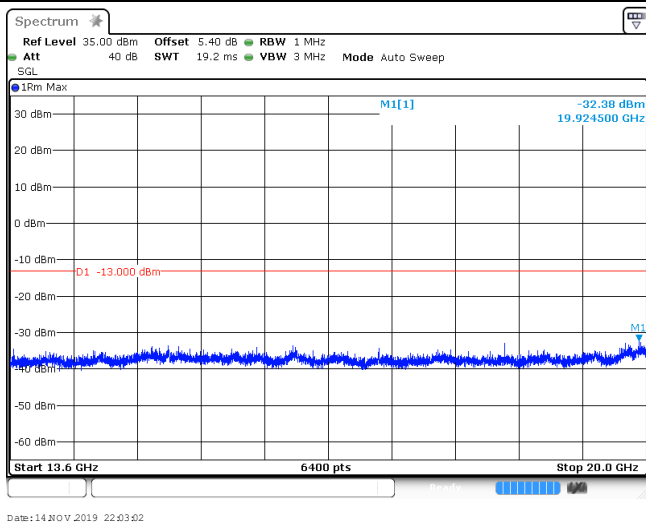


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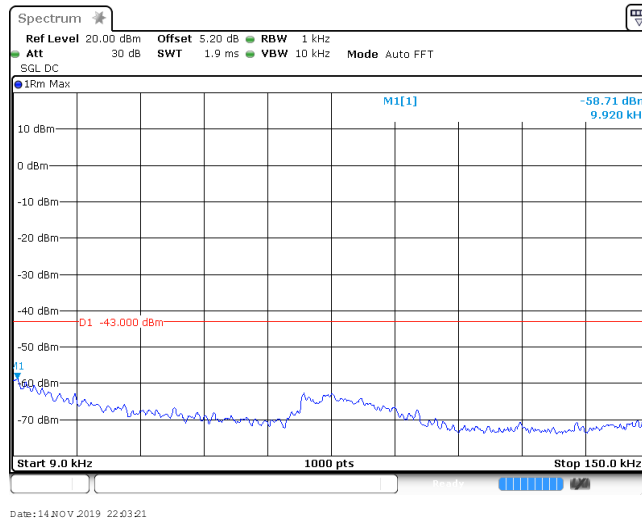
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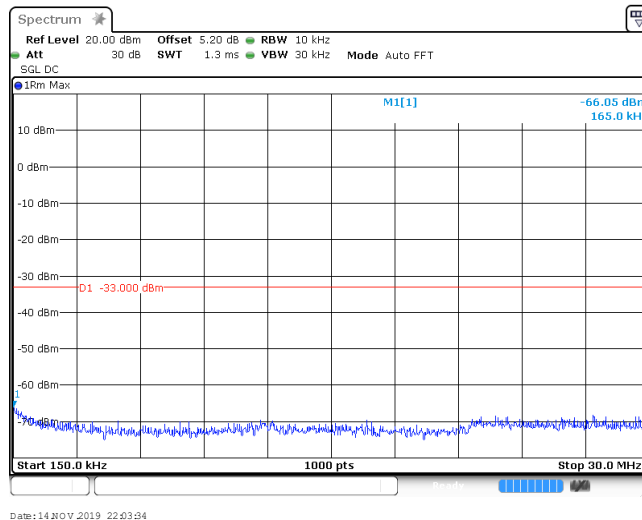
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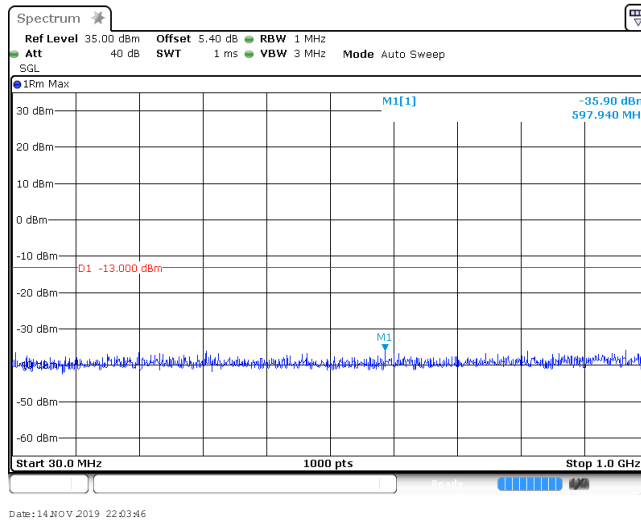


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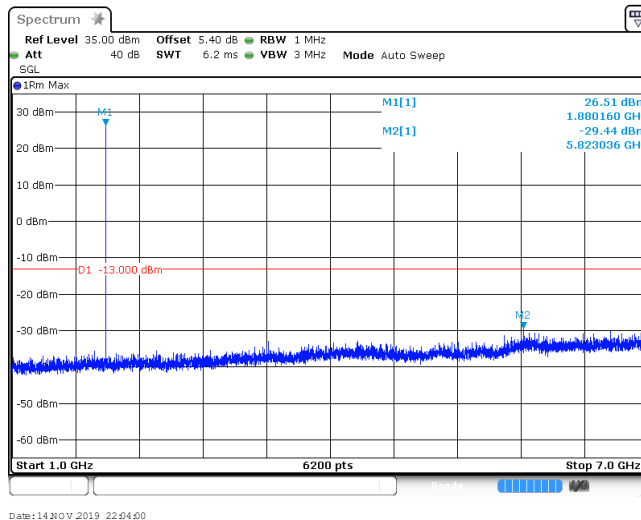


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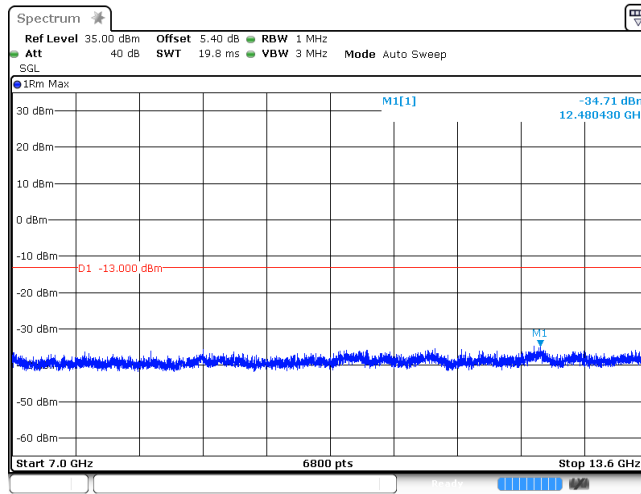


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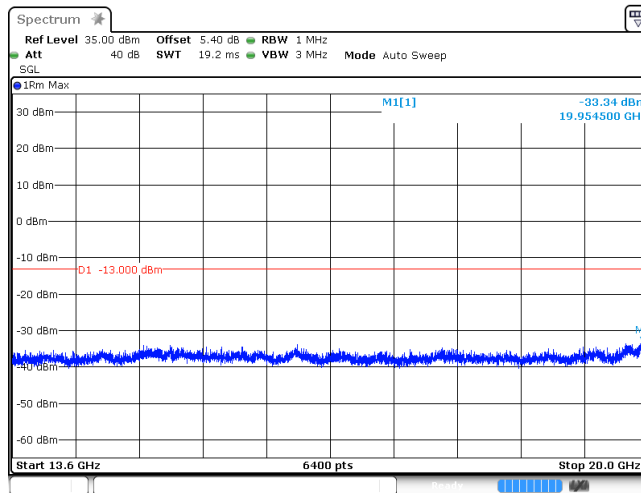
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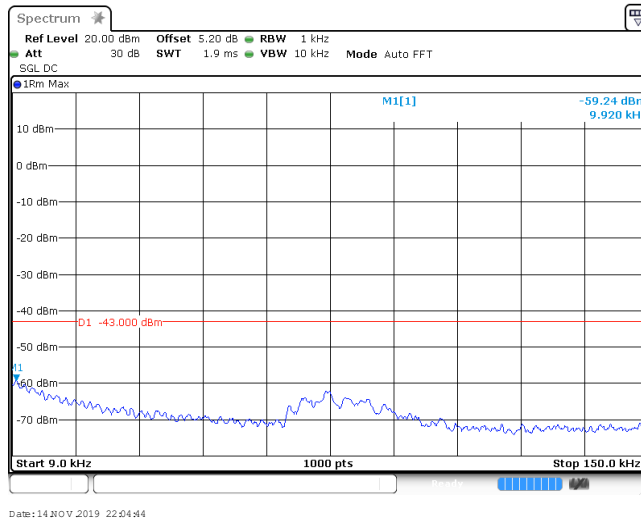


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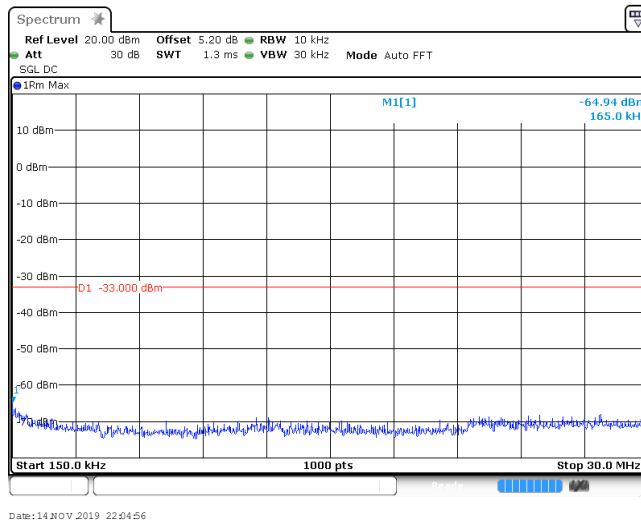
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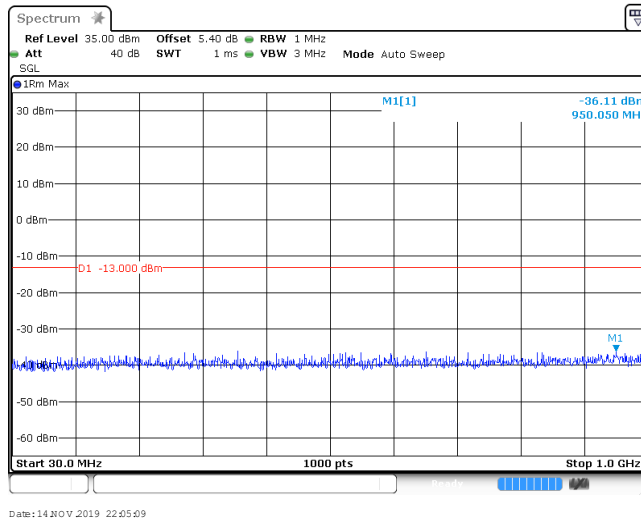


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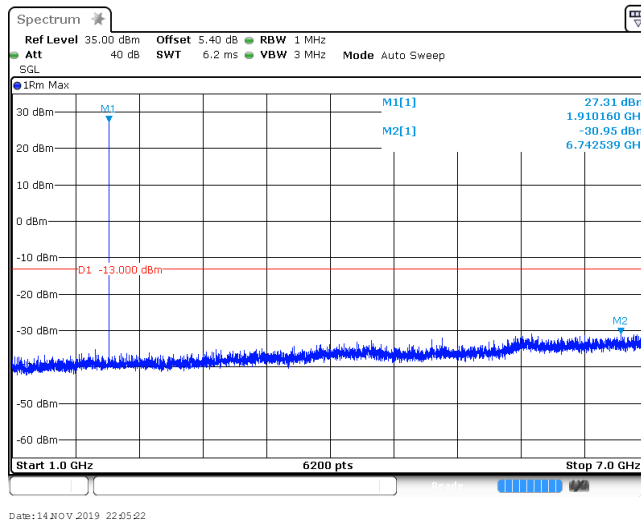


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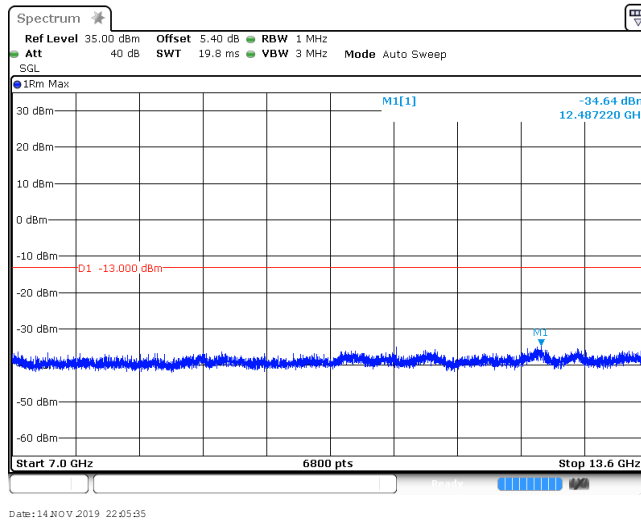


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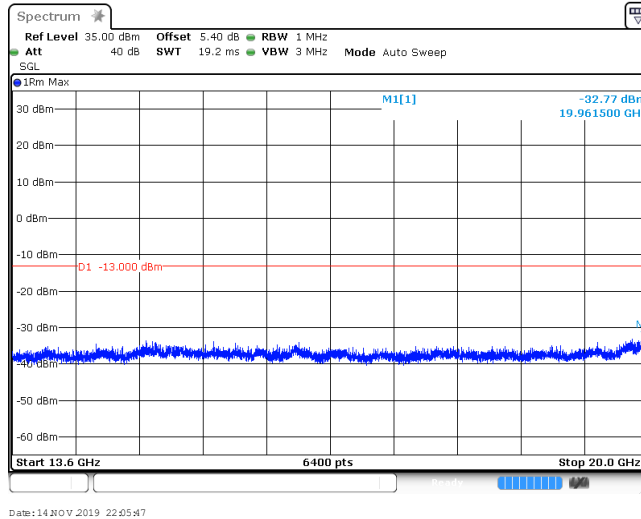
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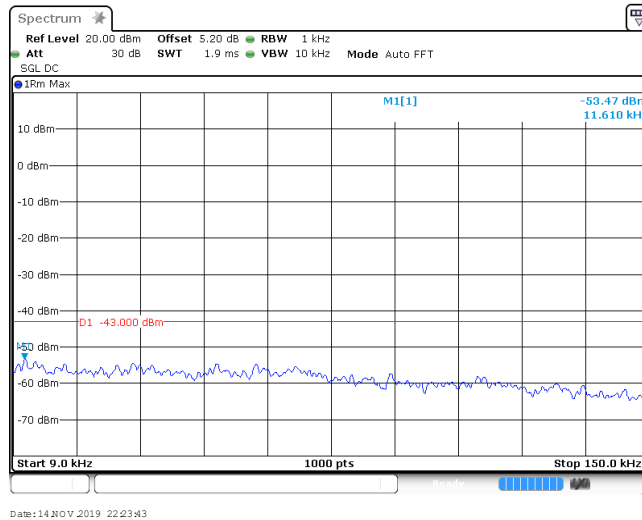


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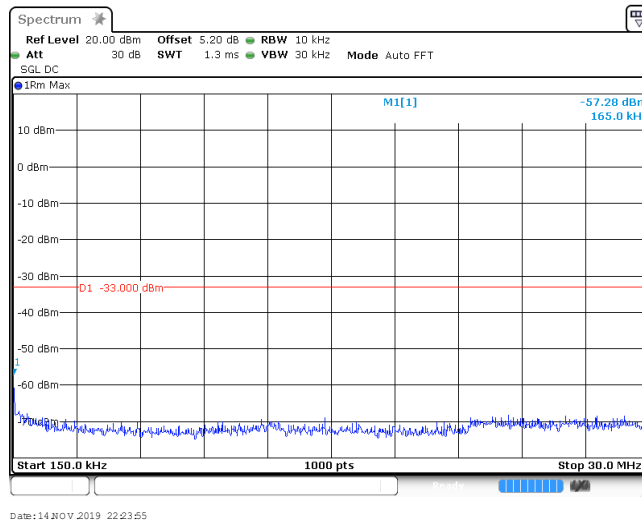
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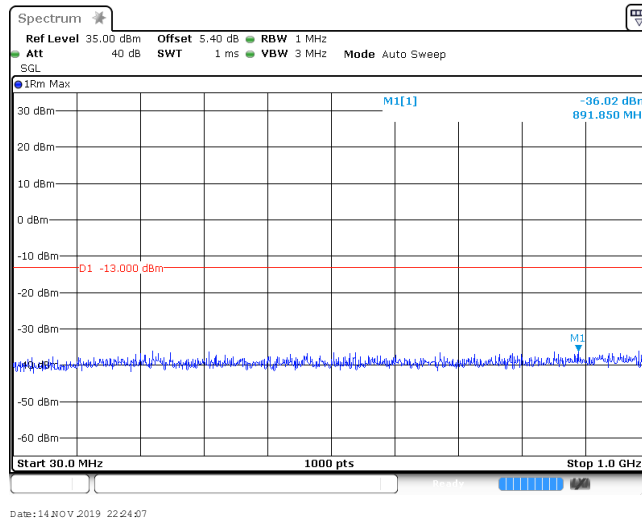


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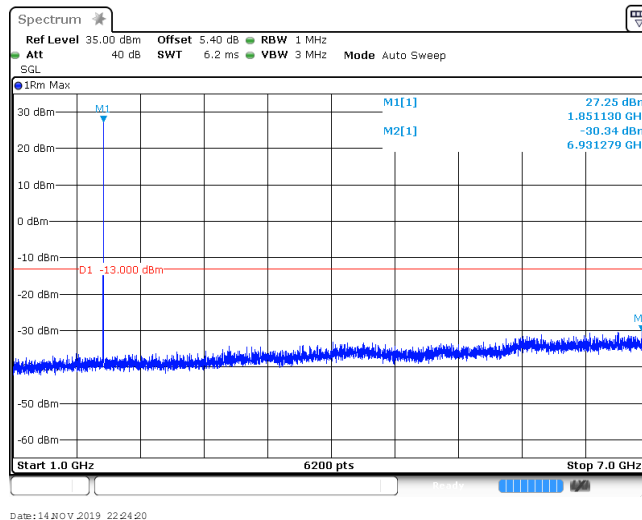
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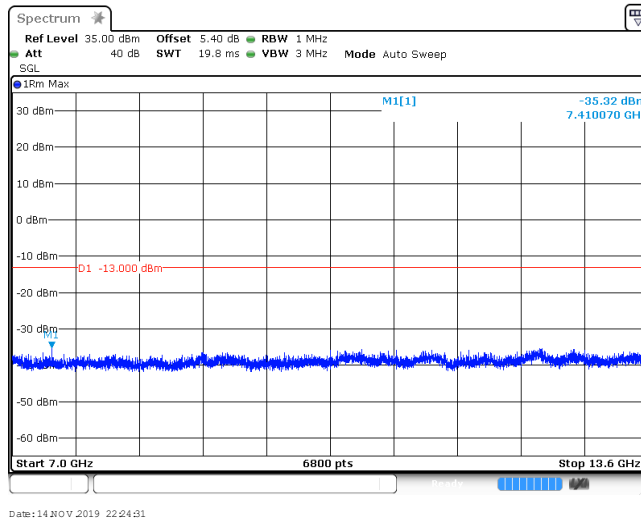


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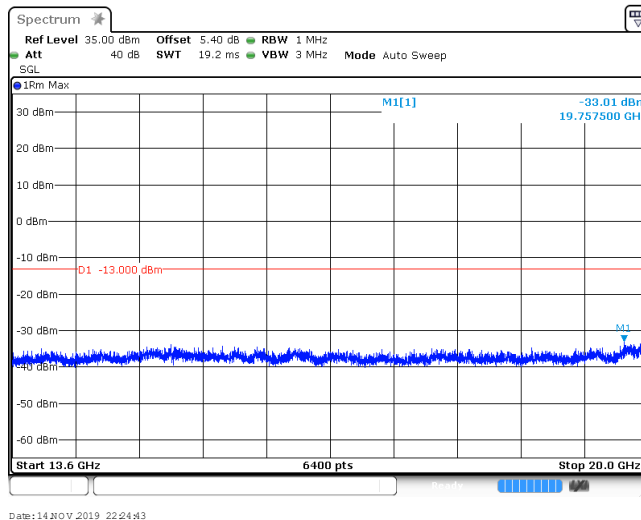
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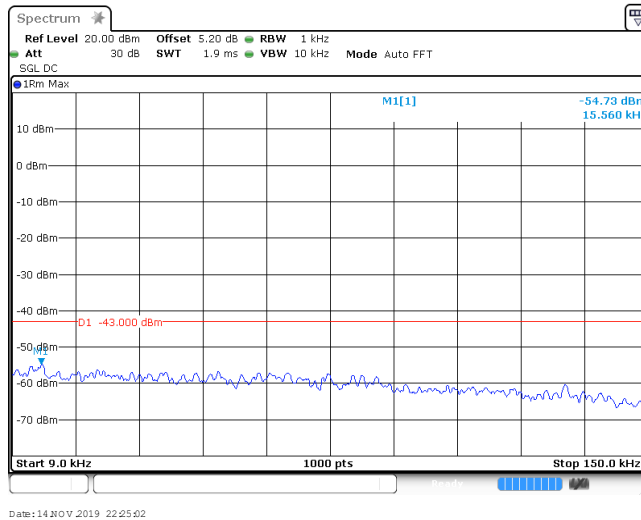


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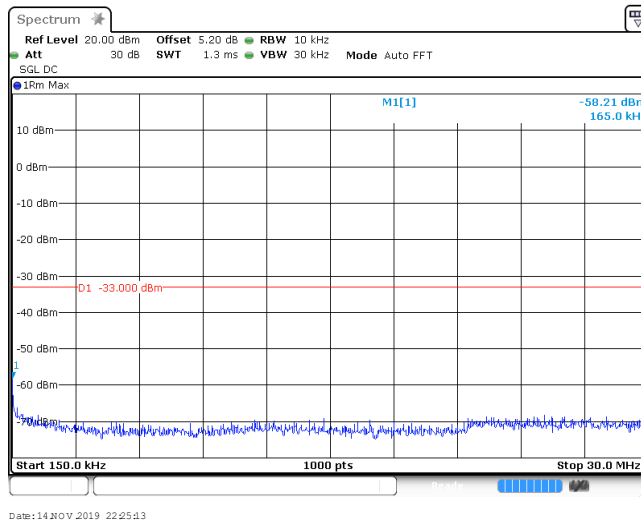


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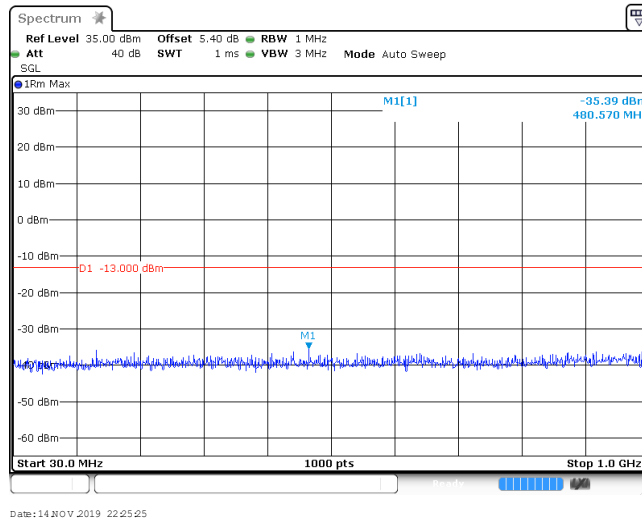


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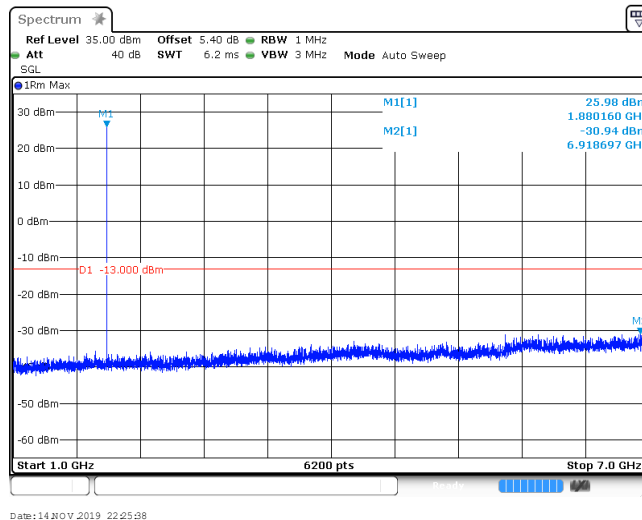
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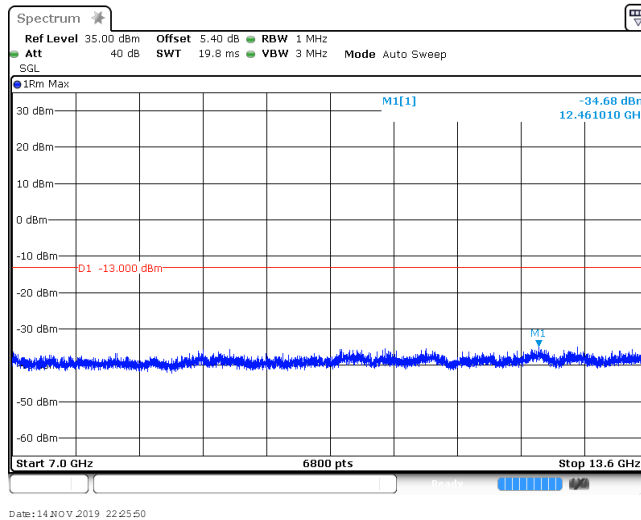


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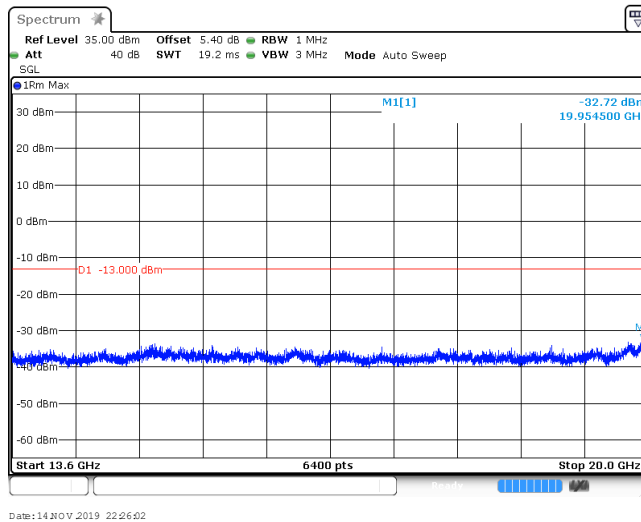
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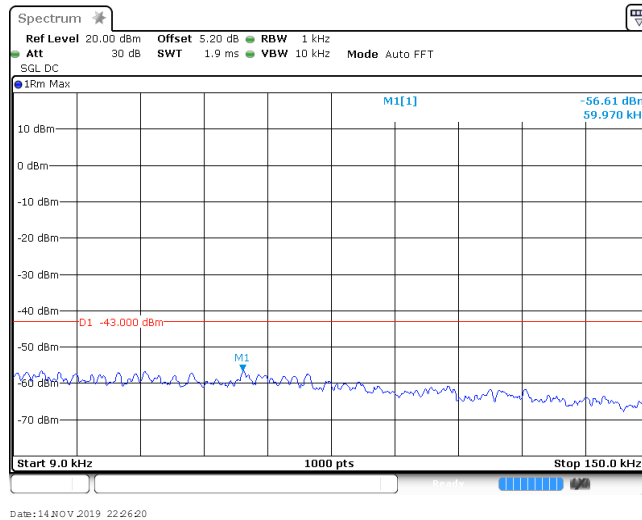


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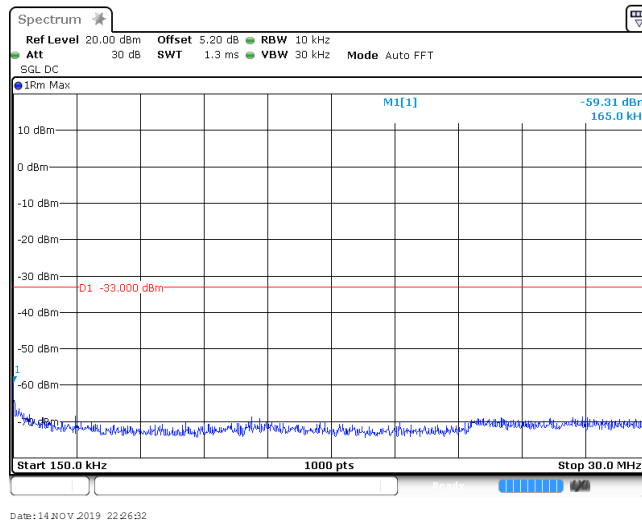


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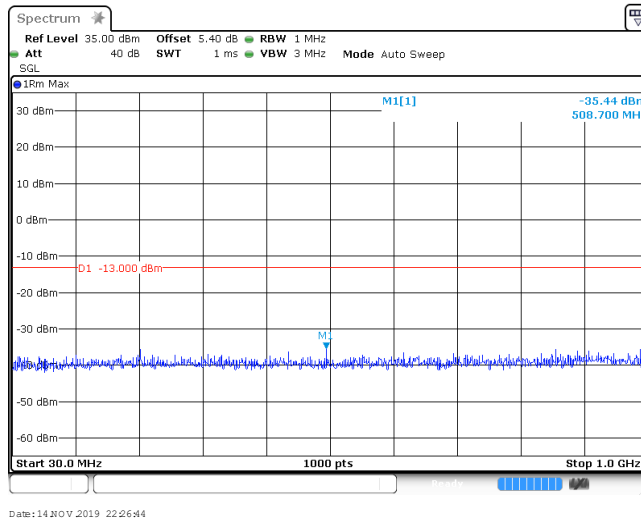


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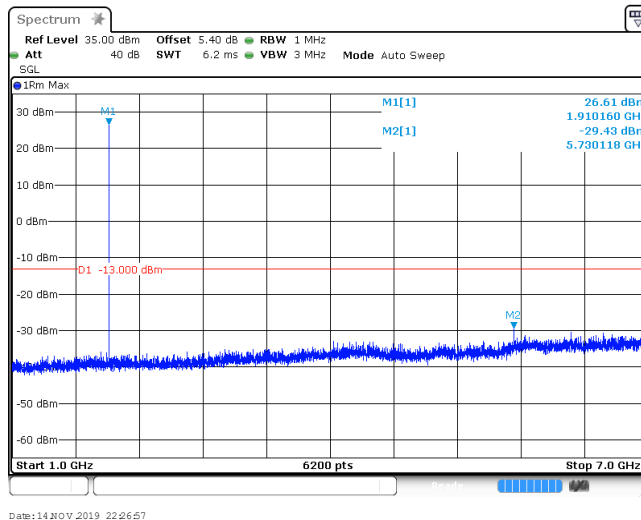


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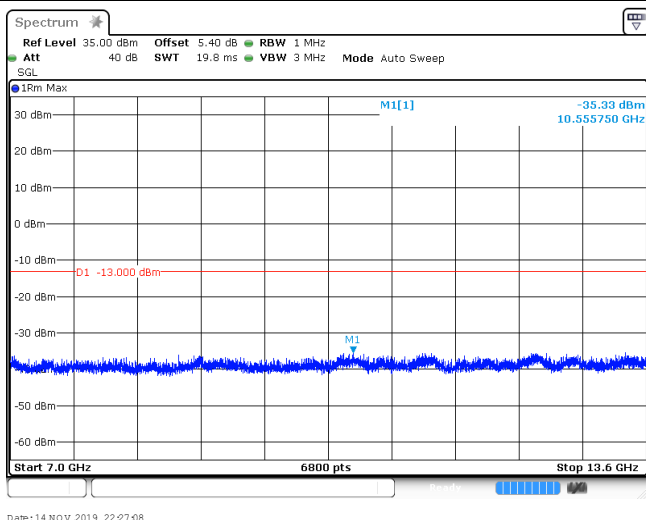


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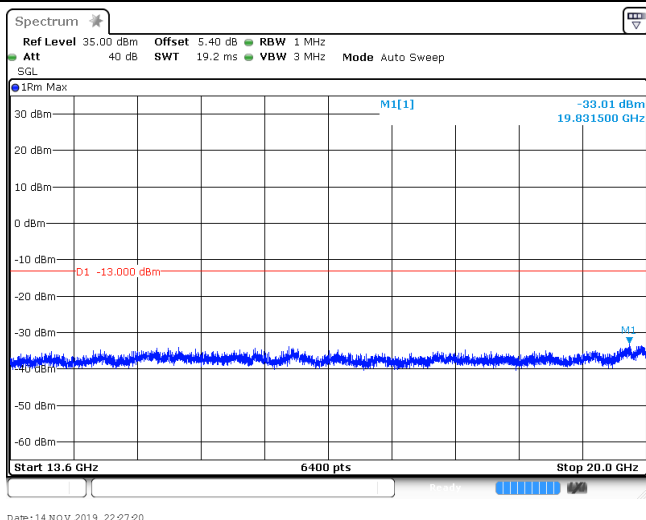


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7. Field Strength of Spurious Radiation

7.1. Test Band = GSM 1900

7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
110.7565	-64.79	-13.00	51.79	Vertical
5550.5850	-44.40	-13.00	31.40	Vertical
7400.6467	-44.74	-13.00	31.74	Vertical
9251.2084	-42.25	-13.00	29.25	Vertical
11101.2700	-36.93	-13.00	23.93	Vertical
12951.3317	-39.48	-13.00	26.48	Vertical
45.0358	-64.47	-13.00	51.47	Horizontal
242.7316	-68.40	-13.00	55.40	Horizontal
950.3820	-60.60	-13.00	47.60	Horizontal
3700.5234	-51.21	-13.00	38.21	Horizontal
5550.5850	-51.42	-13.00	38.42	Horizontal
12951.3317	-41.09	-13.00	28.09	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
111.4356	-65.15	-13.00	52.15	Vertical
5640.0880	-46.49	-13.00	33.49	Vertical
7520.1507	-47.97	-13.00	34.97	Vertical
9399.7133	-40.18	-13.00	27.18	Vertical
11280.2760	-43.07	-13.00	30.07	Vertical
13160.3387	-40.01	-13.00	27.01	Vertical
45.6663	-64.58	-13.00	51.58	Horizontal
775.1428	-62.05	-13.00	49.05	Horizontal
3760.0253	-51.73	-13.00	38.73	Horizontal
5640.0880	-48.76	-13.00	35.76	Horizontal
9400.2133	-44.74	-13.00	31.74	Horizontal
16387.9463	-37.30	-13.00	24.30	Horizontal

7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
110.8050	-65.11	-13.00	52.11	Vertical
3819.5273	-53.80	-13.00	40.80	Vertical
5729.0910	-49.62	-13.00	36.62	Vertical
7639.1546	-48.86	-13.00	35.86	Vertical



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9548.7183	-43.92	-13.00	30.92	Vertical
13368.3456	-33.14	-13.00	20.14	Vertical
41.6891	-64.37	-13.00	51.37	Horizontal
234.0982	-67.65	-13.00	54.65	Horizontal
745.2168	-62.56	-13.00	49.56	Horizontal
3819.5273	-52.67	-13.00	39.67	Horizontal
5729.5910	-47.79	-13.00	34.79	Horizontal
16382.4461	-37.63	-13.00	24.63	Horizontal

7.2. Test Band = GSM 850

7.2.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
111.2416	-64.33	-13.00	51.33	Vertical
1648.1296	-60.08	-13.00	47.08	Vertical
2472.6945	-46.37	-13.00	33.37	Vertical
4121.0374	-44.97	-13.00	31.97	Vertical
14468.3823	-43.33	-13.00	30.33	Vertical
17999.0000	-34.77	-13.00	21.77	Vertical
42.9501	-63.36	-13.00	50.36	Horizontal
1648.5297	-53.85	-13.00	40.85	Horizontal
2472.2945	-44.71	-13.00	31.71	Horizontal
3297.0099	-48.70	-13.00	35.70	Horizontal
4121.0374	-51.96	-13.00	38.96	Horizontal
16394.4465	-39.69	-13.00	26.69	Horizontal

7.2.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
110.1745	-64.02	-13.00	51.02	Vertical
1672.9346	-56.33	-13.00	43.33	Vertical
2455.0910	-50.37	-13.00	37.37	Vertical
4183.0394	-52.39	-13.00	39.39	Vertical
14482.8828	-42.97	-13.00	29.97	Vertical
17994.9998	-34.72	-13.00	21.72	Vertical
42.2226	-63.94	-13.00	50.94	Horizontal
1673.3347	-49.25	-13.00	36.25	Horizontal
2509.9020	-42.46	-13.00	29.46	Horizontal
3346.5116	-54.14	-13.00	41.14	Horizontal
4183.0394	-55.98	-13.00	42.98	Horizontal
16376.9459	-39.39	-13.00	26.39	Horizontal



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7.2.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
80.6850	-67.80	-13.00	54.80	Vertical
115.5583	-63.78	-13.00	50.78	Vertical
1697.7395	-53.93	-13.00	40.93	Vertical
2546.3093	-46.02	-13.00	33.02	Vertical
4244.0415	-51.28	-13.00	38.28	Vertical
17996.9999	-34.73	-13.00	21.73	Vertical
40.9615	-63.96	-13.00	50.96	Horizontal
1697.7395	-44.87	-13.00	31.87	Horizontal
2439.4879	-42.19	-13.00	29.19	Horizontal
3395.0132	-56.41	-13.00	43.41	Horizontal
4243.5415	-55.23	-13.00	42.23	Horizontal
16395.9465	-38.88	-13.00	25.88	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		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
		Voltage (Vdc)	Temperature (°C)				
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	±2.5	PASS
EGPRS850	190	VN	30	1.58	0.001891	±2.5	PASS
EGPRS850	190	VN	40	1.49	0.001775	±2.5	PASS
EGPRS850	190	VN	50	4.36	0.005210	±2.5	PASS
GSM1900	512	VN	-30	8.27	0.004467	±2.5	PASS
GSM1900	512	VN	-20	9.52	0.005148	±2.5	PASS
GSM1900	512	VN	-10	8.43	0.004554	±2.5	PASS
GSM1900	512	VN	0	20.60	0.011133	±2.5	PASS
GSM1900	512	VN	10	25.44	0.013751	±2.5	PASS
GSM1900	512	VN	20	28.35	0.015321	±2.5	PASS
GSM1900	512	VN	30	25.47	0.013768	±2.5	PASS
GSM1900	512	VN	40	16.95	0.009161	±2.5	PASS
GSM1900	512	VN	50	18.73	0.010121	±2.5	PASS
GSM1900	661	VN	-30	11.33	0.006028	±2.5	PASS
GSM1900	661	VN	-20	8.91	0.004740	±2.5	PASS
GSM1900	661	VN	-10	9.30	0.004946	±2.5	PASS
GSM1900	661	VN	0	16.47	0.008758	±2.5	PASS
GSM1900	661	VN	10	18.02	0.009583	±2.5	PASS
GSM1900	661	VN	20	15.59	0.008295	±2.5	PASS
GSM1900	661	VN	30	13.30	0.007075	±2.5	PASS
GSM1900	661	VN	40	5.81	0.003091	±2.5	PASS
GSM1900	661	VN	50	12.46	0.006629	±2.5	PASS
GSM1900	810	VN	-30	9.52	0.004987	±2.5	PASS
GSM1900	810	VN	-20	5.23	0.002739	±2.5	PASS
GSM1900	810	VN	-10	5.84	0.003060	±2.5	PASS
GSM1900	810	VN	0	7.94	0.004159	±2.5	PASS
GSM1900	810	VN	10	8.23	0.004311	±2.5	PASS
GSM1900	810	VN	20	-13.46	-0.007050	±2.5	PASS
GSM1900	810	VN	30	3.58	0.001876	±2.5	PASS
GSM1900	810	VN	40	15.21	0.007962	±2.5	PASS
GSM1900	810	VN	50	5.36	0.002806	±2.5	PASS
EGPRS1900	512	VN	-30	5.78	0.003124	±2.5	PASS
EGPRS1900	512	VN	-20	6.59	0.003560	±2.5	PASS
EGPRS1900	512	VN	-10	8.65	0.004677	±2.5	PASS
EGPRS1900	512	VN	0	8.23	0.004450	±2.5	PASS
EGPRS1900	512	VN	10	20.70	0.011185	±2.5	PASS
EGPRS1900	512	VN	20	24.67	0.013332	±2.5	PASS
EGPRS1900	512	VN	30	21.28	0.011499	±2.5	PASS
EGPRS1900	512	VN	40	28.12	0.015199	±2.5	PASS
EGPRS1900	512	VN	50	19.82	0.010714	±2.5	PASS
EGPRS1900	661	VN	-30	0.32	0.000172	±2.5	PASS
EGPRS1900	661	VN	-20	2.42	0.001288	±2.5	PASS
EGPRS1900	661	VN	-10	2.26	0.001202	±2.5	PASS
EGPRS1900	661	VN	0	1.29	0.000687	±2.5	PASS
EGPRS1900	661	VN	10	10.69	0.005684	±2.5	PASS
EGPRS1900	661	VN	20	10.27	0.005461	±2.5	PASS
EGPRS1900	661	VN	30	9.23	0.004912	±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

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