



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	---	33.37	27.92	38.45	PASS
GSM850	190	---	33.20	27.75	38.45	PASS
GSM850	251	---	33.32	27.87	38.45	PASS
EGPRS850	128	1	26.42	20.97	38.45	PASS
EGPRS850	128	2	23.80	18.35	38.45	PASS
EGPRS850	128	3	22.66	17.21	38.45	PASS
EGPRS850	128	4	22.47	17.02	38.45	PASS
EGPRS850	190	1	26.33	20.88	38.45	PASS
EGPRS850	190	2	23.77	18.32	38.45	PASS
EGPRS850	190	3	22.57	17.12	38.45	PASS
EGPRS850	190	4	22.39	16.94	38.45	PASS
EGPRS850	251	1	26.33	20.88	38.45	PASS
EGPRS850	251	2	23.75	18.3	38.45	PASS
EGPRS850	251	3	22.51	17.06	38.45	PASS
EGPRS850	251	4	22.39	16.94	38.45	PASS

Band	Channel	Slot	Conducted Power (dBm)	EIRP (dBm)	Limit(dBm)	Verdict
GSM1900	512	---	29.87	28.81	33.00	PASS
GSM1900	661	---	29.75	28.69	33.00	PASS
GSM1900	810	---	29.36	28.30	33.00	PASS
EGPRS1900	512	1	26.87	25.81	33.00	PASS
EGPRS1900	512	2	24.15	23.09	33.00	PASS
EGPRS1900	512	3	22.74	21.68	33.00	PASS
EGPRS1900	512	4	21.74	20.68	33.00	PASS
EGPRS1900	661	1	26.42	25.36	33.00	PASS
EGPRS1900	661	2	24.34	23.28	33.00	PASS
EGPRS1900	661	3	22.85	21.79	33.00	PASS
EGPRS1900	661	4	21.80	20.74	33.00	PASS
EGPRS1900	810	1	26.33	25.27	33.00	PASS
EGPRS1900	810	2	24.24	23.18	33.00	PASS
EGPRS1900	810	3	22.70	21.64	33.00	PASS
EGPRS1900	810	4	21.55	20.49	33.00	PASS



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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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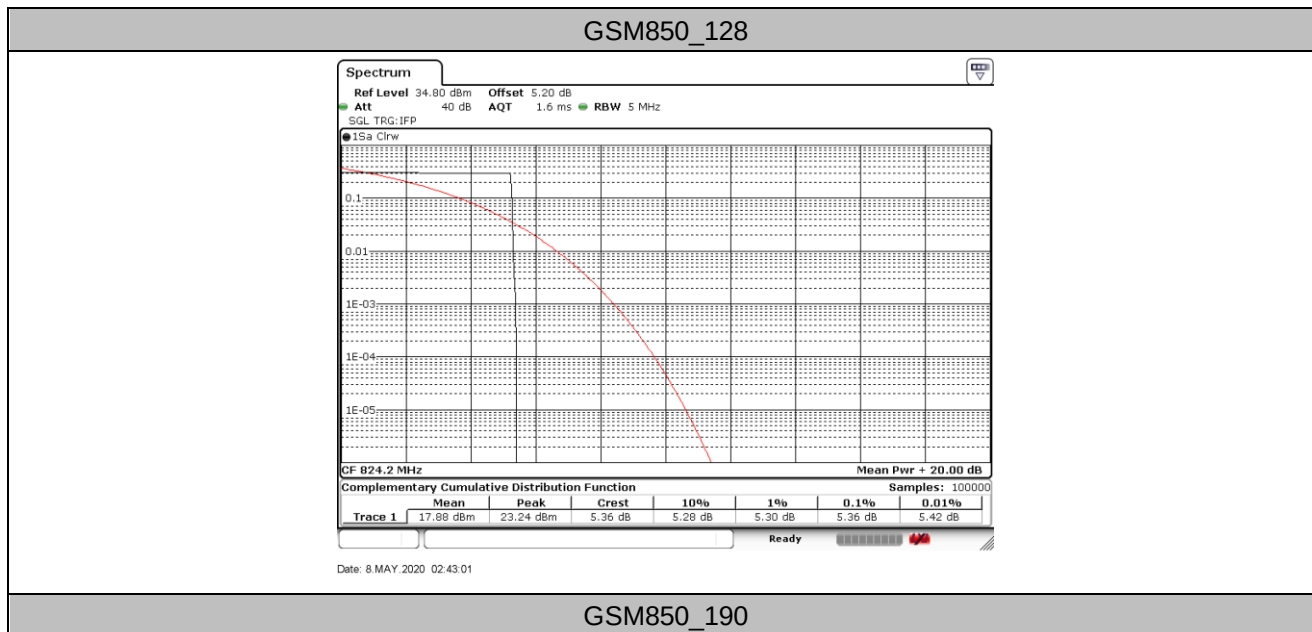
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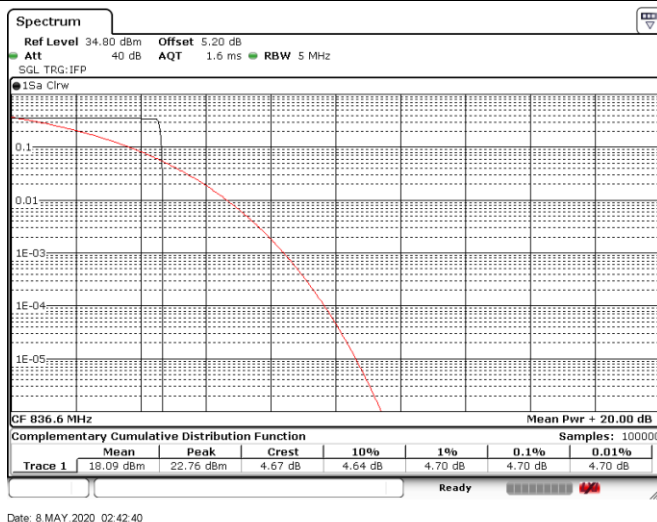
2. Peak-to-Average Ratio

2.1. Test Result

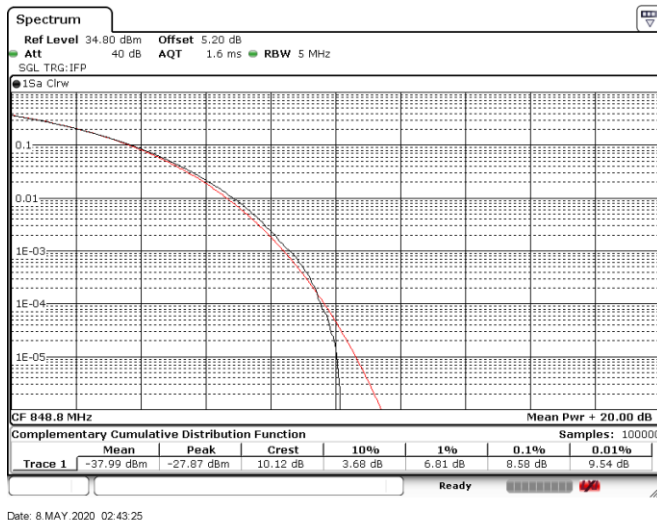
Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
GSM850	128	5.36	13	PASS
GSM850	190	4.70	13	PASS
GSM850	251	8.58	13	PASS
EGPRS850	128	10.84	13	PASS
EGPRS850	190	11.01	13	PASS
EGPRS850	251	10.41	13	PASS
GSM1900	512	7.74	13	PASS
GSM1900	661	7.77	13	PASS
GSM1900	810	7.71	13	PASS
EGPRS1900	512	10.58	13	PASS
EGPRS1900	661	10.49	13	PASS
EGPRS1900	810	10.75	13	PASS

2.2. Part II - Test Plots





GSM850_251

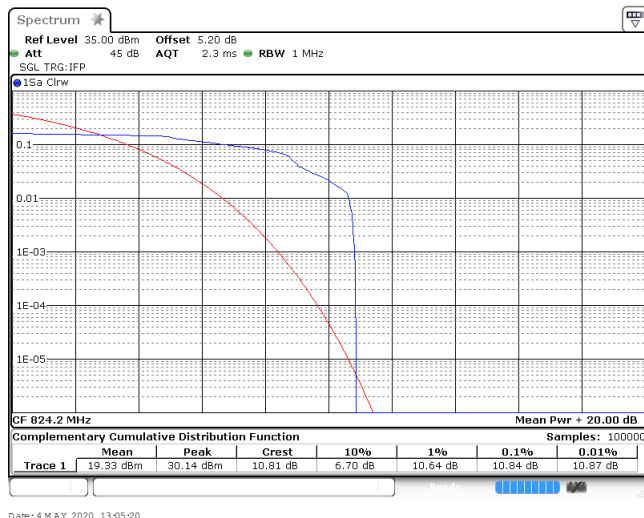


EGPRS850_128

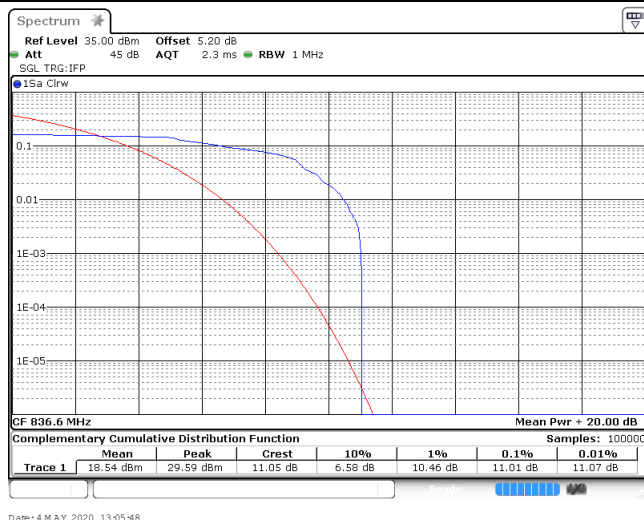


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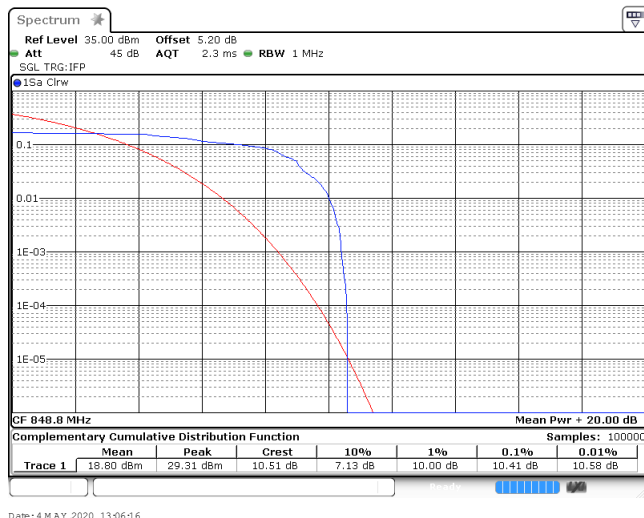


EGPRS850_190



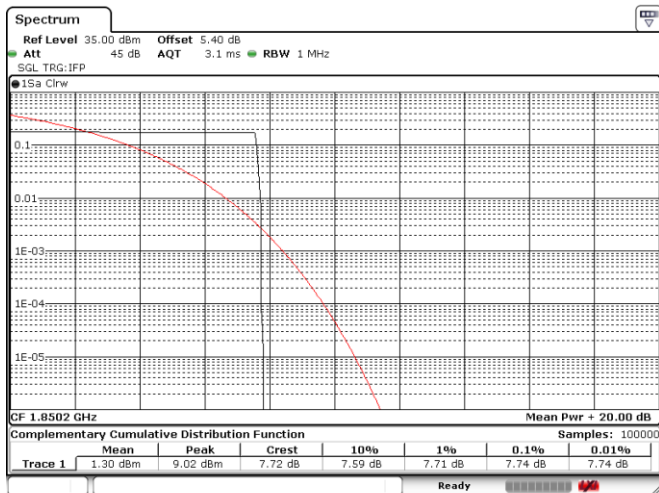
EGPRS850_251





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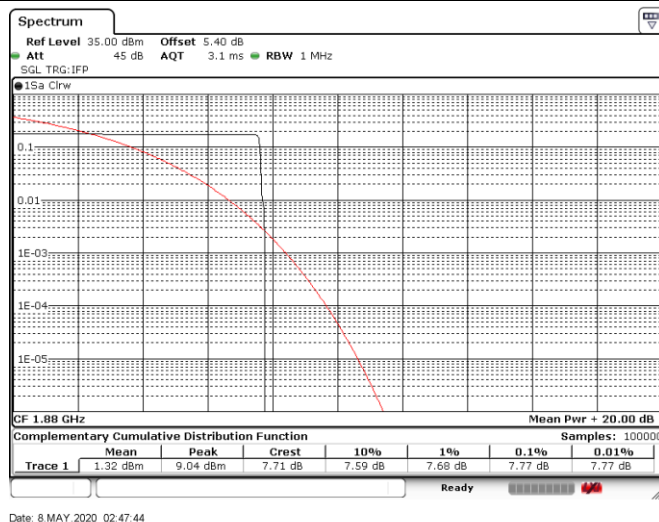
GSM1900_512



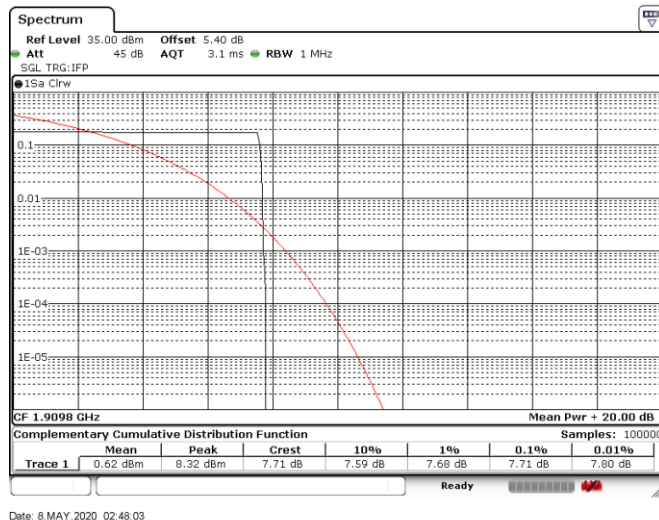
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GSM1900_661



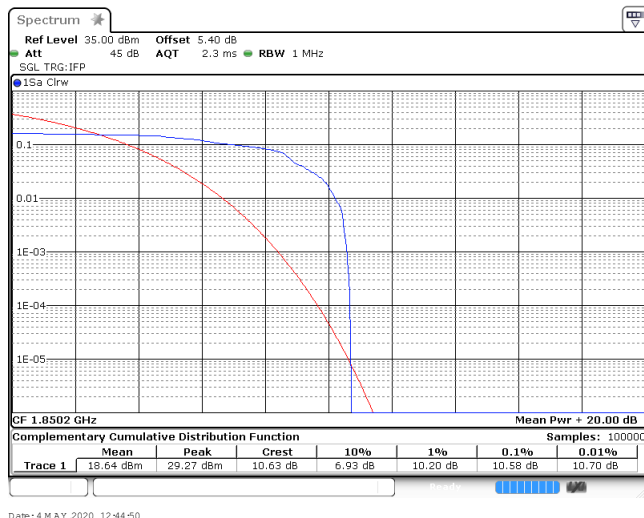


GSM1900_810

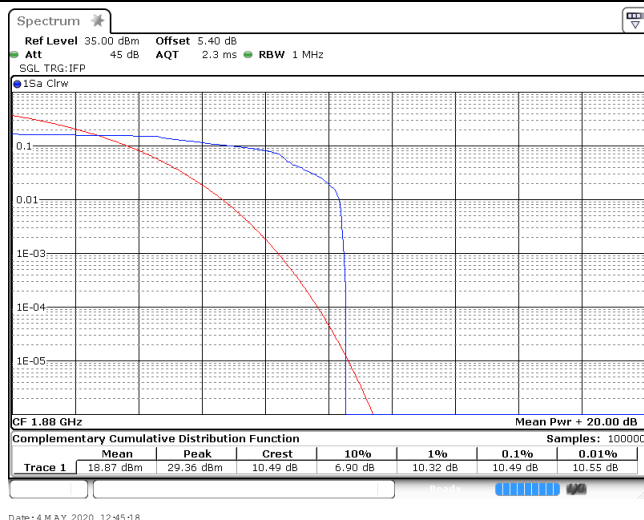


EGPRS1900_512



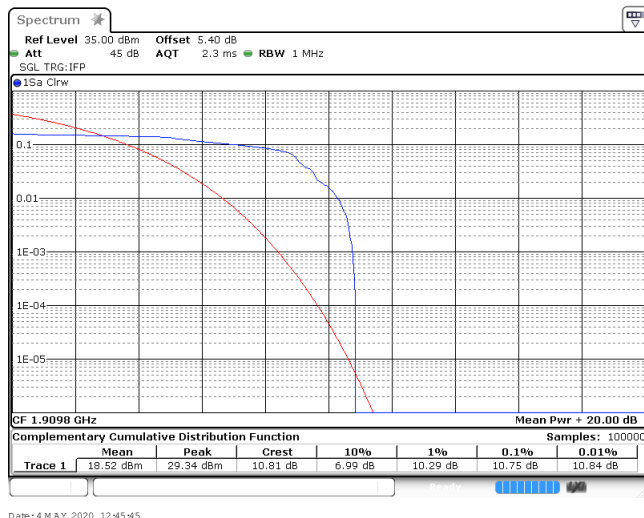


EGPRS1900_661



EGPRS1900_810





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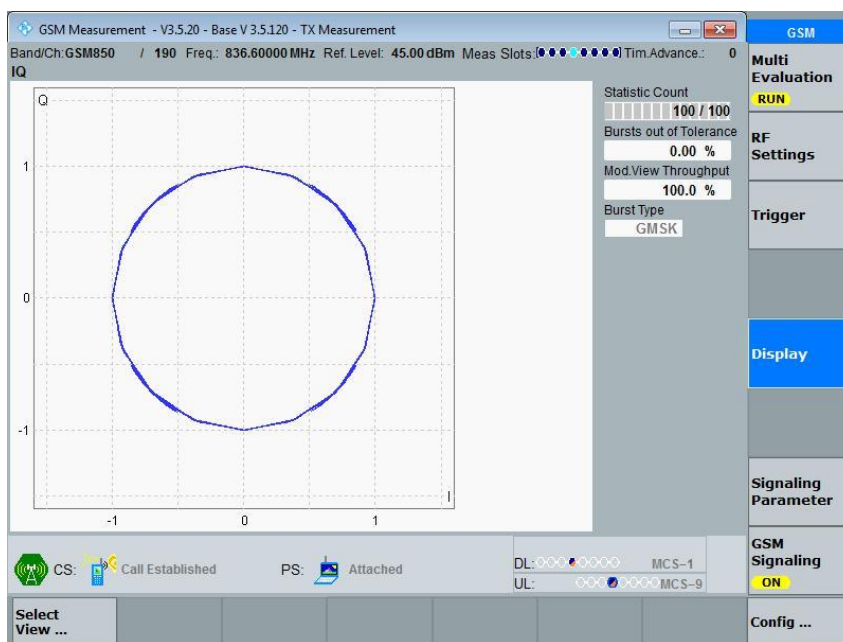
3. Modulation Characteristics

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

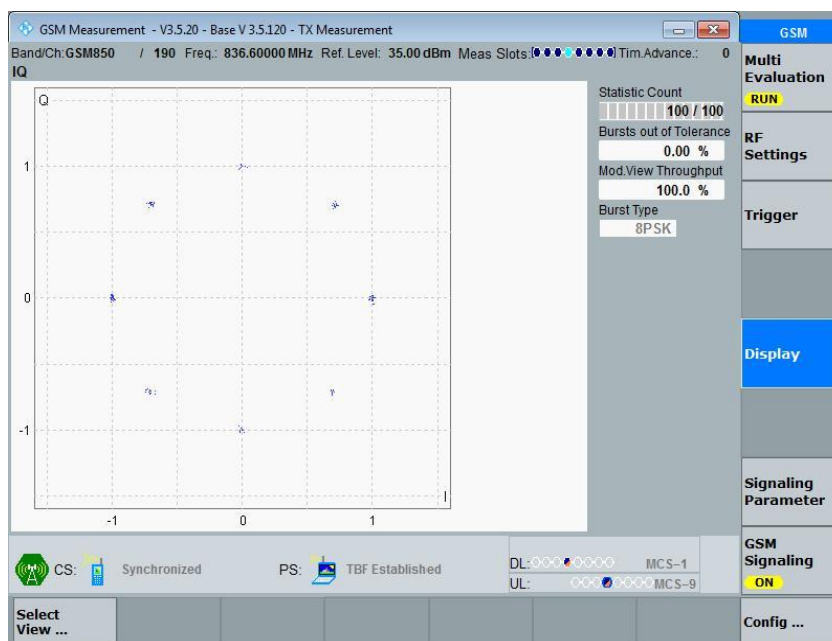


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3.1.1.2. Test Mode = GSM/TM2

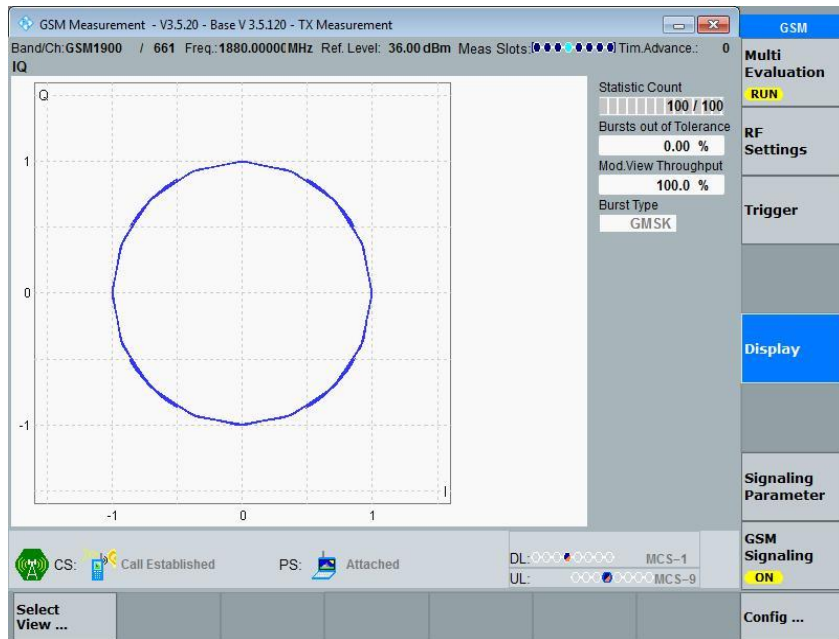
3.1.1.2.1. Test Channel = MCH



3.1.2. Test Band = GSM 1900

3.1.2.1. Test Mode = GSM/TM1

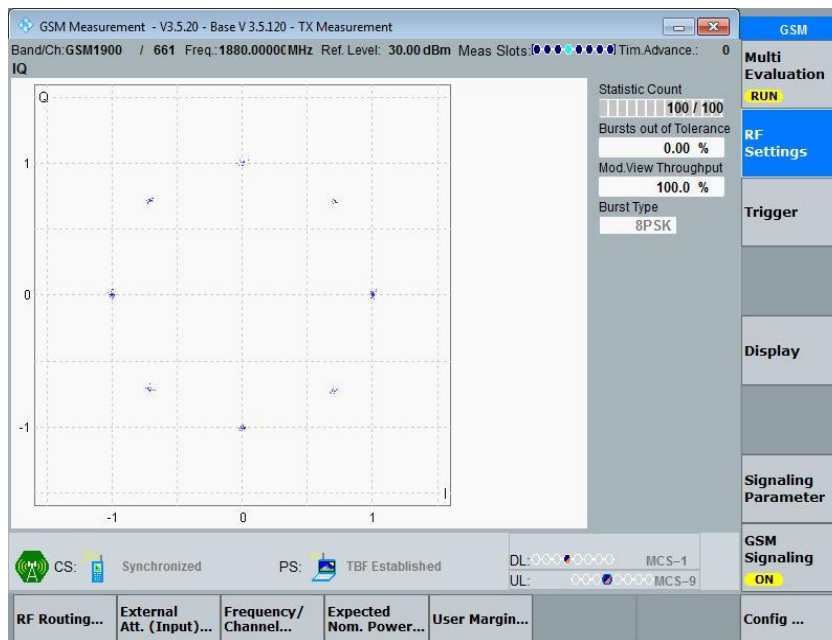
3.1.2.1.1. Test Channel = MCH





3.1.2.2. Test Mode = GSM/TM2

3.1.2.2.1. Test Channel = MCH



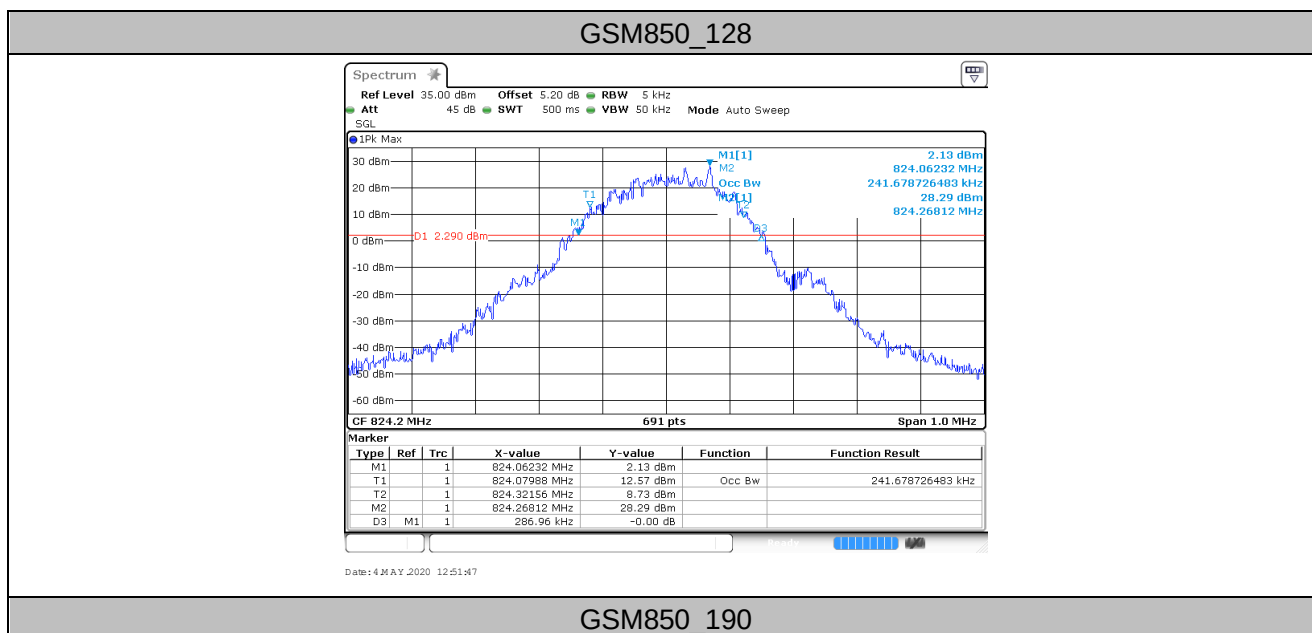


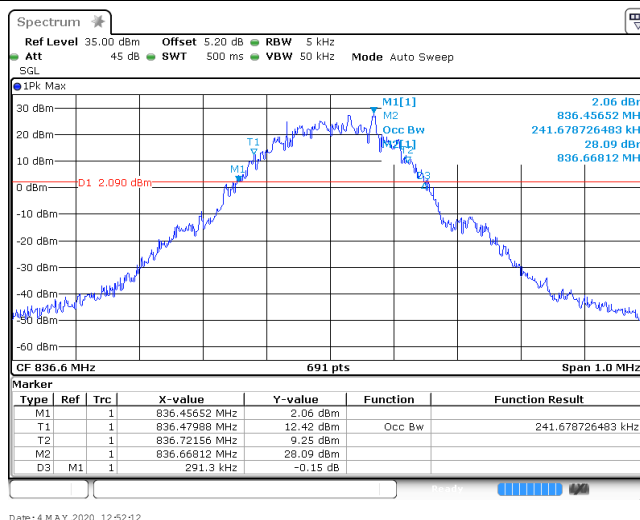
4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

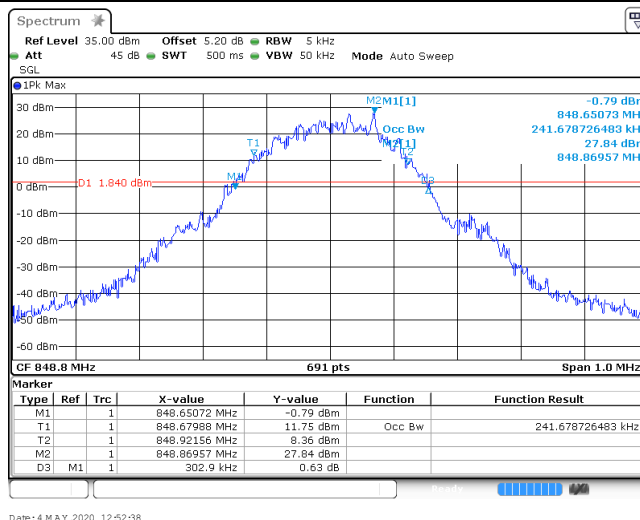
Band	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
GSM850	128	241.68	286.96	---	PASS
GSM850	190	241.68	291.30	---	PASS
GSM850	251	241.68	302.90	---	PASS
EGPRS850	128	246.02	305.80	---	PASS
EGPRS850	190	246.02	291.30	---	PASS
EGPRS850	251	243.13	291.30	---	PASS
GSM1900	512	241.68	297.10	---	PASS
GSM1900	661	243.13	285.51	---	PASS
GSM1900	810	241.68	294.20	---	PASS
EGPRS1900	512	251.81	292.75	---	PASS
EGPRS1900	661	246.02	300.00	---	PASS
EGPRS1900	810	244.57	297.10	---	PASS

4.2. Test Plots





GSM850_251

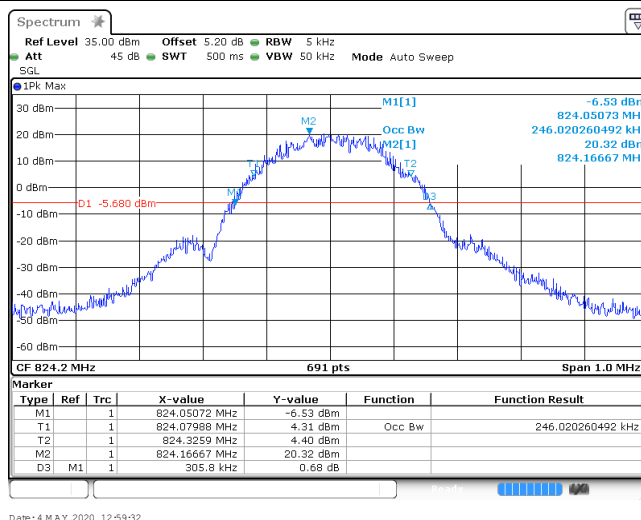


EGPRS850_128

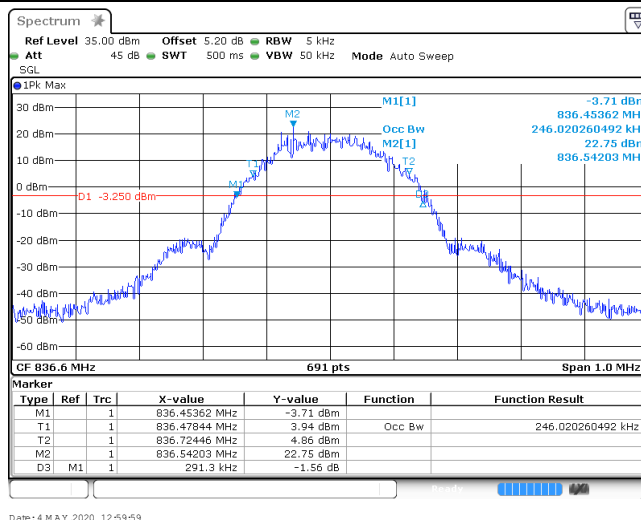


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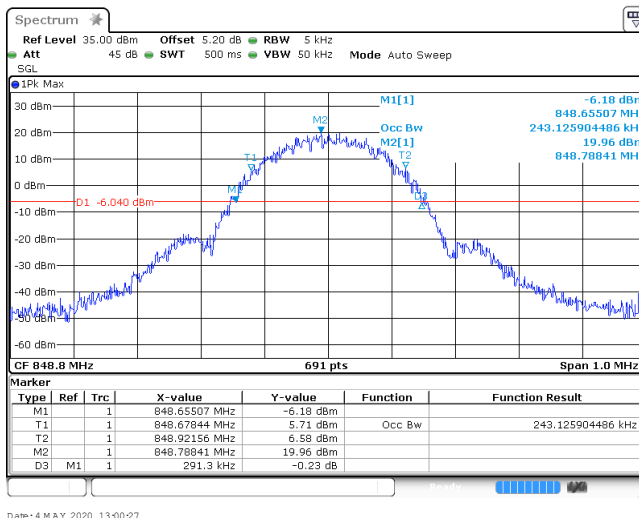


EGPRS850_190

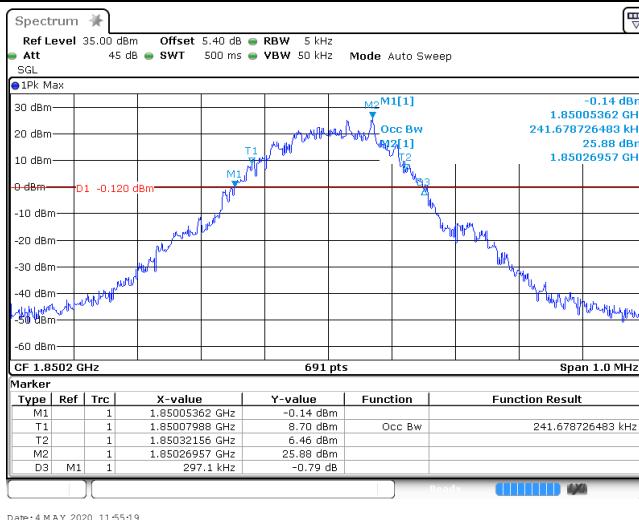


EGPRS850_251



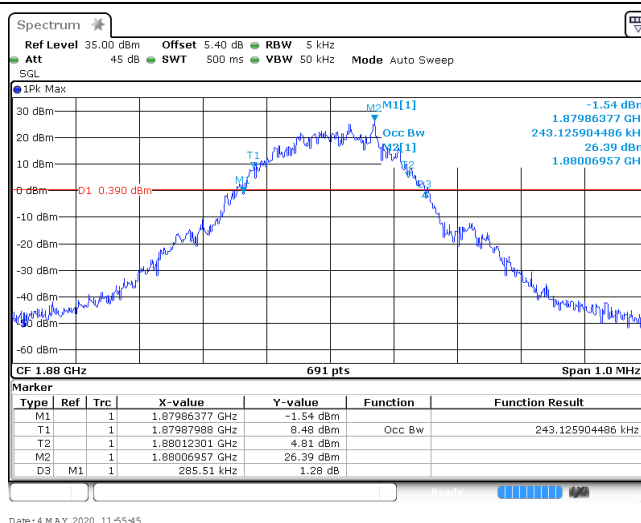


GSM1900_512

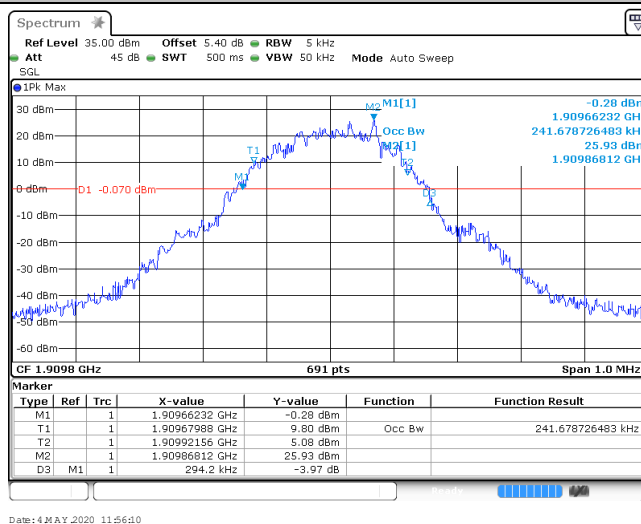


GSM1900_661



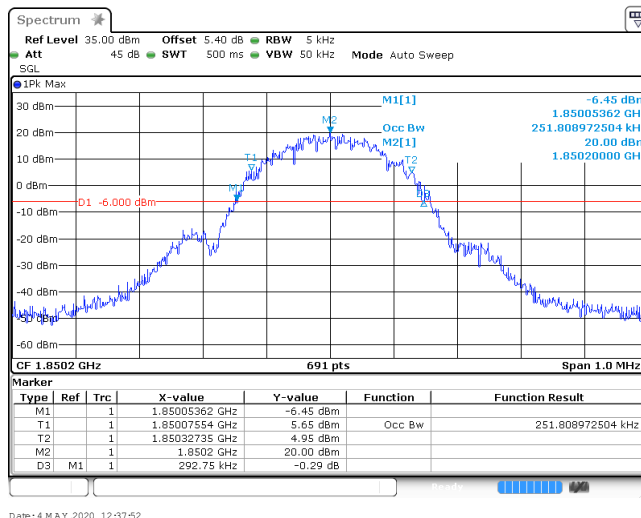


GSM1900_810

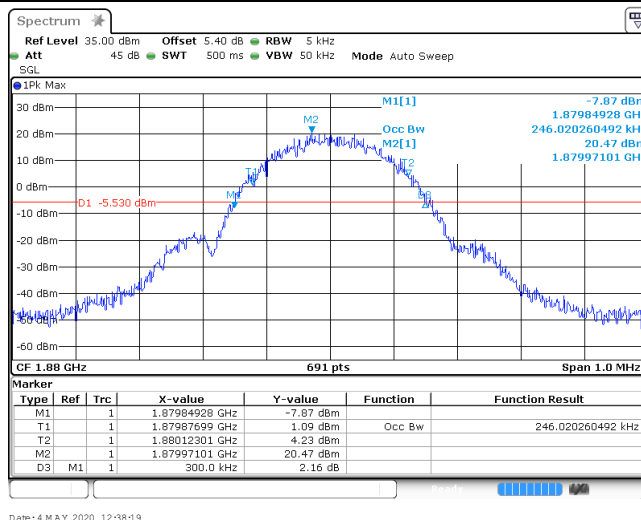


EGPRS1900_512





EGPRS1900_661

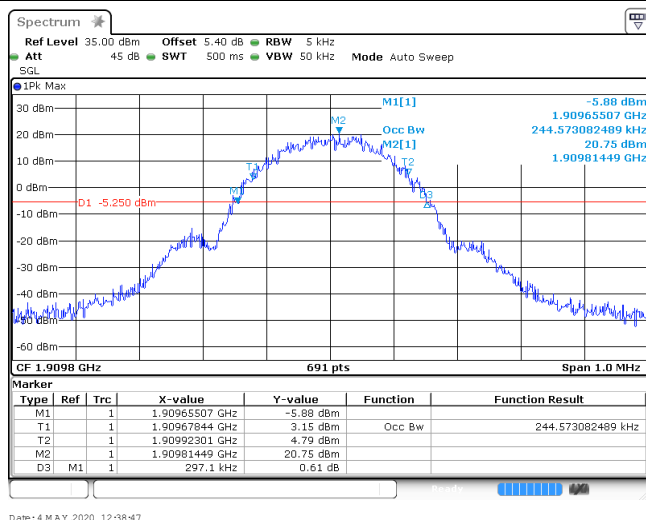


EGPRS1900_810



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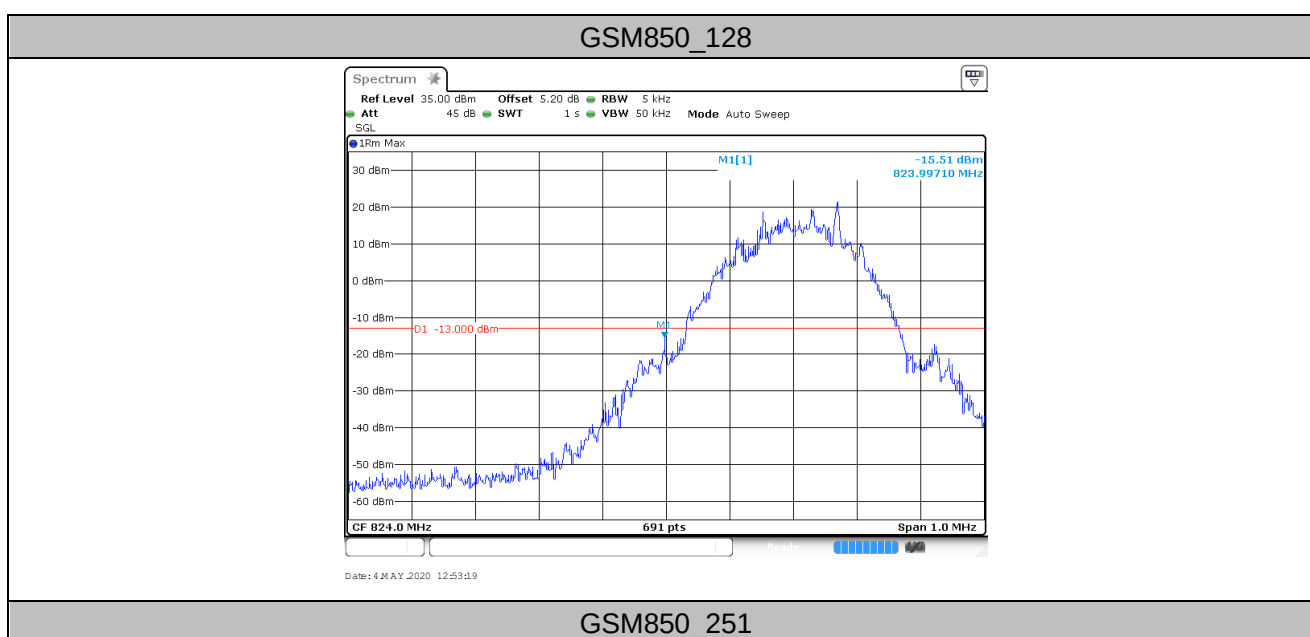


5. Band Edge Compliance

5.1. Test Result

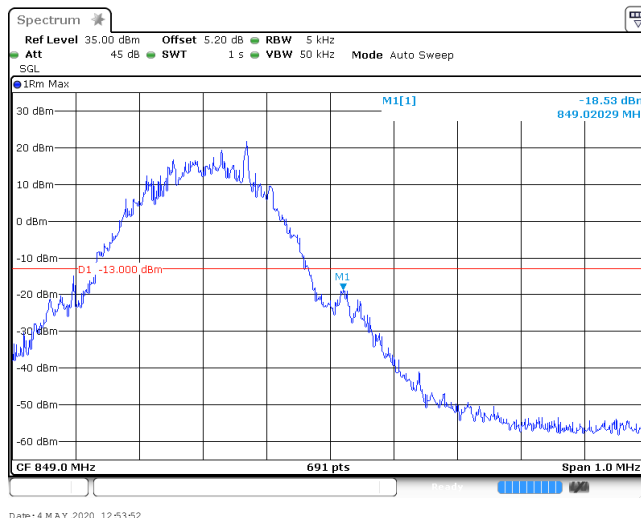
Band	Channel	Value(dBm)	Limit(dBm)	Verdict
GSM850	128	-15.51	-13	PASS
GSM850	251	-18.53	-13	PASS
EGPRS850	128	-25.64	-13	PASS
EGPRS850	251	-27.50	-13	PASS
GSM1900	512	-18.93	-13	PASS
GSM1900	810	-20.28	-13	PASS
EGPRS1900	512	-24.91	-13	PASS
EGPRS1900	810	-24.84	-13	PASS

5.2. Test Plots

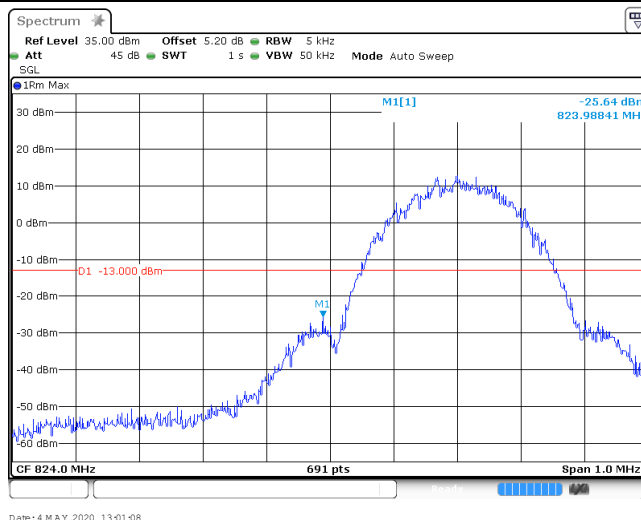


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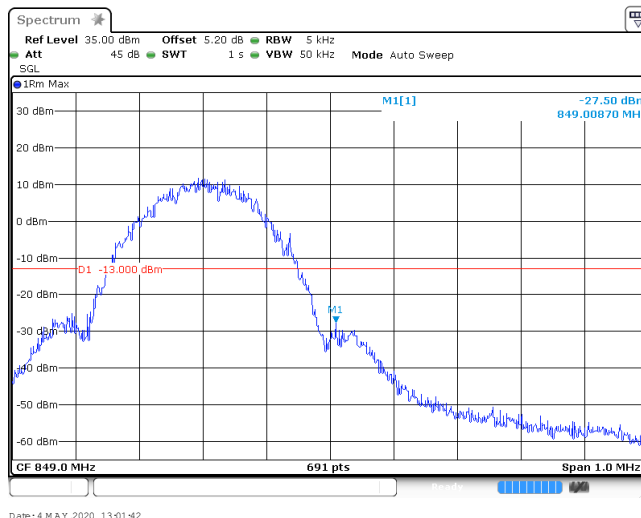
EGPRS850_128



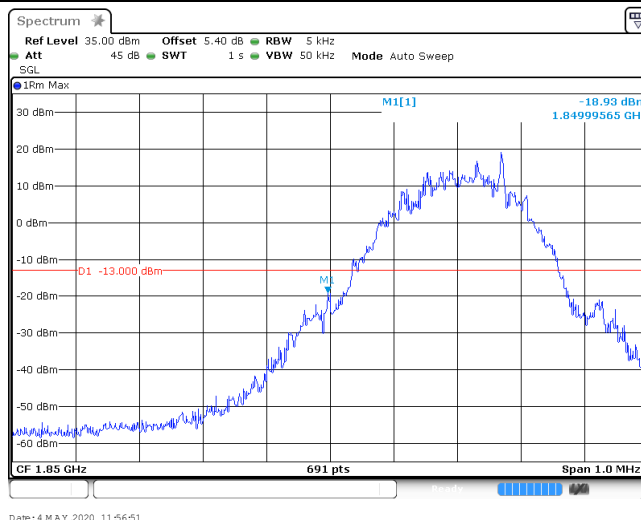
EGPRS850_251



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GSM1900_512



GSM1900_810

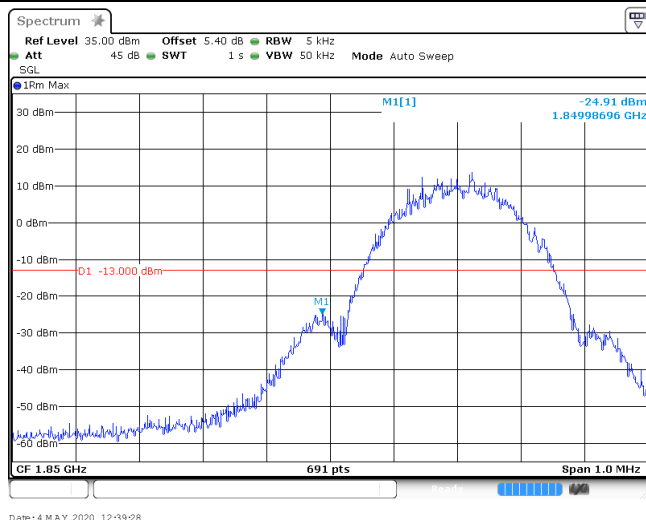


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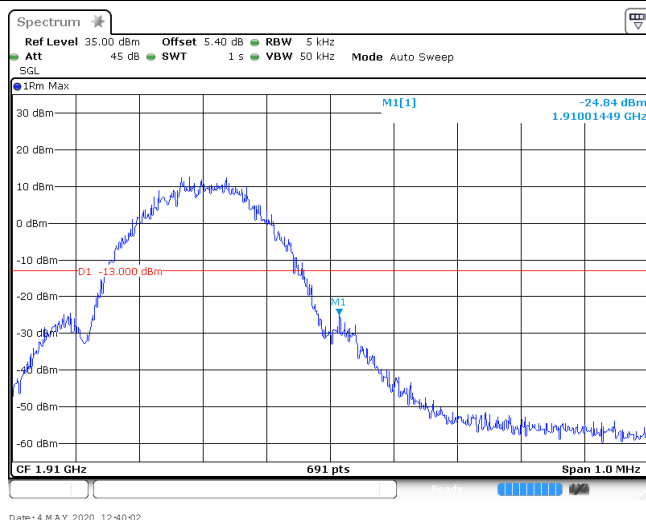


EGPRS1900_512



EGPRS1900_810





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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 Result

Band	Channel	Frequency Rang(Mhz)	Value(dBm)	Limit(dBm)	Verdict
GSM850	128	0.009~0.15	-55.26	-33	PASS
GSM850	128	0.15~30	-60.80	-23	PASS
GSM850	128	30~1000	-34.81	-13	PASS
GSM850	128	1000~9000	-33.23	-13	PASS
GSM850	190	0.009~0.15	-55.41	-33	PASS
GSM850	190	0.15~30	-62.31	-23	PASS
GSM850	190	30~1000	-35.55	-13	PASS
GSM850	190	1000~9000	-32.87	-13	PASS
GSM850	251	0.009~0.15	-54.93	-33	PASS
GSM850	251	0.15~30	-63.97	-23	PASS
GSM850	251	30~1000	-34.92	-13	PASS
GSM850	251	1000~9000	-33.17	-13	PASS
EGPRS850	128	0.009~0.15	-55.99	-43	PASS
EGPRS850	128	0.15~30	-61.91	-33	PASS
EGPRS850	128	30~1000	-35.06	-13	PASS
EGPRS850	128	1000~9000	-32.96	-13	PASS
EGPRS850	190	0.009~0.15	-57.22	-43	PASS
EGPRS850	190	0.15~30	-63.06	-33	PASS
EGPRS850	190	30~1000	-35.33	-13	PASS
EGPRS850	190	1000~9000	-32.84	-13	PASS
EGPRS850	251	0.009~0.15	-57.29	-43	PASS
EGPRS850	251	0.15~30	-61.57	-33	PASS
EGPRS850	251	30~1000	-35.53	-13	PASS
EGPRS850	251	1000~9000	-32.61	-13	PASS
GSM1900	512	0.009~0.15	-55.34	-43	PASS
GSM1900	512	0.15~30	-63.38	-33	PASS
GSM1900	512	30~1000	-35.39	-13	PASS



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GSM1900	512	1000~7000	-30.54	-13	PASS
GSM1900	512	7000~13600	-34.42	-13	PASS
GSM1900	512	13600~20000	-32.42	-13	PASS
GSM1900	661	0.009~0.15	-54.49	-43	PASS
GSM1900	661	0.15~30	-61.74	-33	PASS
GSM1900	661	30~1000	-35.22	-13	PASS
GSM1900	661	1000~7000	-28.39	-13	PASS
GSM1900	661	7000~13600	-34.85	-13	PASS
GSM1900	661	13600~20000	-32.65	-13	PASS
GSM1900	810	0.009~0.15	-54.70	-43	PASS
GSM1900	810	0.15~30	-52.86	-33	PASS
GSM1900	810	30~1000	-35.24	-13	PASS
GSM1900	810	1000~7000	-29.60	-13	PASS
GSM1900	810	7000~13600	-34.16	-13	PASS
GSM1900	810	13600~20000	-32.78	-13	PASS
EGPRS1900	512	0.009~0.15	-52.32	-43	PASS
EGPRS1900	512	0.15~30	-56.45	-33	PASS
EGPRS1900	512	30~1000	-35.09	-13	PASS
EGPRS1900	512	1000~7000	-30.10	-13	PASS
EGPRS1900	512	7000~13600	-34.79	-13	PASS
EGPRS1900	512	13600~20000	-32.42	-13	PASS
EGPRS1900	661	0.009~0.15	-53.78	-43	PASS
EGPRS1900	661	0.15~30	-56.48	-33	PASS
EGPRS1900	661	30~1000	-35.40	-13	PASS
EGPRS1900	661	1000~7000	-29.96	-13	PASS
EGPRS1900	661	7000~13600	-34.53	-13	PASS
EGPRS1900	661	13600~20000	-32.43	-13	PASS
EGPRS1900	810	0.009~0.15	-53.34	-43	PASS
EGPRS1900	810	0.15~30	-58.05	-33	PASS
EGPRS1900	810	30~1000	-35.49	-13	PASS
EGPRS1900	810	1000~7000	-29.84	-13	PASS
EGPRS1900	810	7000~13600	-34.18	-13	PASS
EGPRS1900	810	13600~20000	-32.48	-13	PASS

6.2. Test Plots

GSM850_128

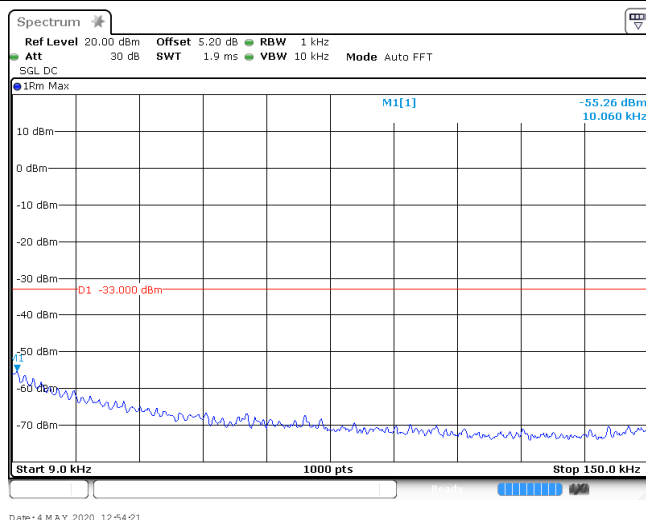


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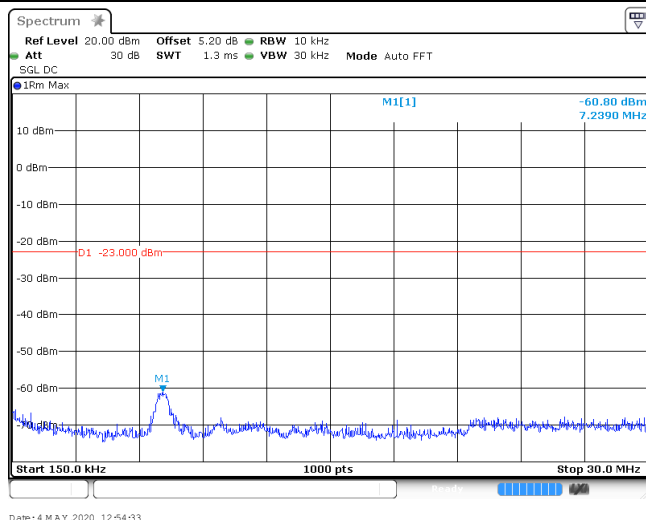
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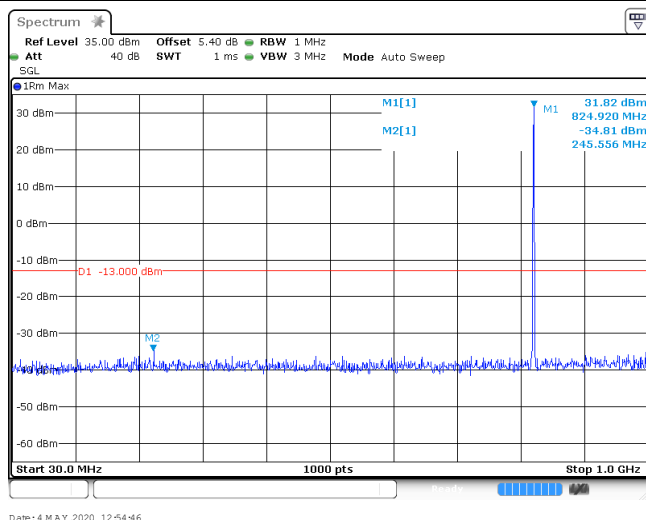


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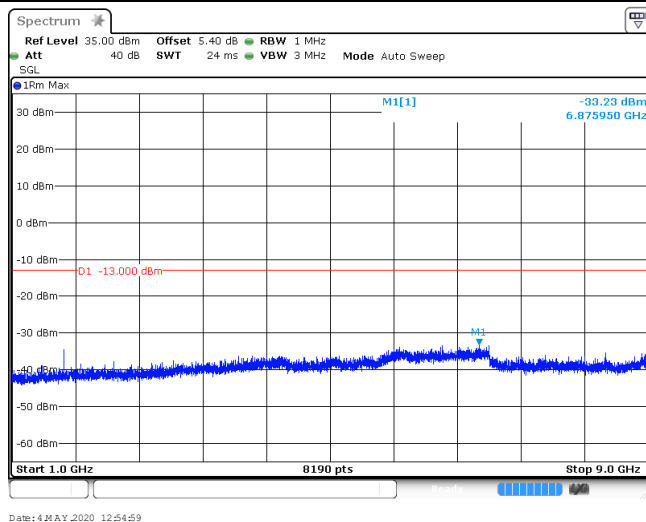


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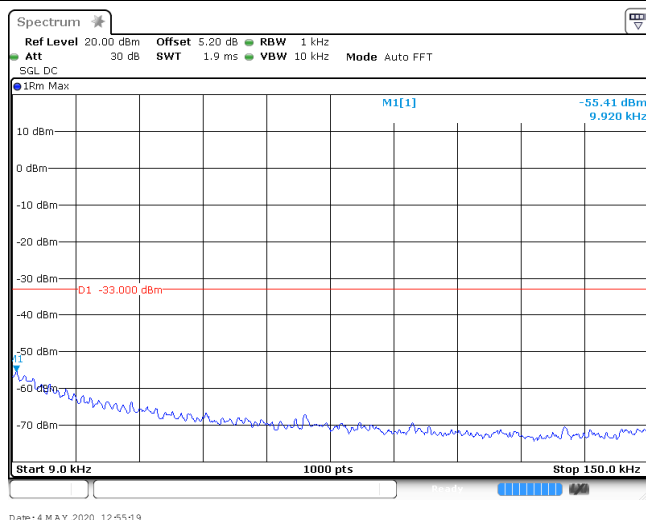


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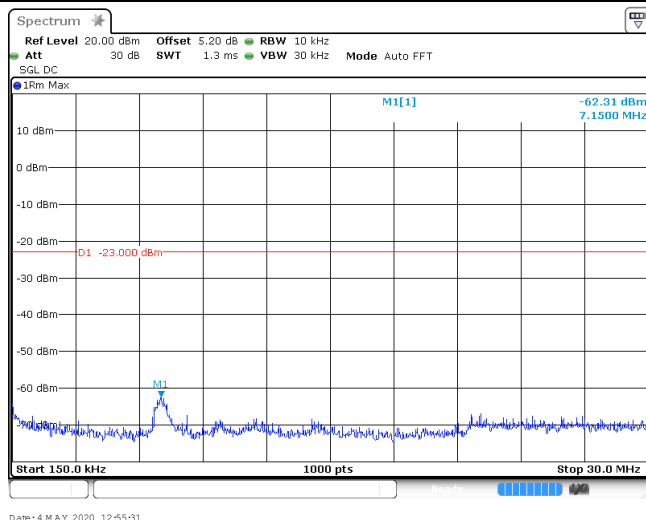


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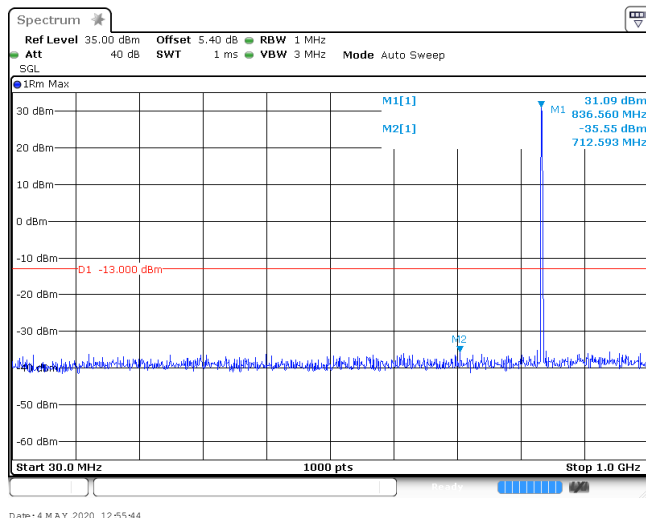
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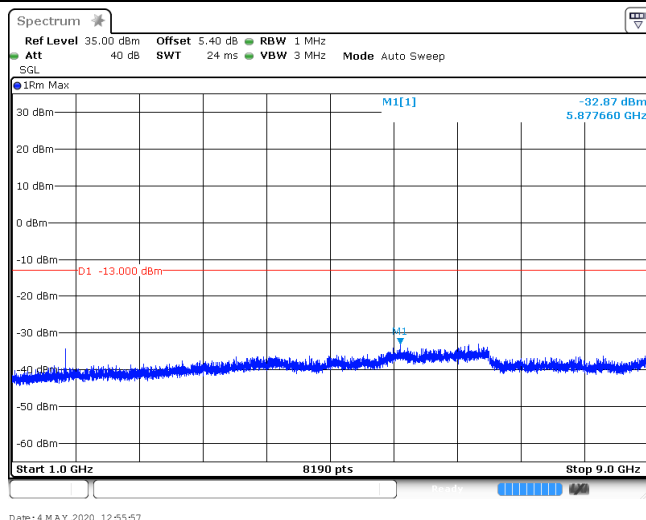
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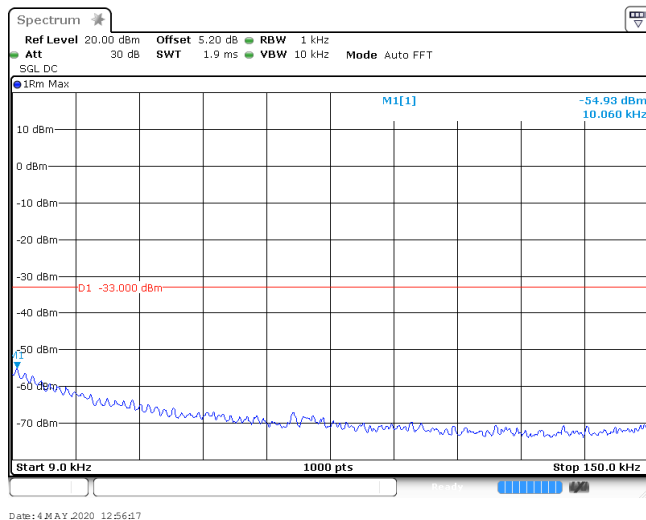


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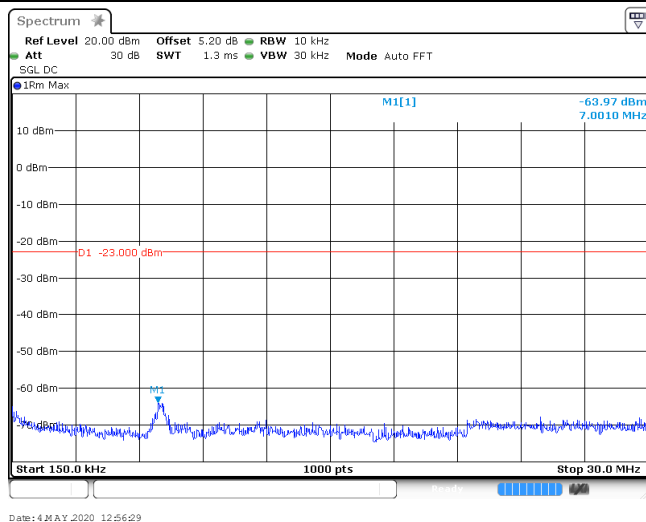


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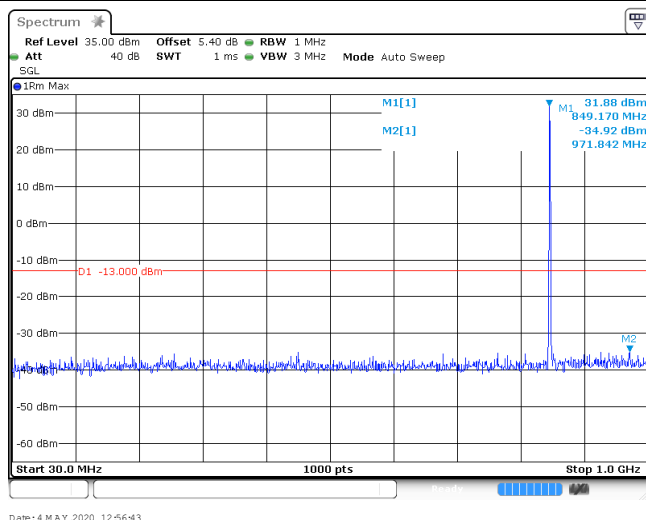


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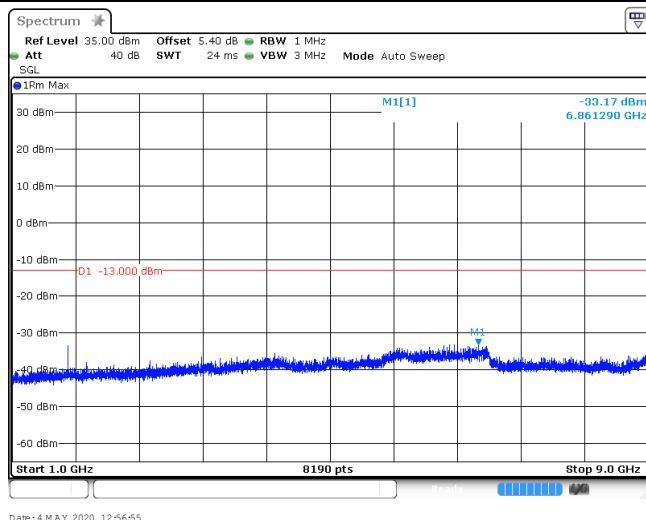


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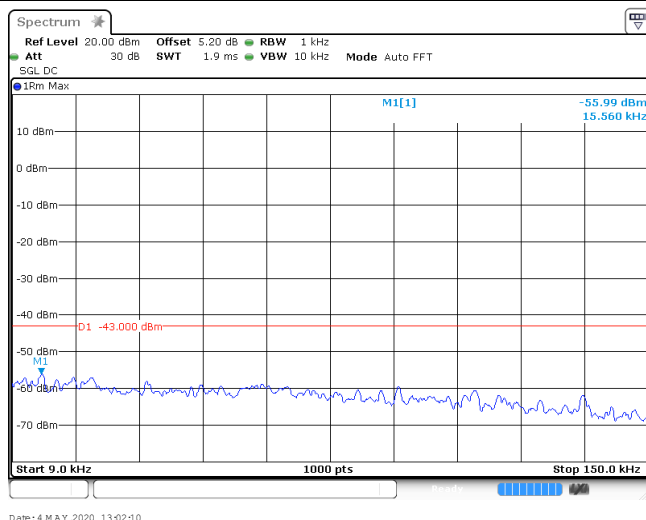
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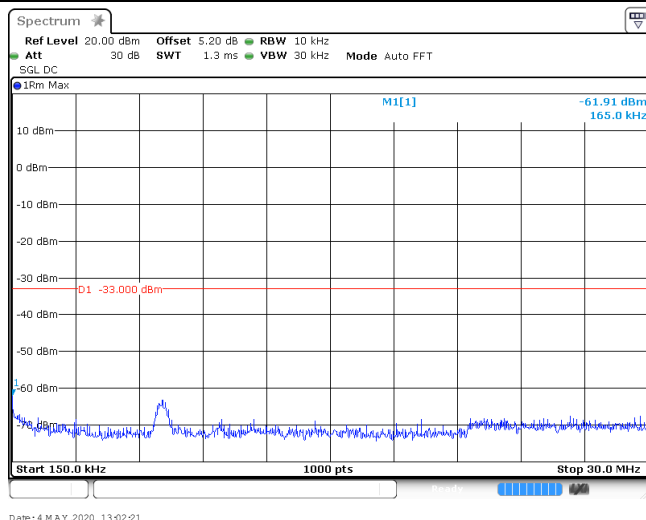
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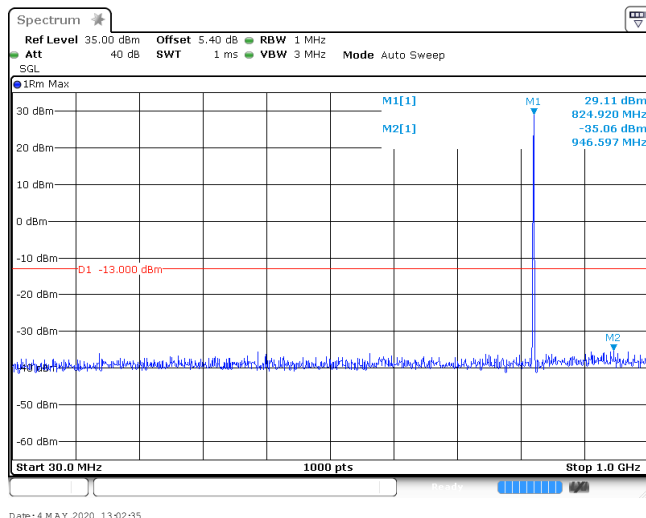


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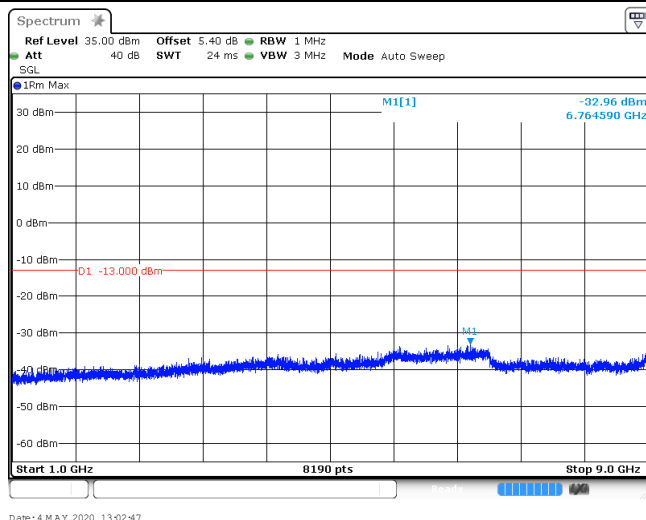


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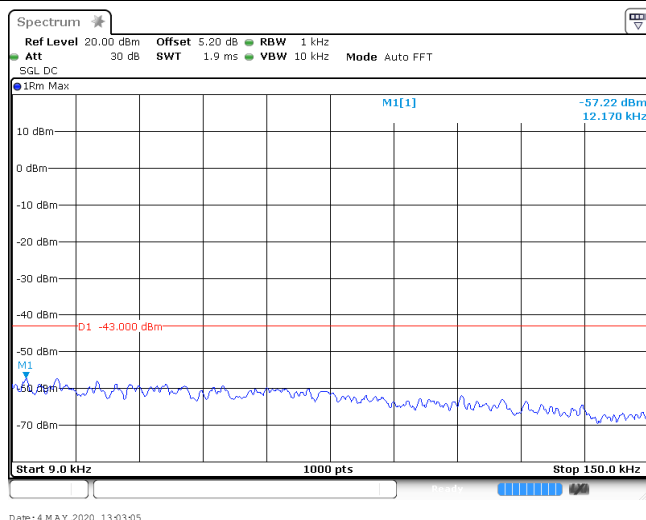
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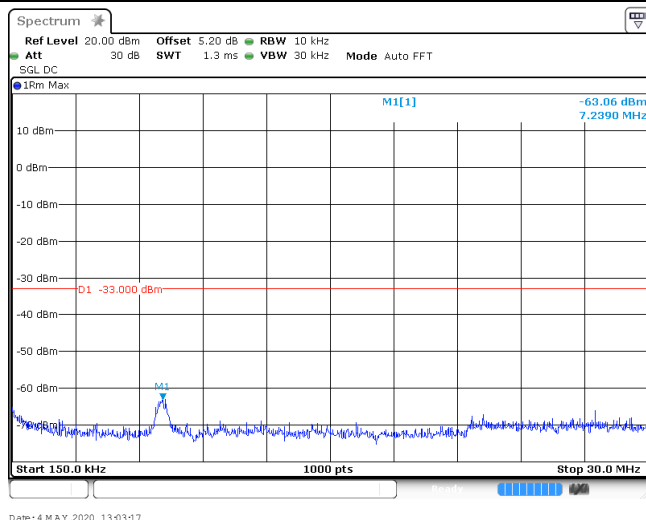
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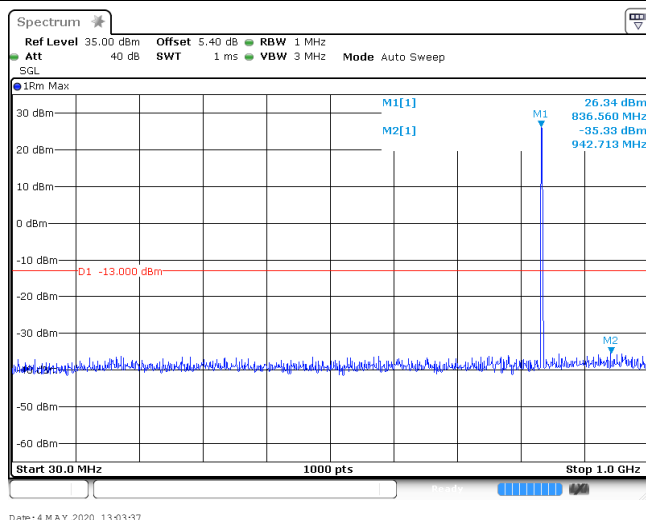


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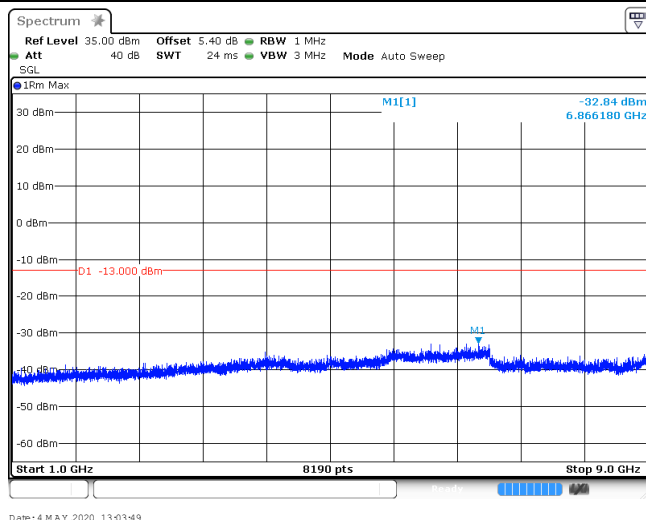


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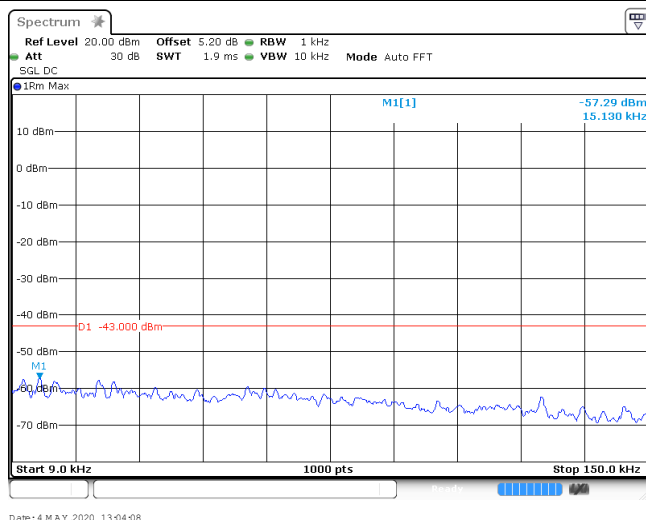
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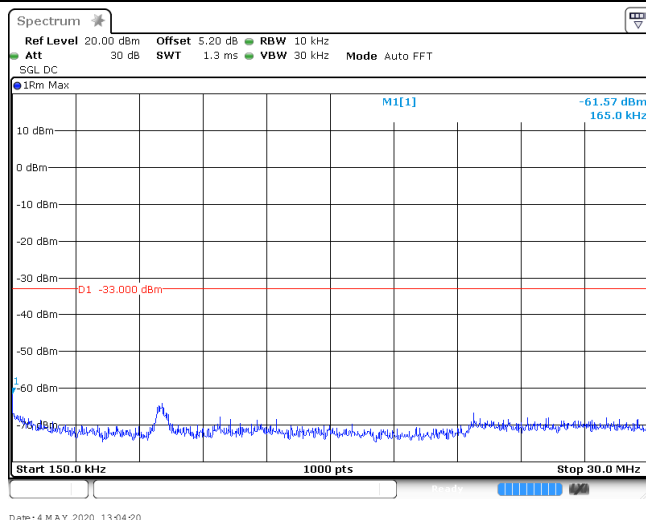
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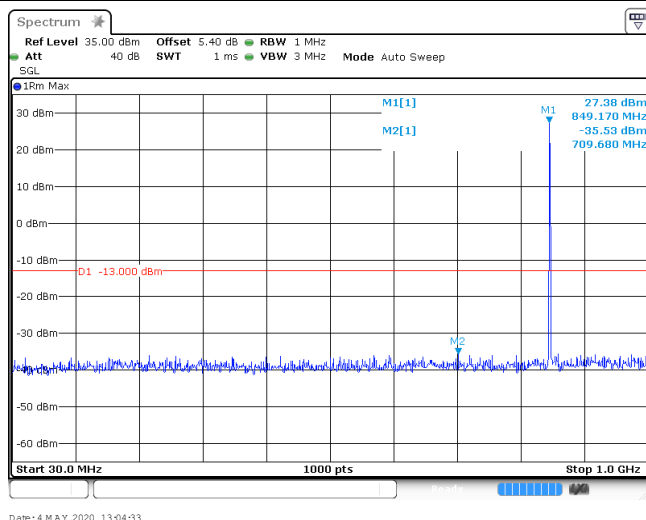


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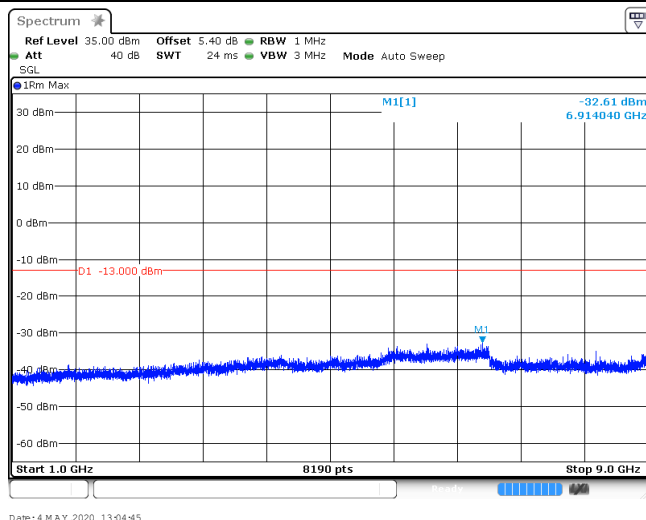


EGPRS850_251





EGPRS850_251



GSM1900_512

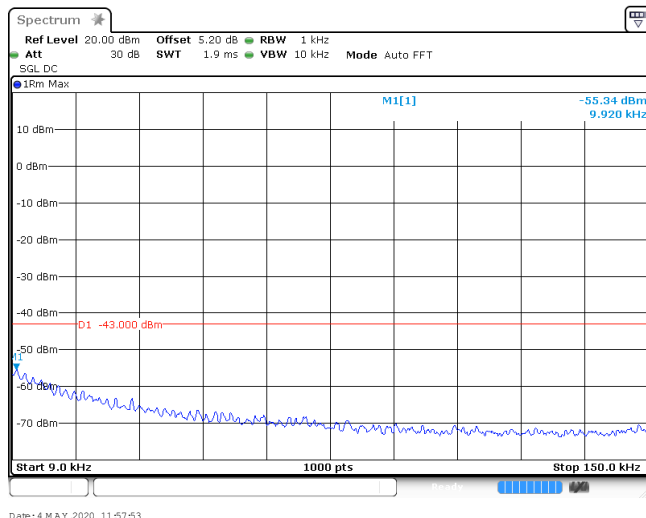


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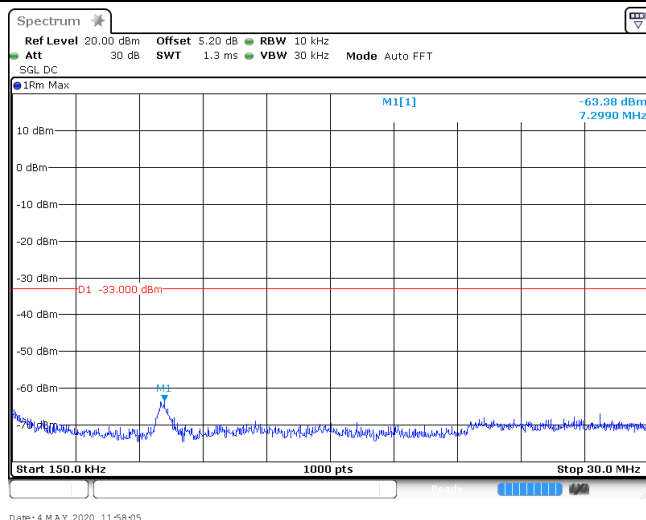
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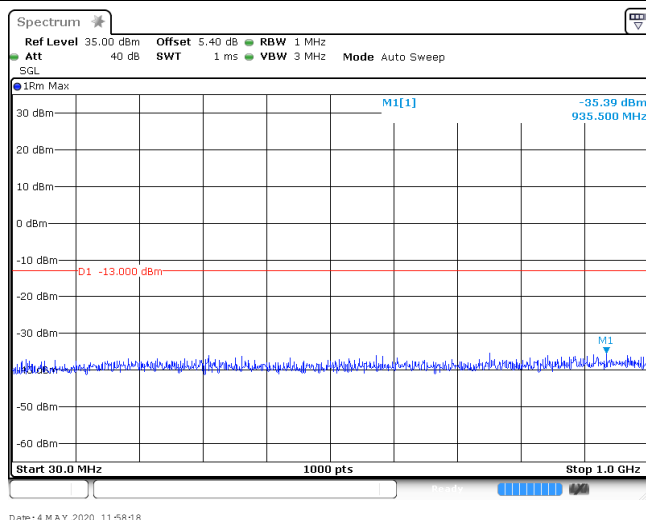


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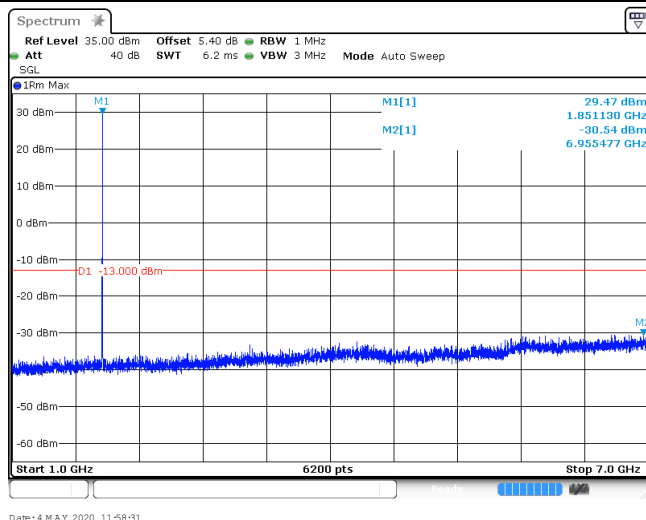
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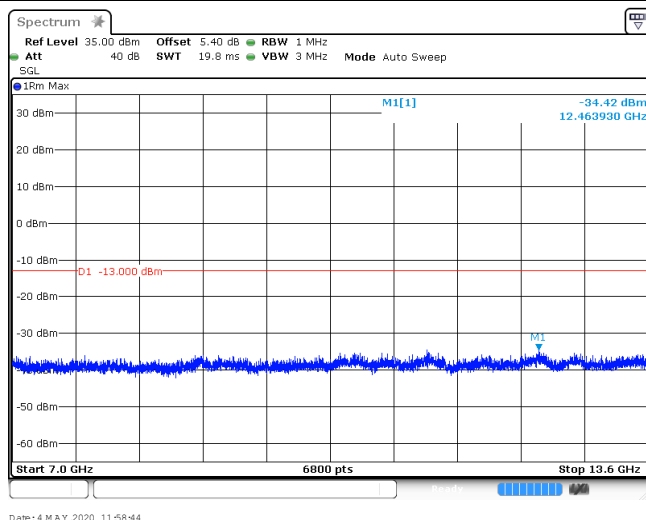
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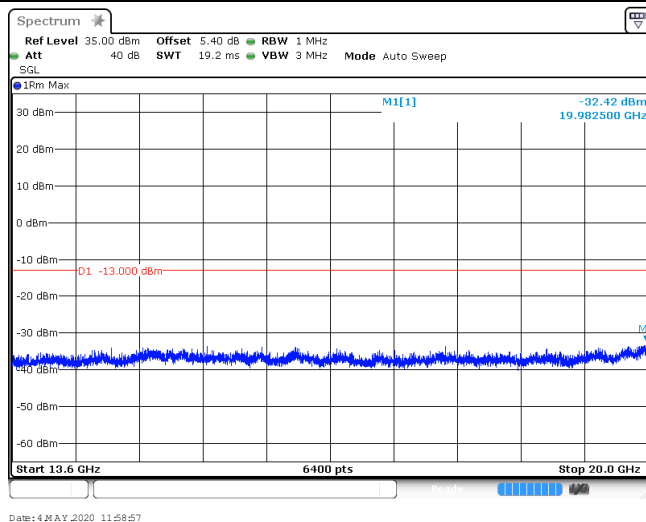


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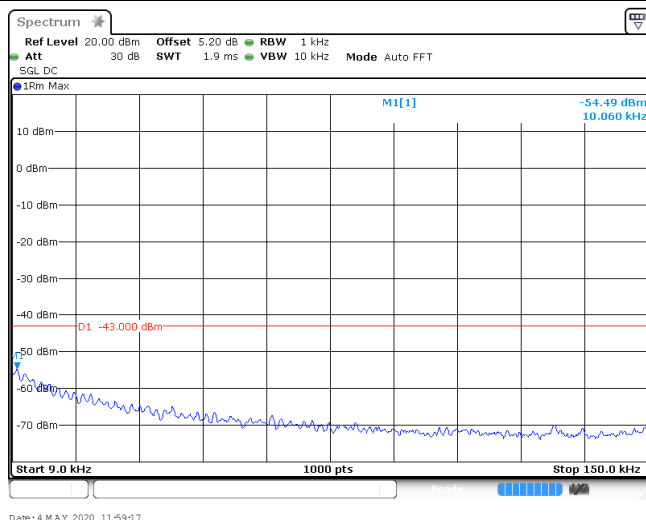


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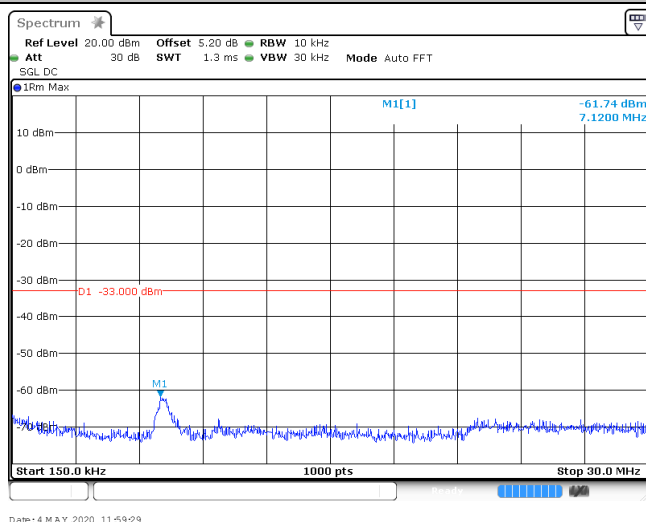
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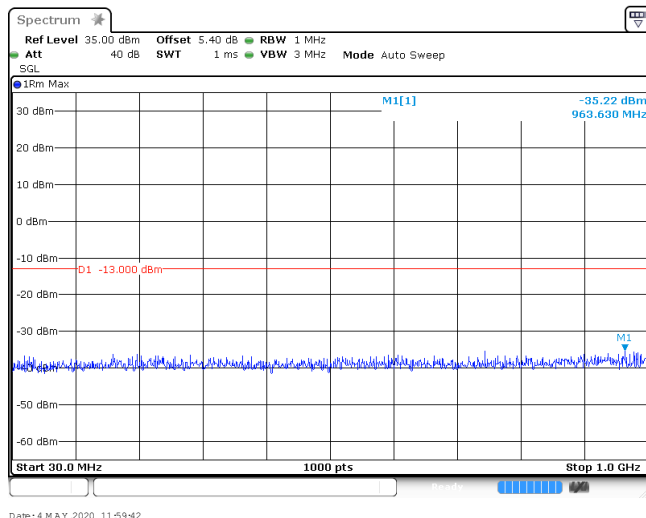


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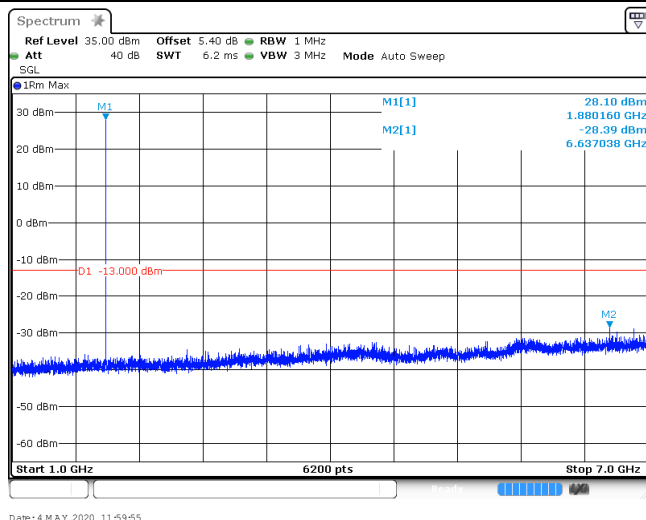


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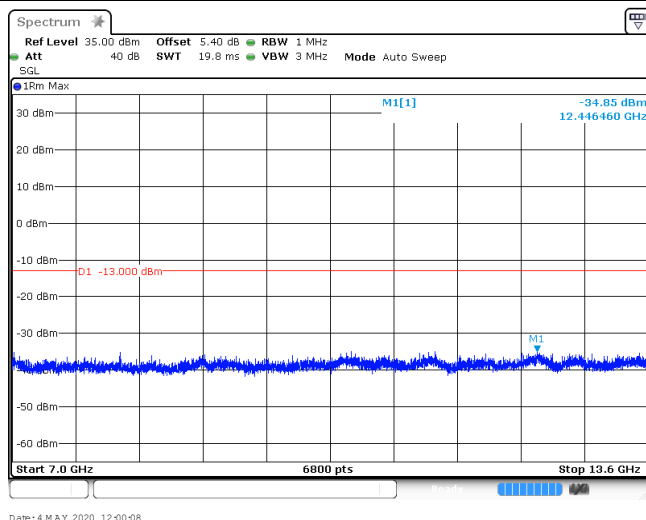


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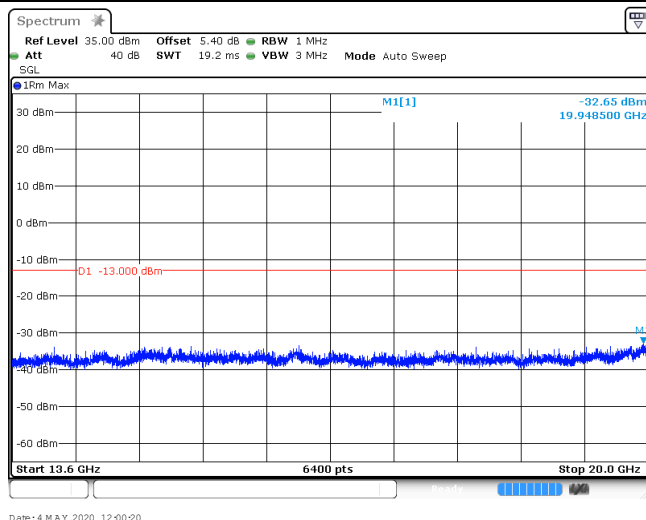


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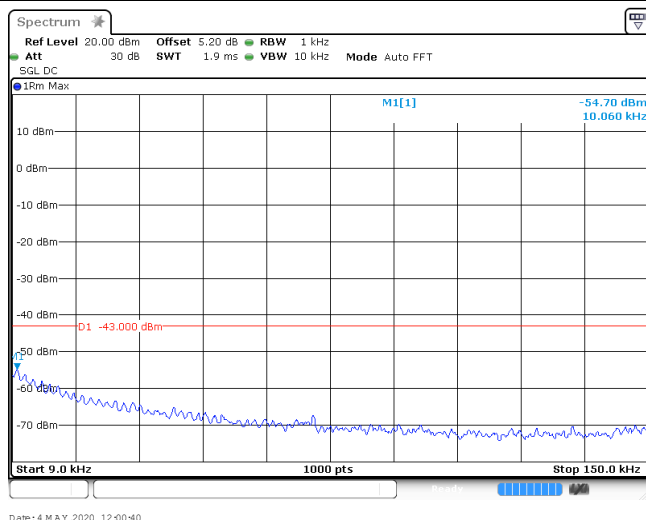


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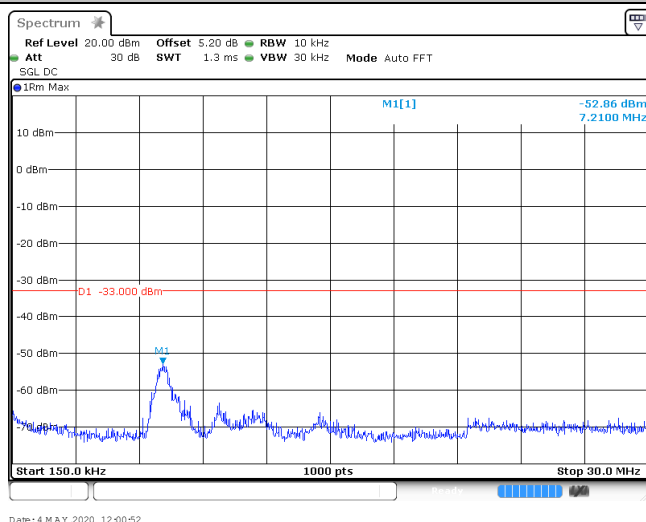


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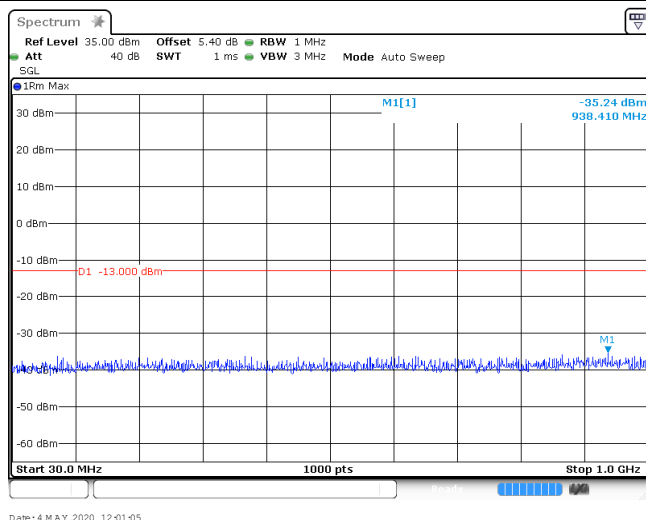


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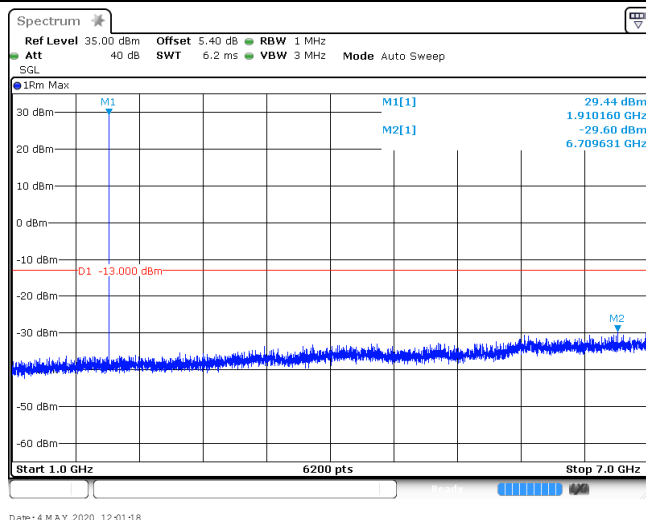


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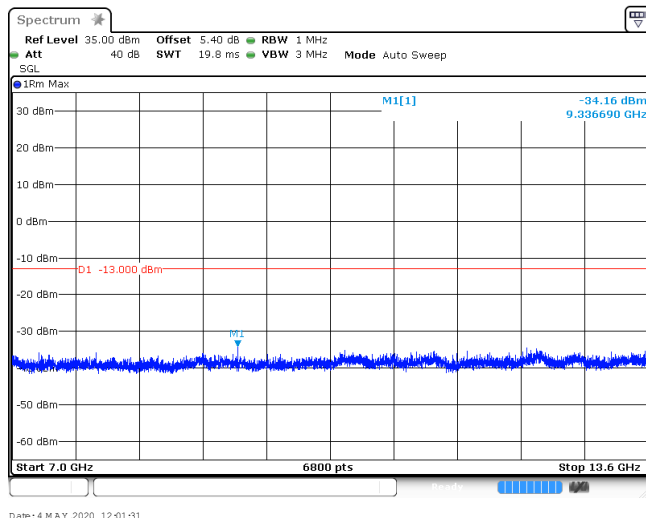


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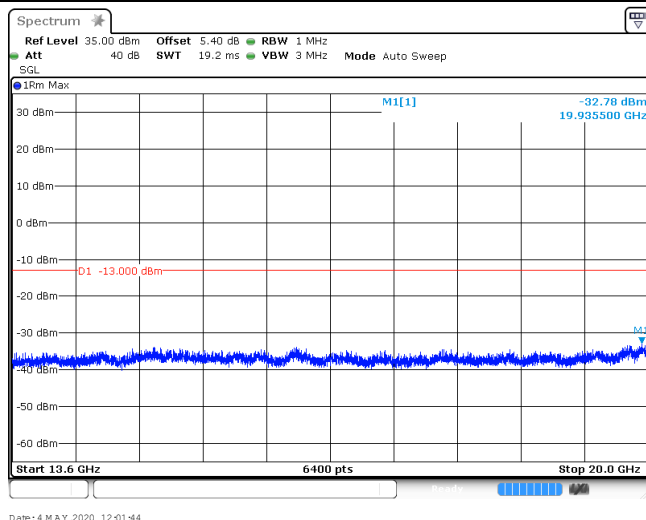


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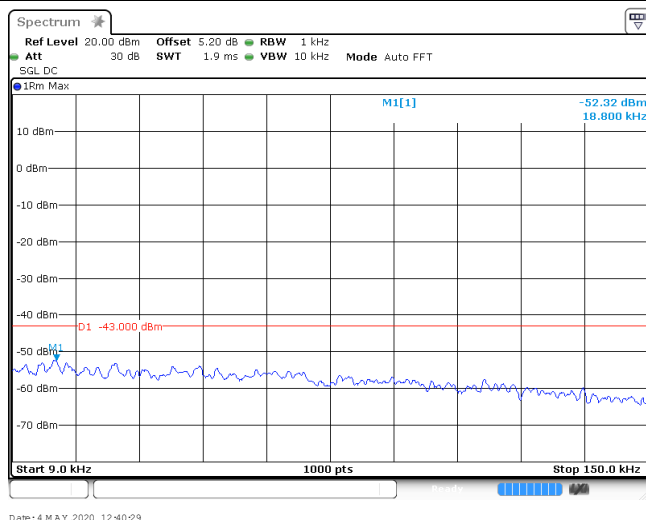


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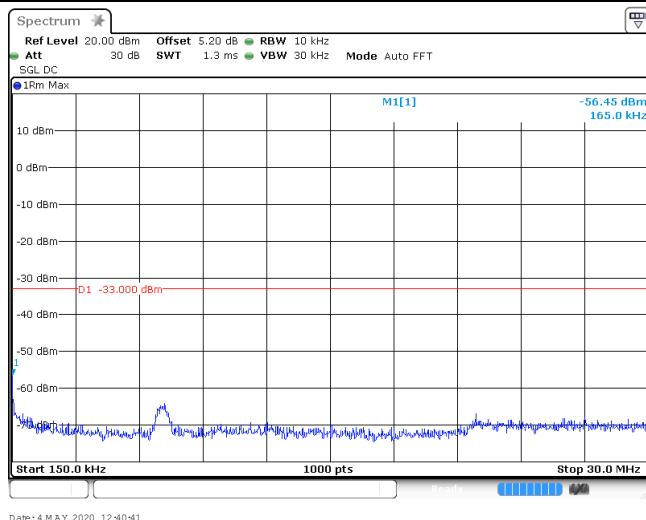


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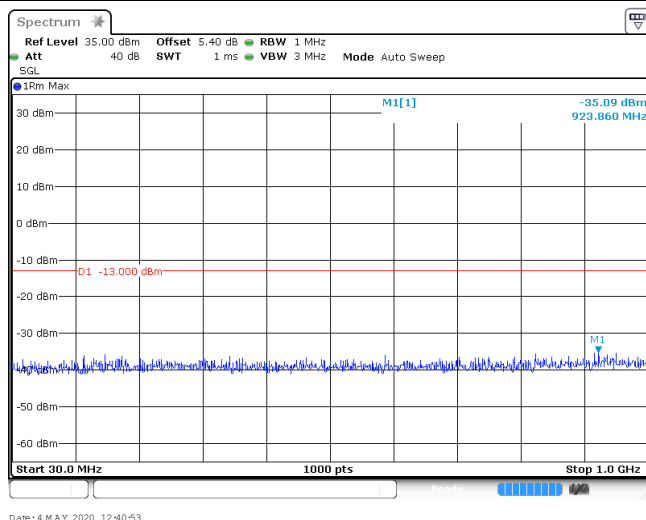


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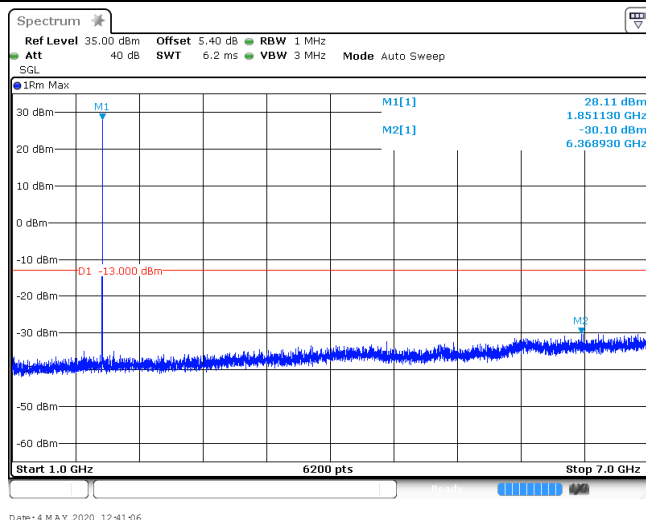
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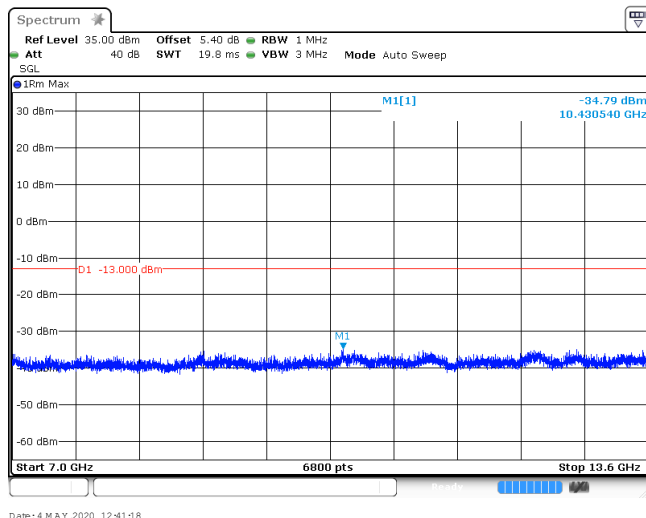


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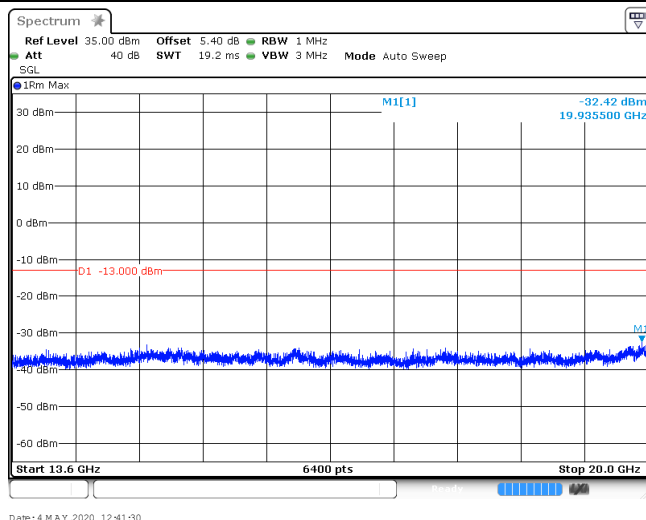
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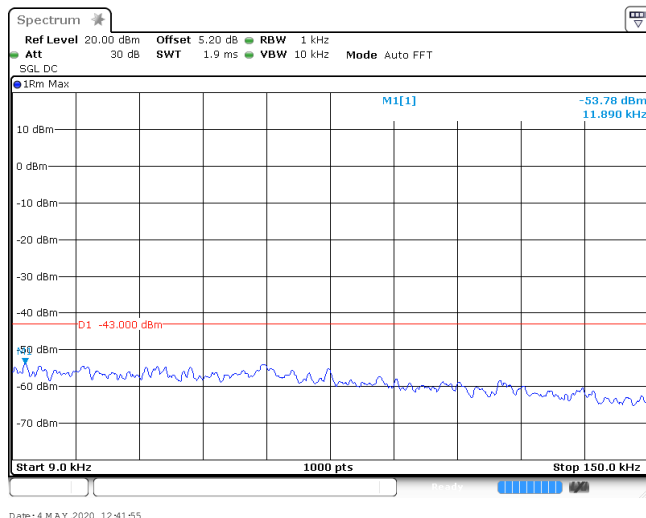


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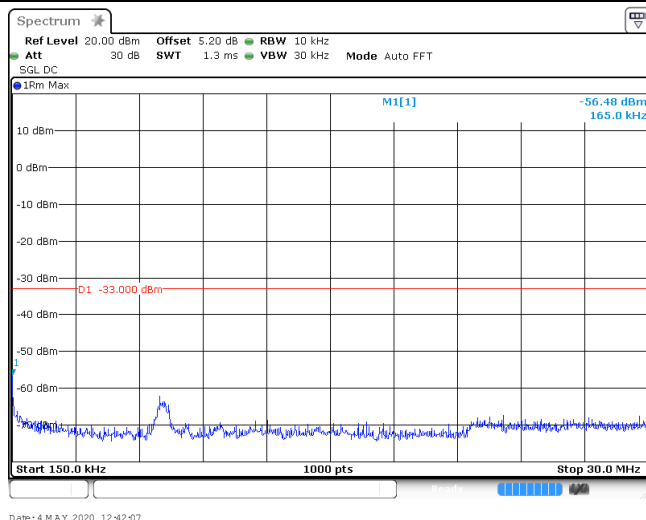


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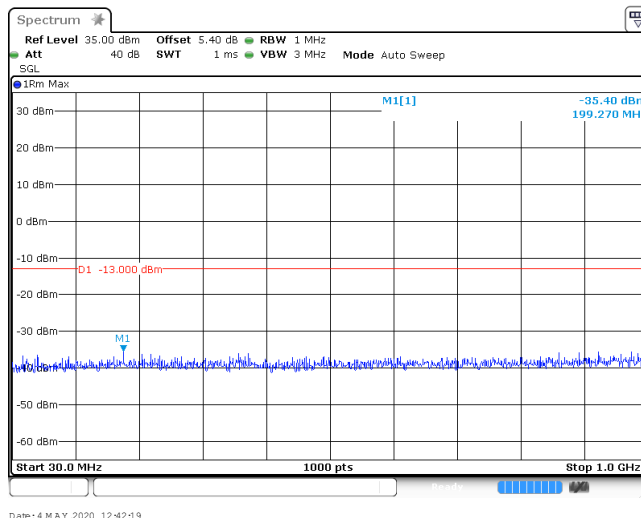
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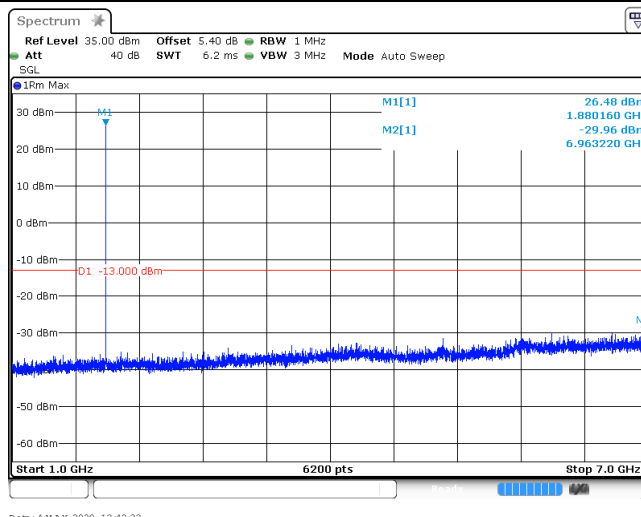
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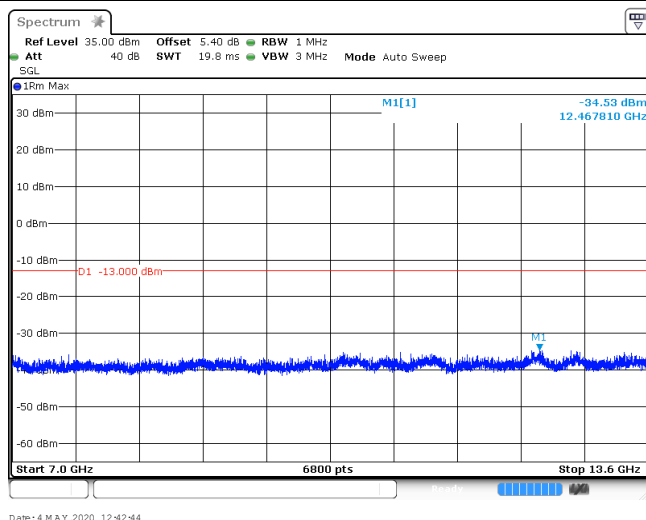
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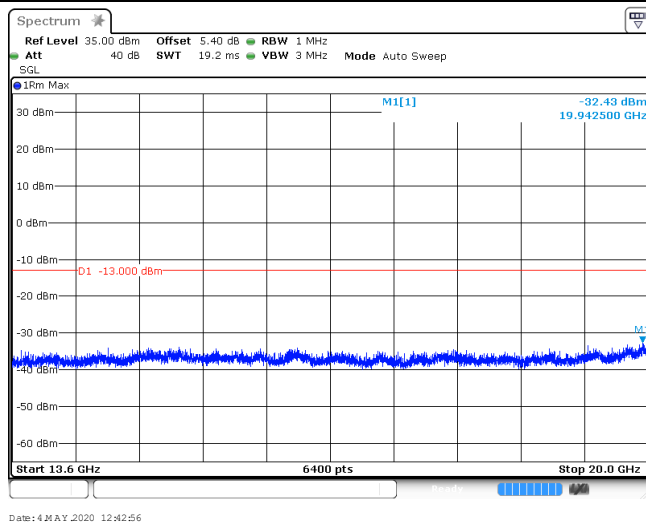


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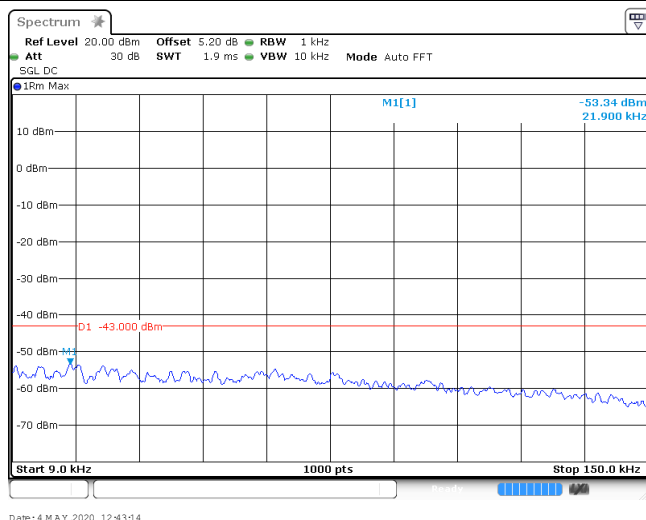


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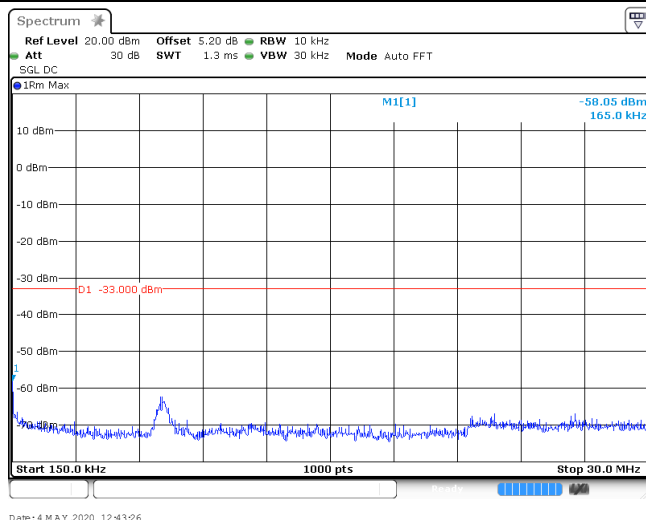


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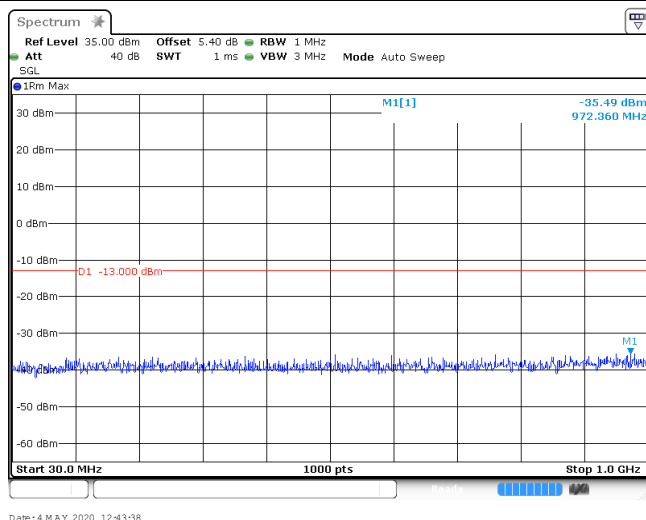
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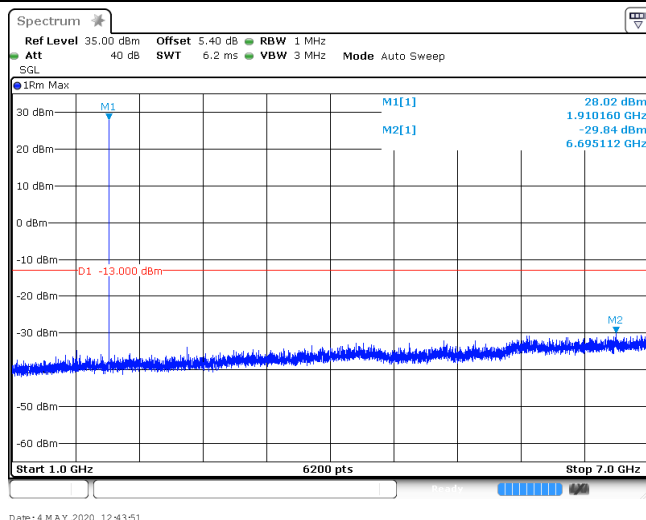
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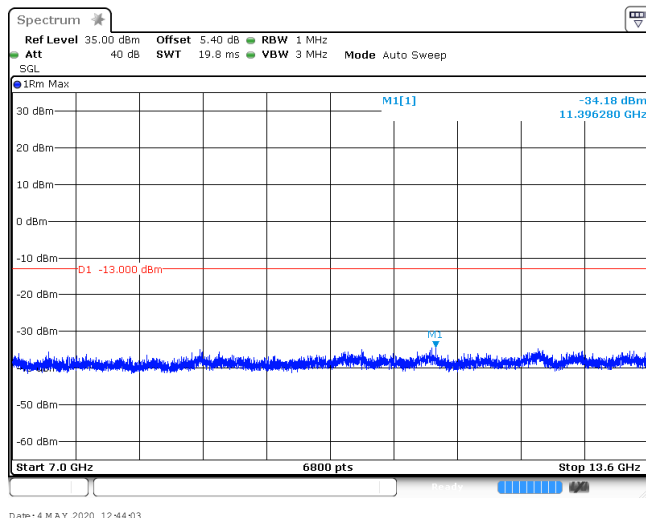


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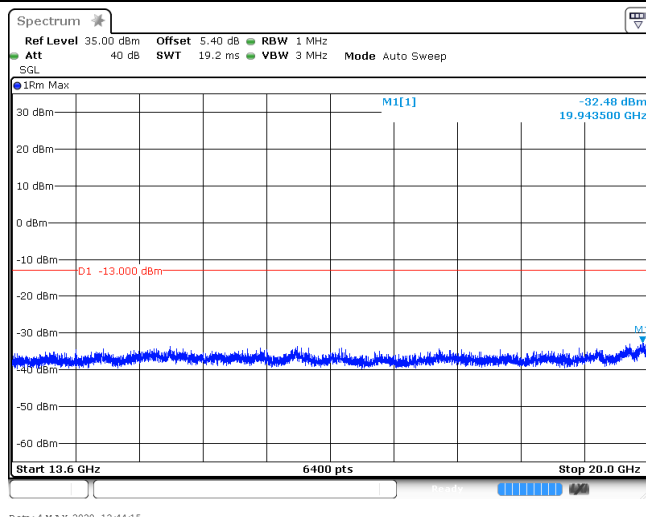
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Date: 4 MAY 2020 12:44:03

EGPRS1900_810



Date: 4 MAY 2020 12:44:15





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
56.044500	-73.70	-13.00	60.70	Vertical
323.813000	-78.62	-13.00	65.62	Vertical
950.384500	-72.00	-13.00	59.00	Vertical
3700.350000	-53.55	-13.00	40.55	Vertical
5550.450000	-52.00	-13.00	39.00	Vertical
9295.100000	-51.72	-13.00	38.72	Vertical
57.257000	-66.88	-13.00	53.88	Horizontal
225.018500	-75.76	-13.00	62.76	Horizontal
965.031500	-71.22	-13.00	58.22	Horizontal
3700.000000	-52.80	-13.00	39.80	Horizontal
5550.450000	-45.29	-13.00	32.29	Horizontal
10608.712500	-50.08	-13.00	37.08	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
56.626500	-67.84	-13.00	54.84	Vertical
556.564500	-75.36	-13.00	62.36	Vertical
964.934500	-70.48	-13.00	57.48	Vertical
3759.850000	-50.22	-13.00	37.22	Vertical
5640.050000	-39.01	-13.00	26.01	Vertical
9464.500000	-51.46	-13.00	38.46	Vertical
56.529500	-66.16	-13.00	53.16	Horizontal
227.443500	-75.53	-13.00	62.53	Horizontal
942.576000	-71.14	-13.00	58.14	Horizontal
3759.500000	-56.11	-13.00	43.11	Horizontal
5639.700000	-48.09	-13.00	35.09	Horizontal
9256.950000	-51.78	-13.00	38.78	Horizontal

7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
55.559500	-71.65	-13.00	58.65	Vertical
309.311500	-78.51	-13.00	65.51	Vertical
942.576000	-71.29	-13.00	58.29	Vertical
3819.350000	-50.48	-13.00	37.48	Vertical



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5729.300000	-52.89	-13.00	39.89	Vertical
8666.150000	-52.14	-13.00	39.14	Vertical
57.160000	-69.20	-13.00	56.20	Horizontal
226.619000	-76.11	-13.00	63.11	Horizontal
930.451000	-71.19	-13.00	58.19	Horizontal
3819.350000	-53.06	-13.00	40.06	Horizontal
5729.650000	-48.58	-13.00	35.58	Horizontal
10529.787500	-51.19	-13.00	38.19	Horizontal

7.2. Test Band = GSM 850

7.2.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
56.190000	-72.37	-13.00	59.37	Vertical
339.866500	-78.51	-13.00	65.51	Vertical
619.275000	-75.96	-13.00	62.96	Vertical
1648.500000	-48.45	-13.00	35.45	Vertical
2457.825000	-29.62	-13.00	16.62	Vertical
3299.600000	-57.18	-13.00	44.18	Vertical
57.548000	-67.62	-13.00	54.62	Horizontal
224.727500	-77.55	-13.00	64.55	Horizontal
624.755500	-75.82	-13.00	62.82	Horizontal
1648.725000	-50.87	-13.00	37.87	Horizontal
2472.525000	-43.15	-13.00	30.15	Horizontal
4120.700000	-54.18	-13.00	41.18	Horizontal

7.2.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
55.899000	-70.35	-13.00	57.35	Vertical
332.009500	-78.56	-13.00	65.56	Vertical
1673.175000	-50.87	-13.00	37.87	Vertical
2509.875000	-40.31	-13.00	27.31	Vertical
3424.900000	-57.55	-13.00	44.55	Vertical
6599.750000	-53.76	-13.00	40.76	Vertical
56.966000	-65.35	-13.00	52.35	Horizontal
229.141000	-75.39	-13.00	62.39	Horizontal
624.319000	-75.54	-13.00	62.54	Horizontal
1673.025000	-51.15	-13.00	38.15	Horizontal
2509.425000	-44.32	-13.00	31.32	Horizontal
3368.900000	-57.11	-13.00	44.11	Horizontal



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7.2.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
56.335500	-72.21	-13.00	59.21	Vertical
338.896500	-78.30	-13.00	65.30	Vertical
599.778000	-76.26	-13.00	63.26	Vertical
1697.550000	-49.62	-13.00	36.62	Vertical
2546.325000	-41.29	-13.00	28.29	Vertical
4243.900000	-53.33	-13.00	40.33	Vertical
57.548000	-67.51	-13.00	54.51	Horizontal
222.108500	-77.40	-13.00	64.40	Horizontal
624.076500	-75.15	-13.00	62.15	Horizontal
1697.625000	-51.94	-13.00	38.94	Horizontal
2546.625000	-46.79	-13.00	33.79	Horizontal
4244.250000	-53.22	-13.00	40.22	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.





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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8.1. 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	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
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