



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	26.22	38.45	PASS
GSM850	190	---	33.27	26.12	38.45	PASS
GSM850	251	---	33.12	25.97	38.45	PASS
EGPRS850	128	1	27.46	20.31	38.45	PASS
EGPRS850	128	2	26.35	19.2	38.45	PASS
EGPRS850	128	3	24.35	17.2	38.45	PASS
EGPRS850	128	4	23.34	16.19	38.45	PASS
EGPRS850	190	1	27.56	20.41	38.45	PASS
EGPRS850	190	2	26.48	19.33	38.45	PASS
EGPRS850	190	3	24.46	17.31	38.45	PASS
EGPRS850	190	4	23.50	16.35	38.45	PASS
EGPRS850	251	1	27.69	20.54	38.45	PASS
EGPRS850	251	2	26.60	19.45	38.45	PASS
EGPRS850	251	3	24.52	17.37	38.45	PASS
EGPRS850	251	4	23.64	16.49	38.45	PASS

Band	Channel	Slot	Conducted Power (dBm)	EIRP (dBm)	Limit(dBm)	Verdict
GSM1900	512	---	30.26	27.76	33.00	PASS
GSM1900	661	---	30.42	27.92	33.00	PASS
GSM1900	810	---	30.51	28.01	33.00	PASS
EGPRS1900	512	1	26.34	23.84	33.00	PASS
EGPRS1900	512	2	25.21	22.71	33.00	PASS
EGPRS1900	512	3	23.54	21.04	33.00	PASS
EGPRS1900	512	4	21.65	19.15	33.00	PASS
EGPRS1900	661	1	26.13	23.63	33.00	PASS
EGPRS1900	661	2	25.39	22.89	33.00	PASS
EGPRS1900	661	3	23.56	21.06	33.00	PASS
EGPRS1900	661	4	21.66	19.16	33.00	PASS
EGPRS1900	810	1	26.36	23.86	33.00	PASS
EGPRS1900	810	2	25.22	22.72	33.00	PASS
EGPRS1900	810	3	23.60	21.1	33.00	PASS
EGPRS1900	810	4	21.70	19.2	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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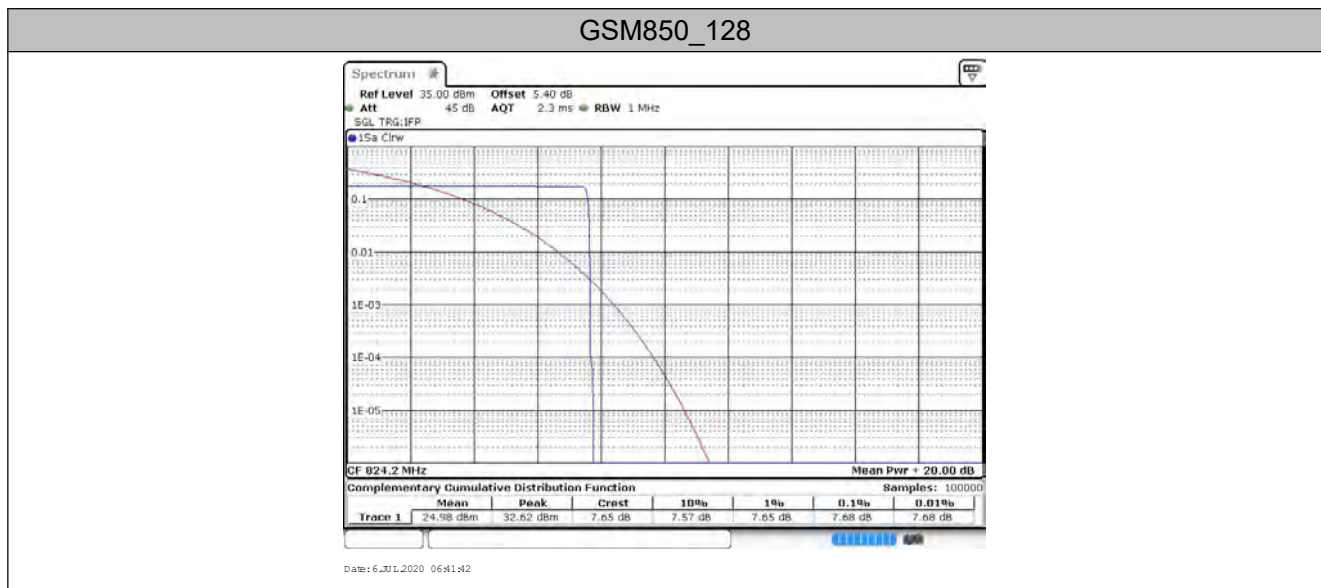


2. Peak-to-Average Ratio

2.1. Test Result

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
GSM850	128	7.68	13	PASS
GSM850	190	7.71	13	PASS
GSM850	251	7.74	13	PASS
EGPRS850	128	10.29	13	PASS
EGPRS850	190	4.61	13	PASS
EGPRS850	251	5.86	13	PASS
GSM1900	512	7.71	13	PASS
GSM1900	661	7.71	13	PASS
GSM1900	810	7.71	13	PASS
EGPRS1900	512	10.58	13	PASS
EGPRS1900	661	10.70	13	PASS
EGPRS1900	810	10.87	13	PASS

2.2. Part II - Test Plots



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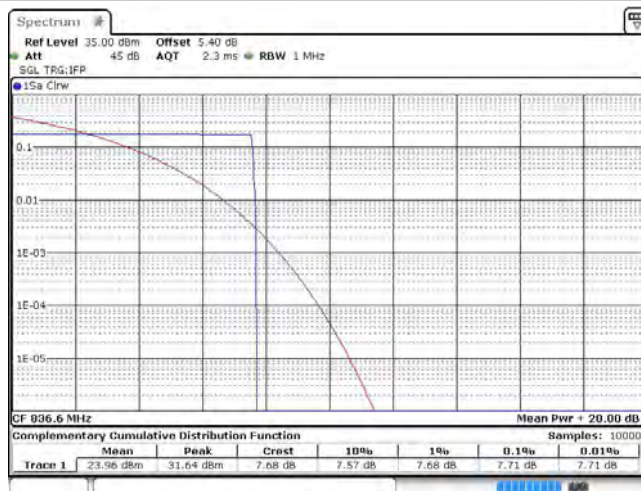
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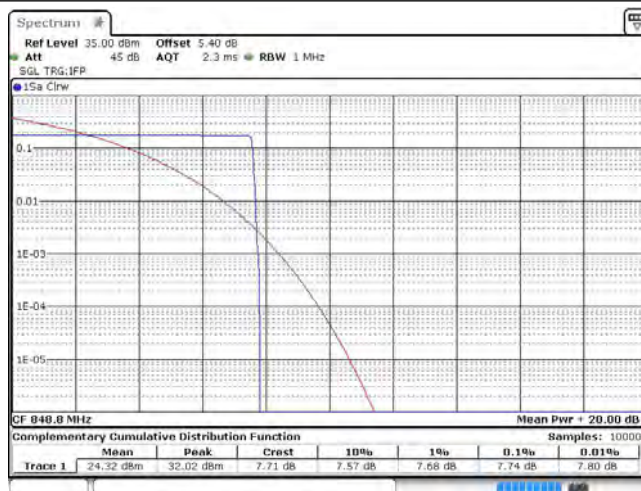


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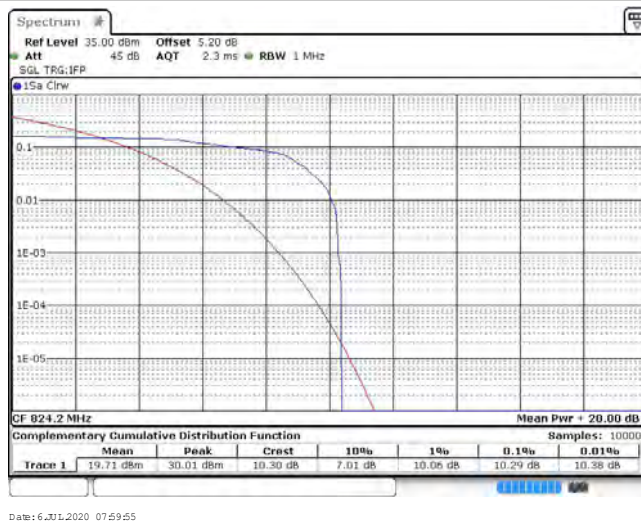


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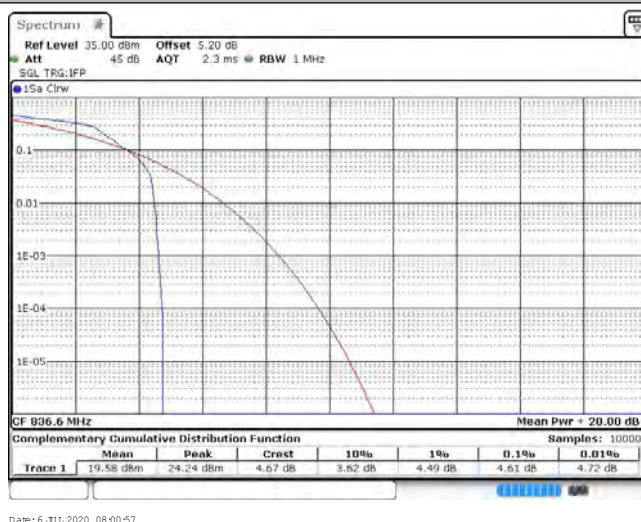
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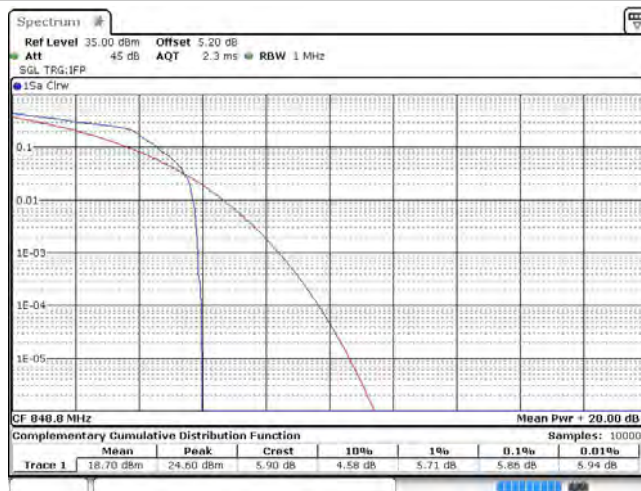


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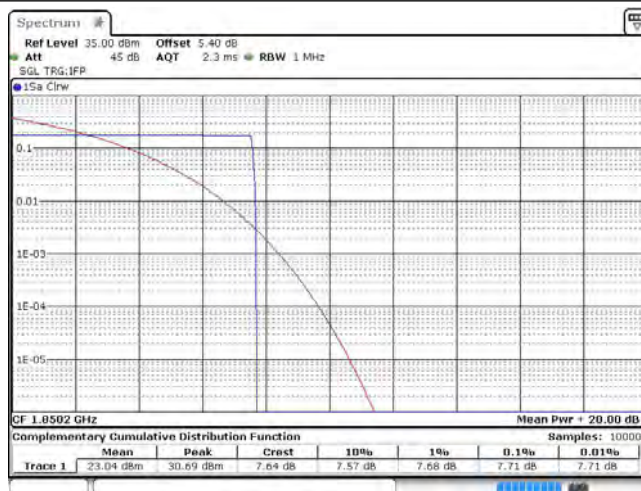


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GSM1900_512



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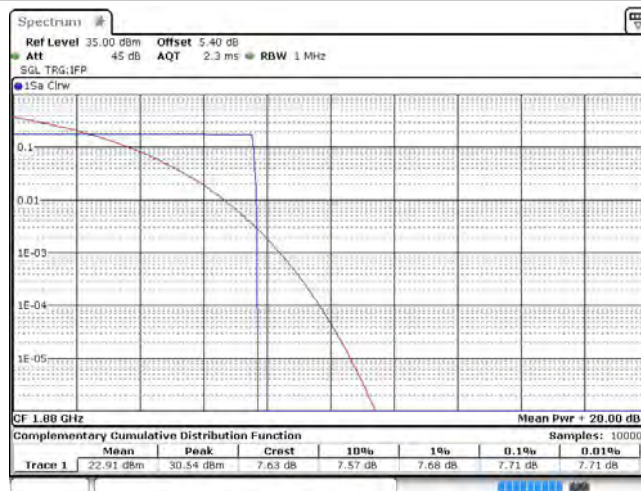


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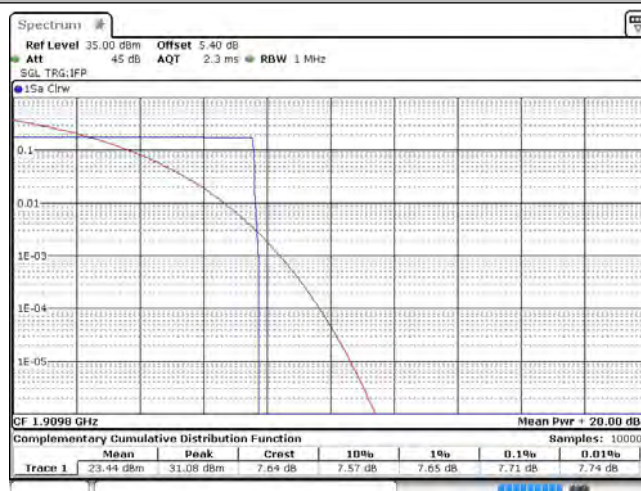


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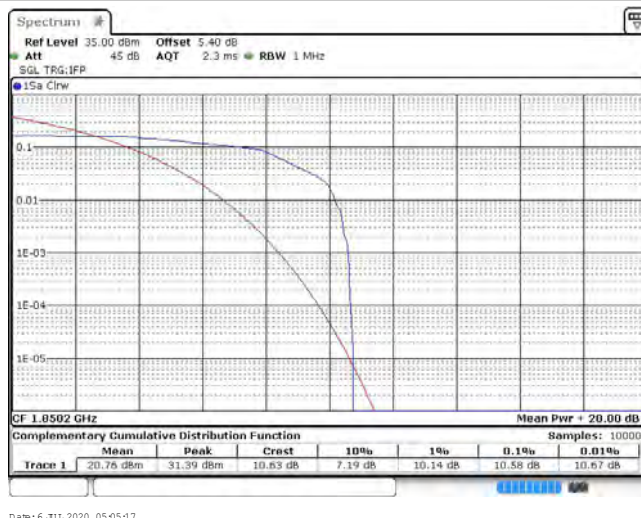


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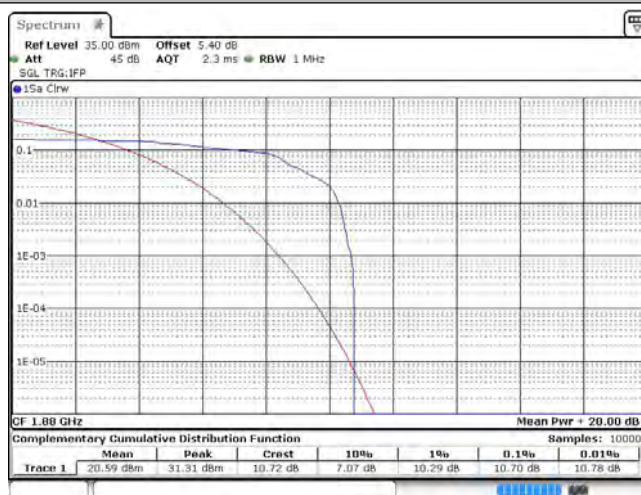


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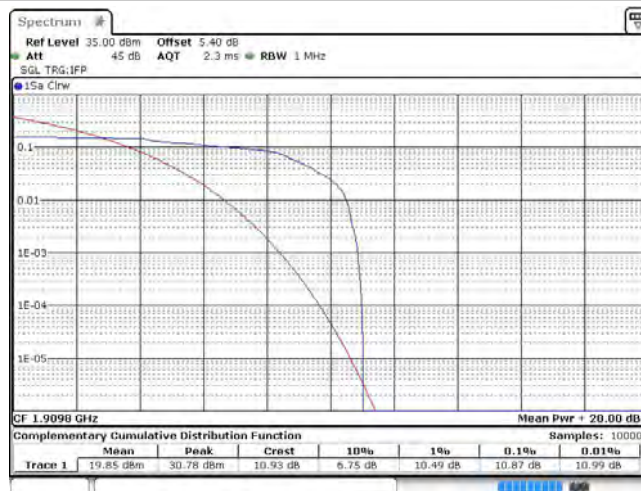


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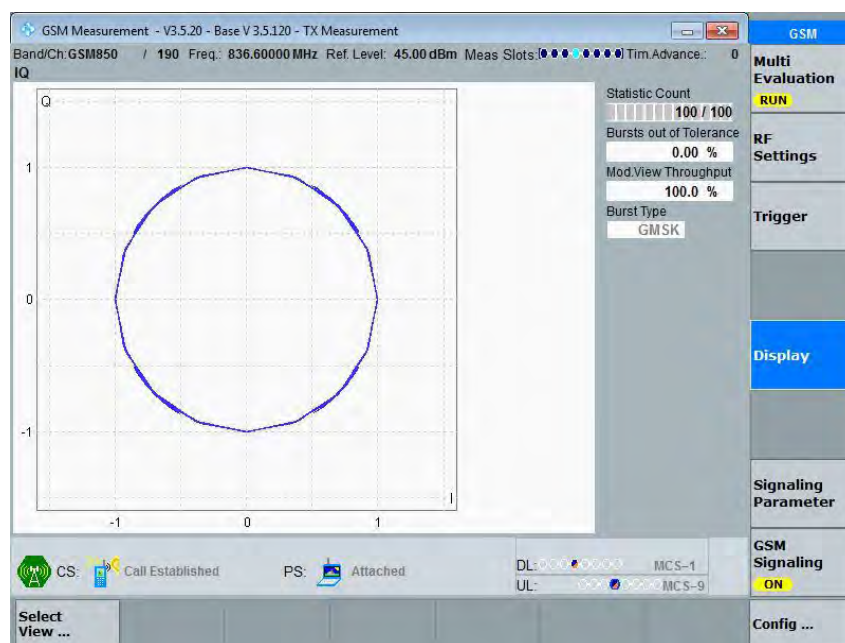
3. Modulation Characteristics

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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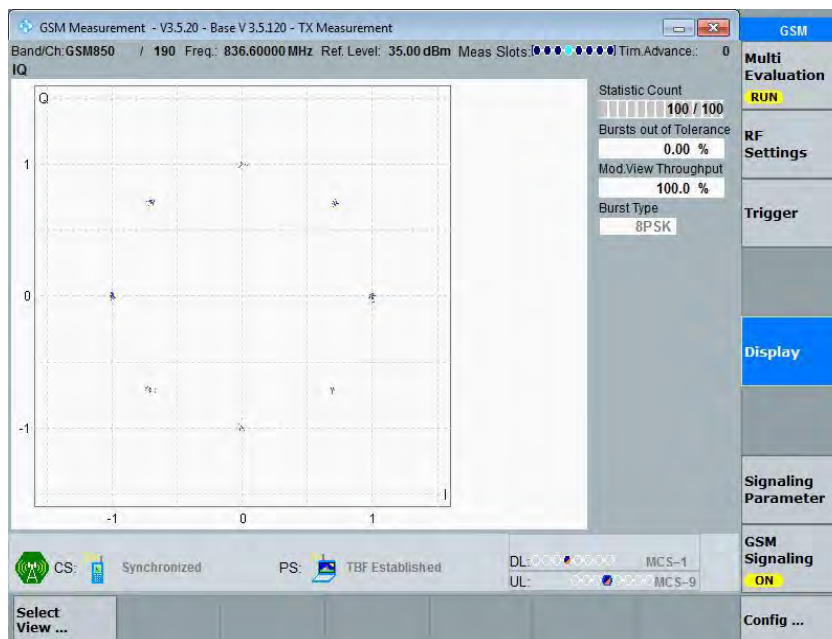
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3.1.1.2. Test Mode = GSM/TM2

3.1.1.2.1. Test Channel = MCH



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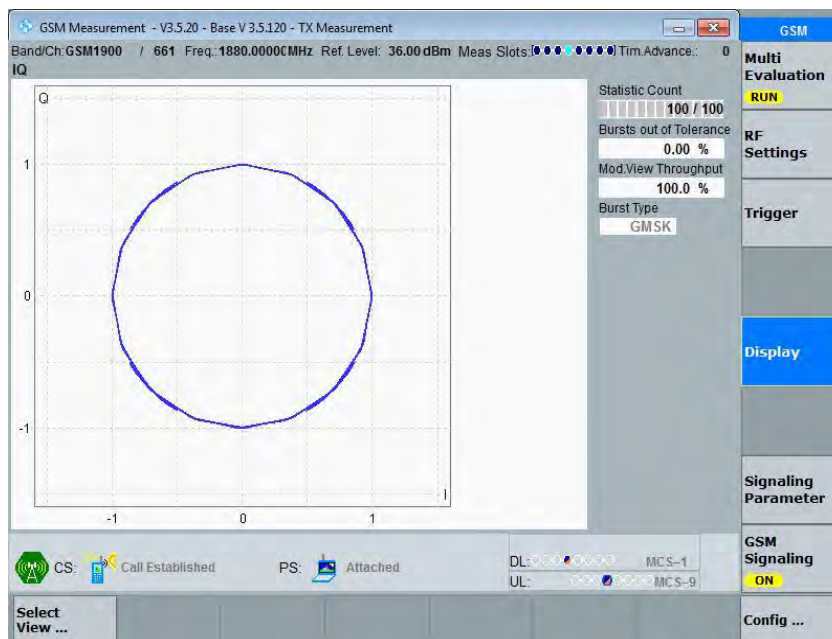
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3.1.2. Test Band = GSM 1900

3.1.2.1. Test Mode = GSM/TM1

3.1.2.1.1. Test Channel = MCH



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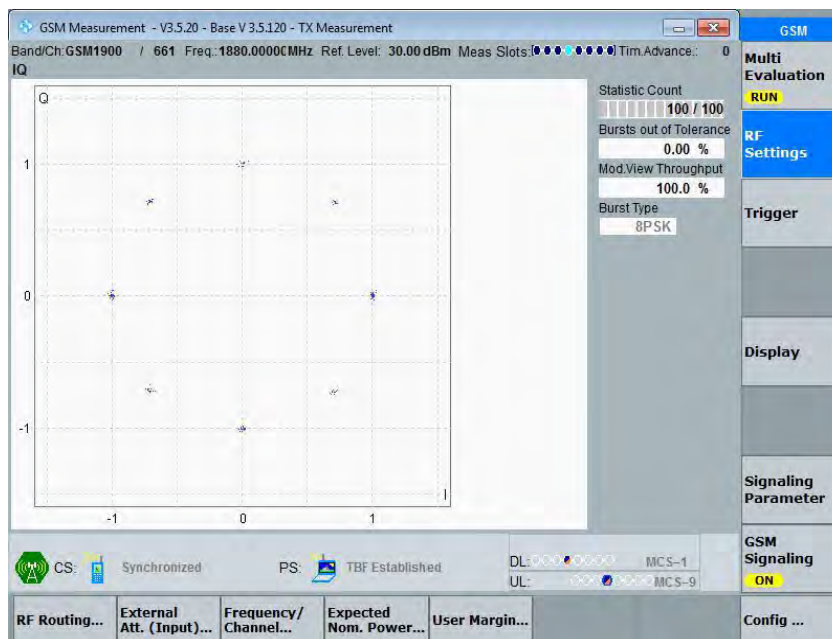
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3.1.2.2. Test Mode = GSM/TM2

3.1.2.2.1. Test Channel = MCH



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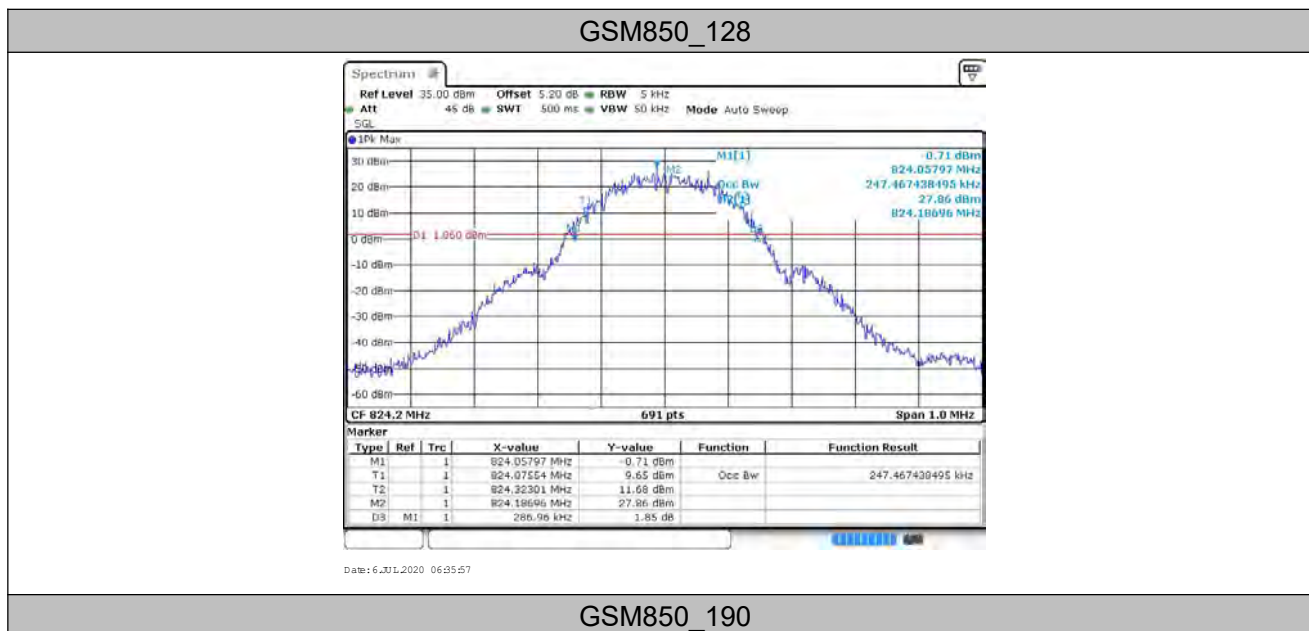


4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

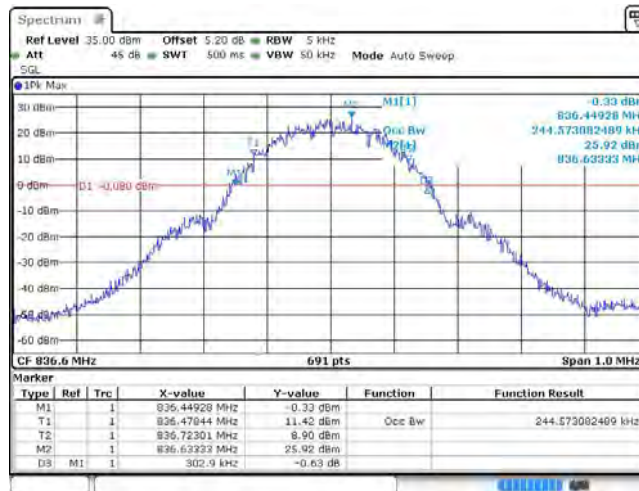
Band	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
GSM850	128	247.47	286.96	---	PASS
GSM850	190	244.57	302.90	---	PASS
GSM850	251	244.57	308.70	---	PASS
EGPRS850	128	256.15	292.75	---	PASS
EGPRS850	190	251.81	302.90	---	PASS
EGPRS850	251	250.36	307.25	---	PASS
GSM1900	512	244.57	310.14	---	PASS
GSM1900	661	247.47	311.59	---	PASS
GSM1900	810	243.13	307.25	---	PASS
EGPRS1900	512	241.68	298.55	---	PASS
EGPRS1900	661	244.57	295.65	---	PASS
EGPRS1900	810	244.57	288.41	---	PASS

4.2. Test Plots



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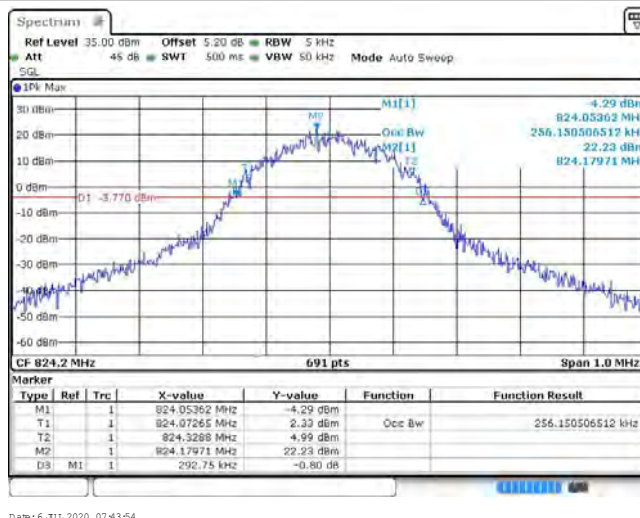
GSM850_251



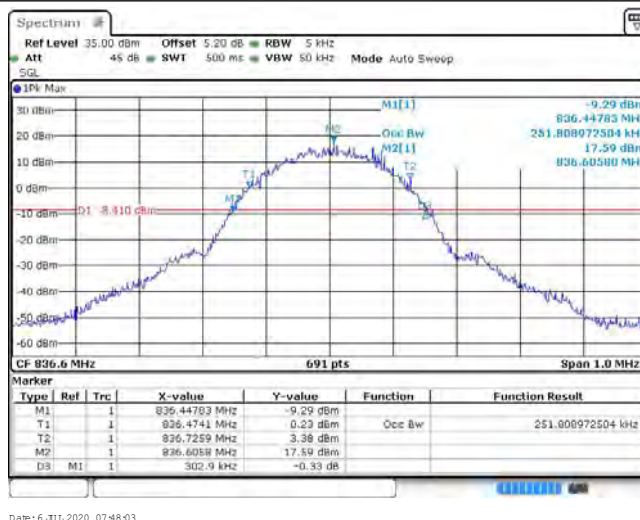
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EGPRS850_128

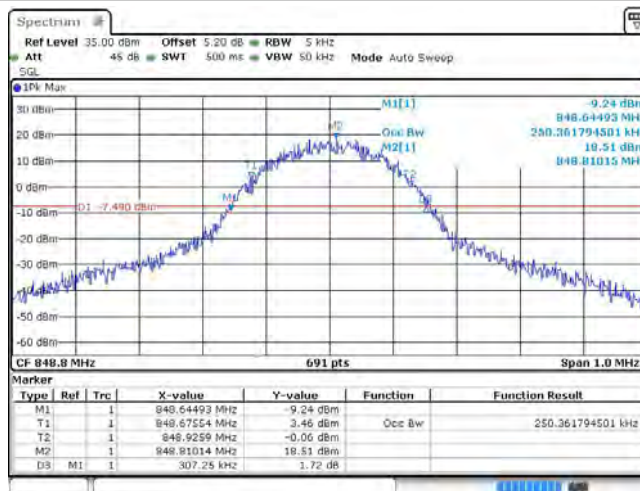


EGPRS850_190



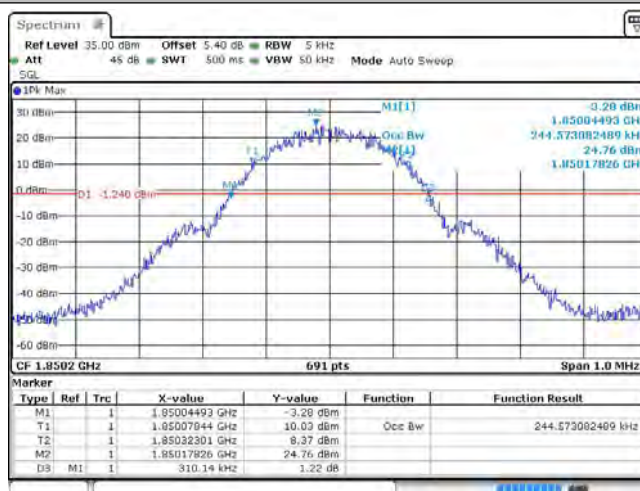


EGPRS850_251



Date: 6 JUL 2020 07:48:32

GSM1900_512



Date: 6 JUL 2020 04:49:24





GSM1900_661

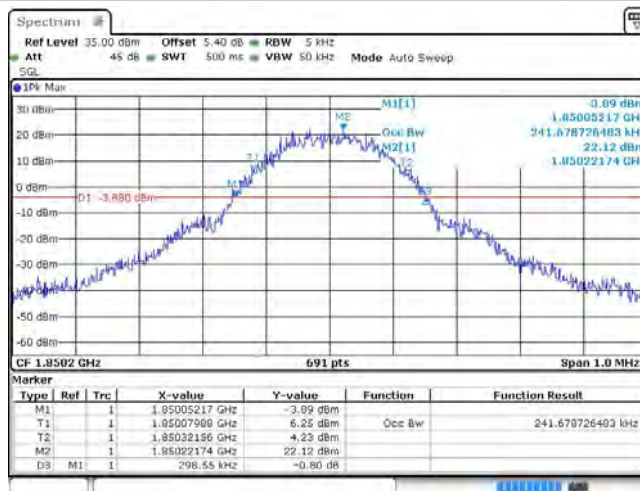


GSM1900_810



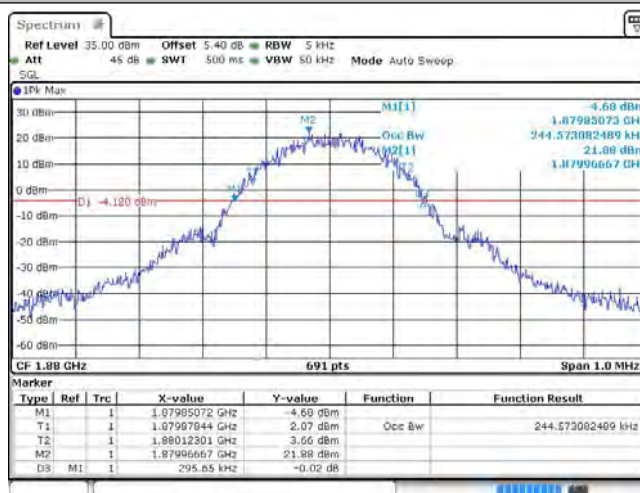


EGPRS1900_512



Date: 6.JUL.2020 04:58:23

EGPRS1900_661

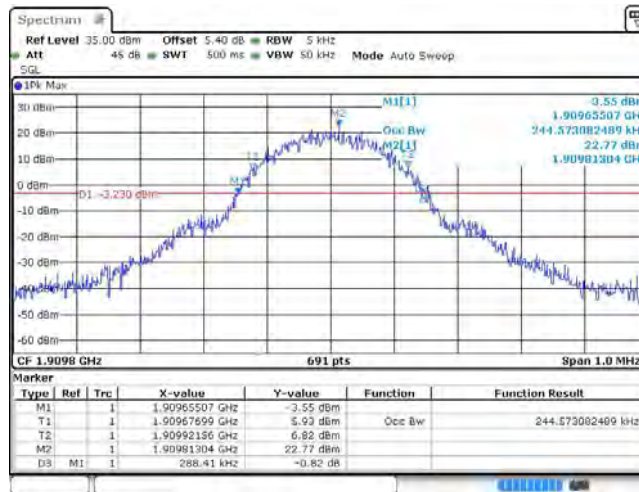


Date: 6.JUL.2020 04:58:51





EGPRS1900_810



Date: 6 JUL 2020 04:59:19



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5. Band Edge Compliance

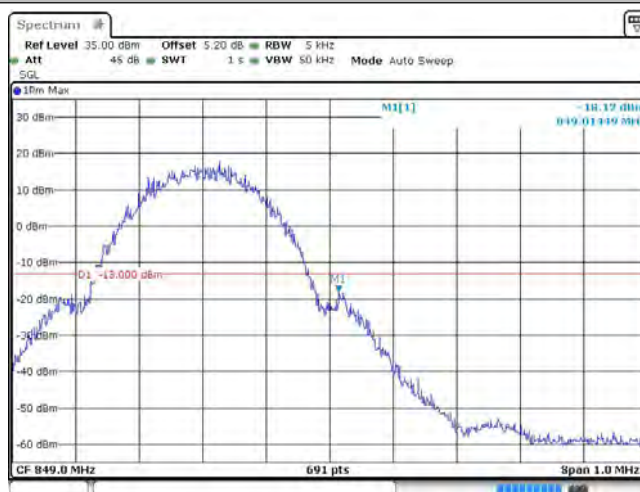
5.1. Test Plots

GSM850_128



Date: 6 JUL 2020 06:37:29

GSM850_251



Date: 6 JUL 2020 06:38:02



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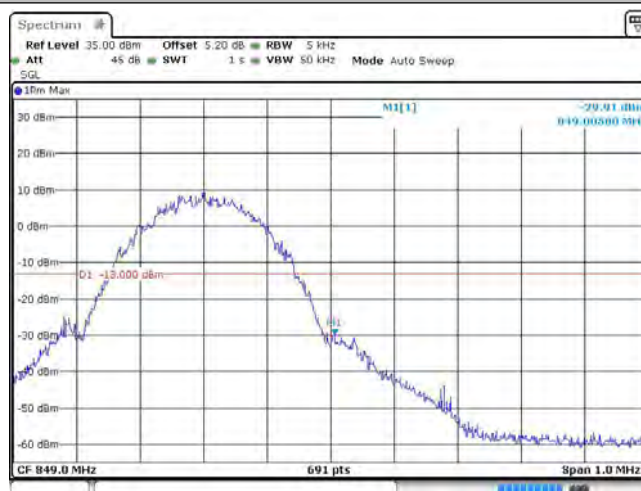


EGPRS850_128



Date: 6 JUL 2020 07:49:23

EGPRS850_251



Date: 6 JUL 2020 07:52:44



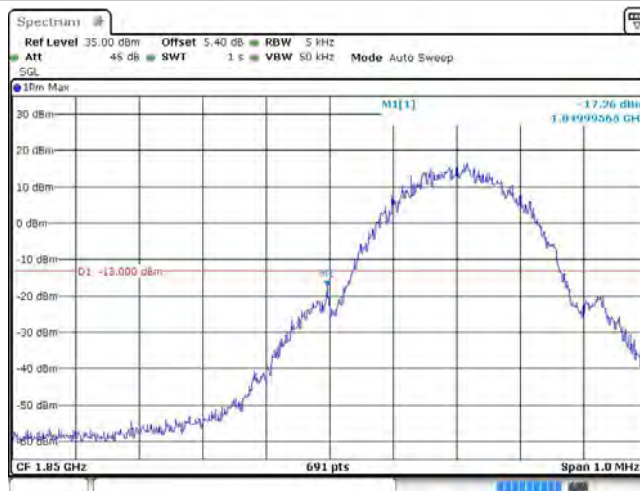
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GSM1900_512



Date: 6 JUL 2020 04:50:56

GSM1900_810



Date: 6 JUL 2020 04:51:30

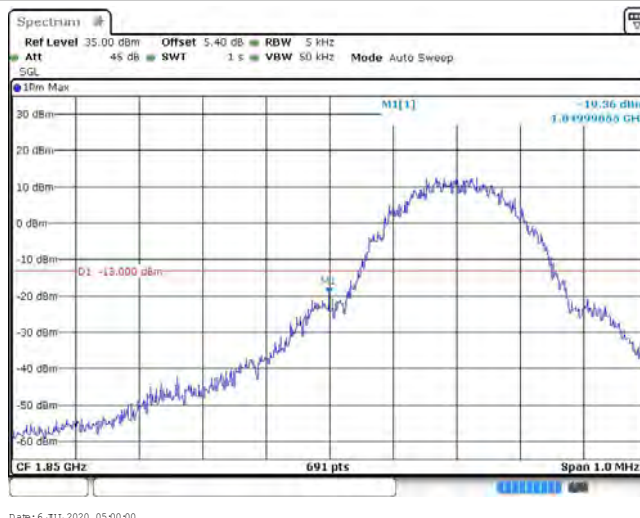


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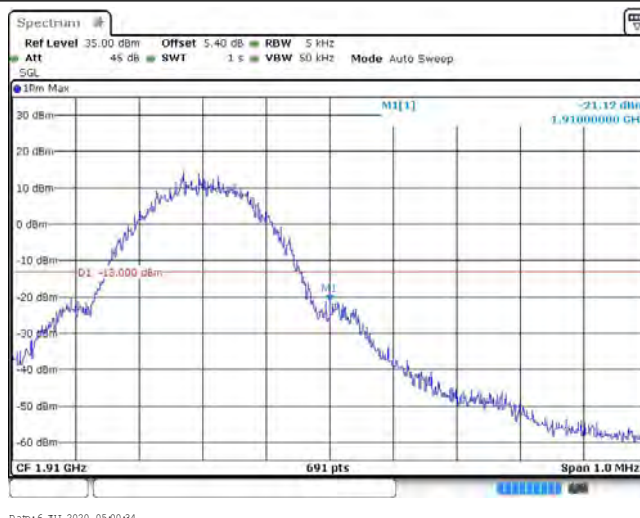
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Date: 6 JUL 2020 05:00:34



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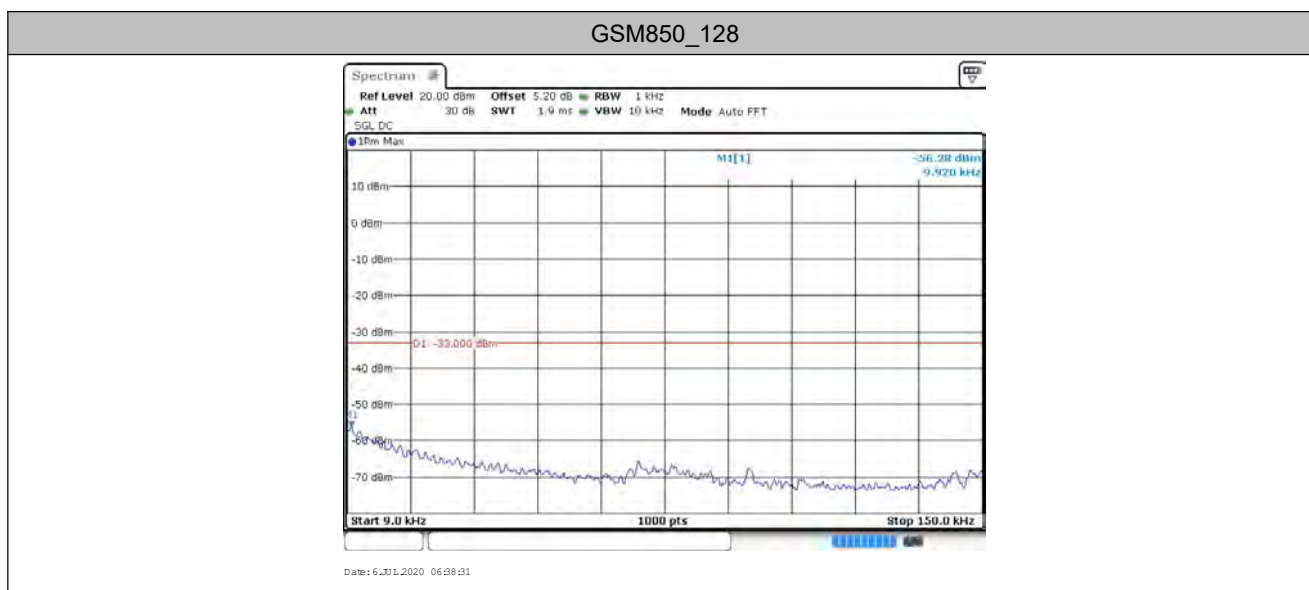


6. Spurious Emission at Antenna Terminal

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 = $k * (\text{Span} / RBW)$ " 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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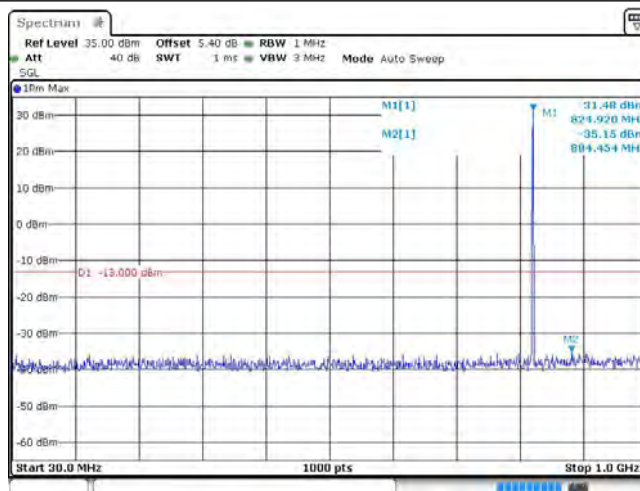


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Date: 6 JUL 2020 06:38:57



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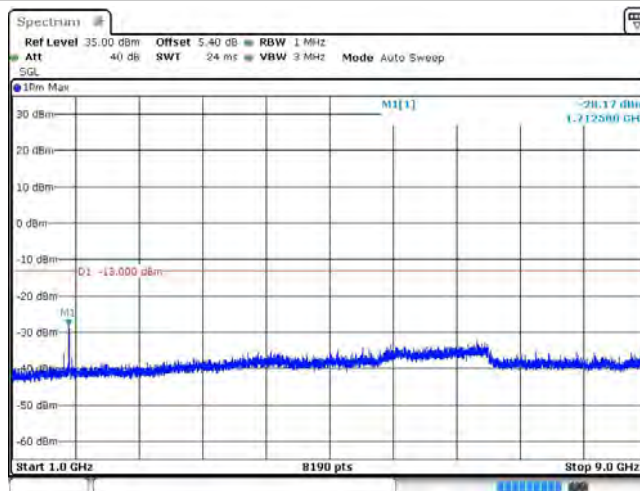
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Date: 6 JUL 2020 06:39:09

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Date: 6 JUL 2020 06:39:29



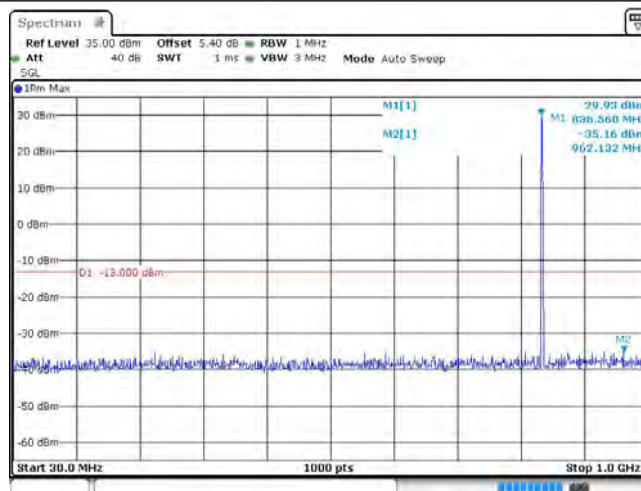


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Date: 6 JUL 2020 06:39:55



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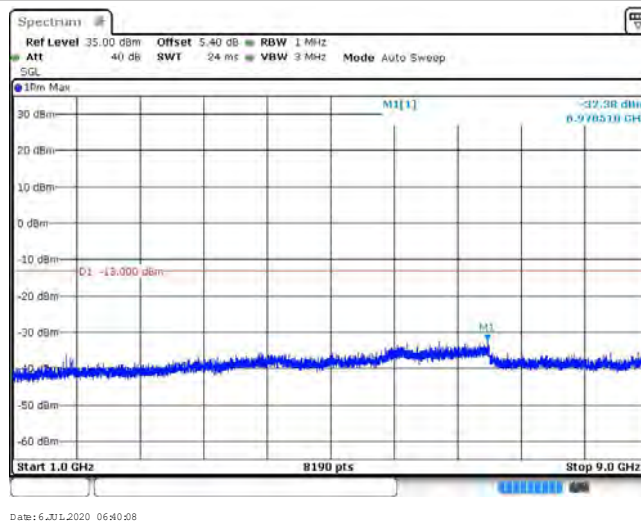
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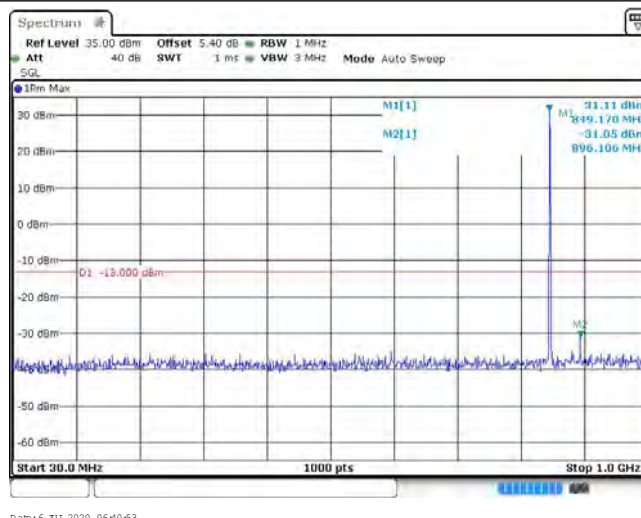


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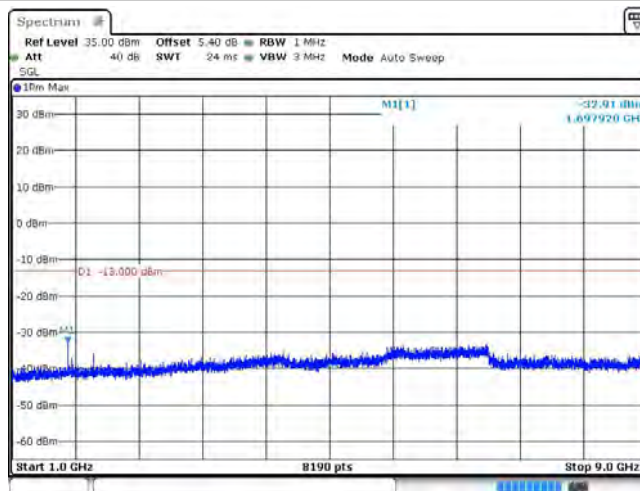
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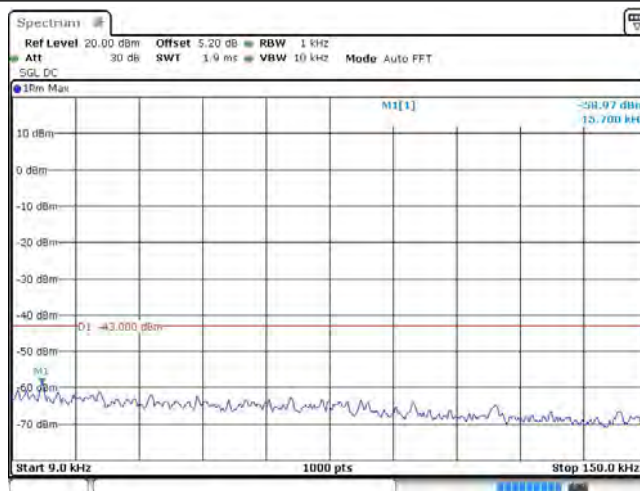
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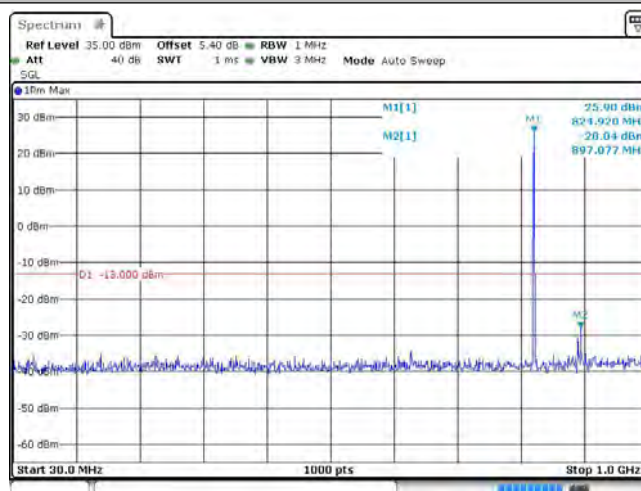


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Date: 6 JUL 2020 07:53:47



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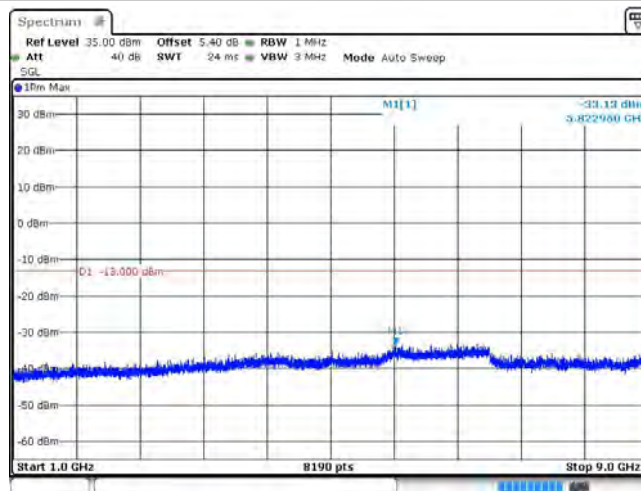
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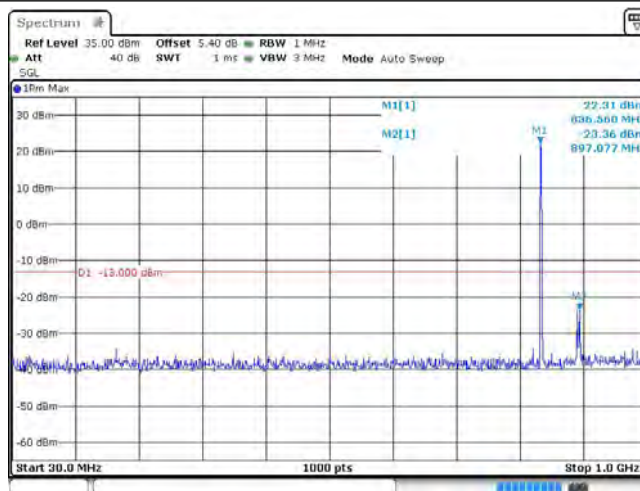


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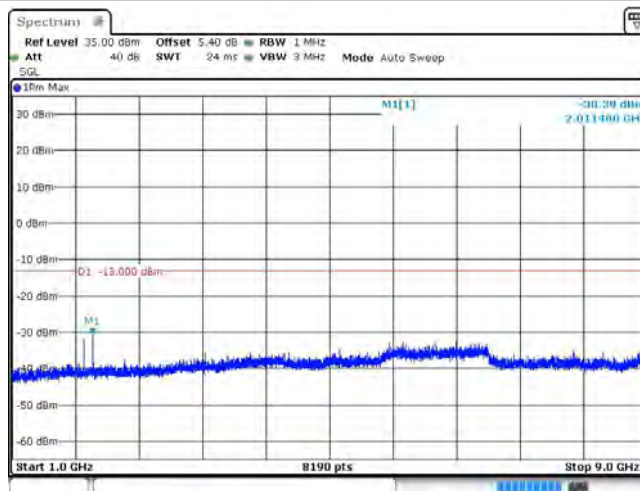
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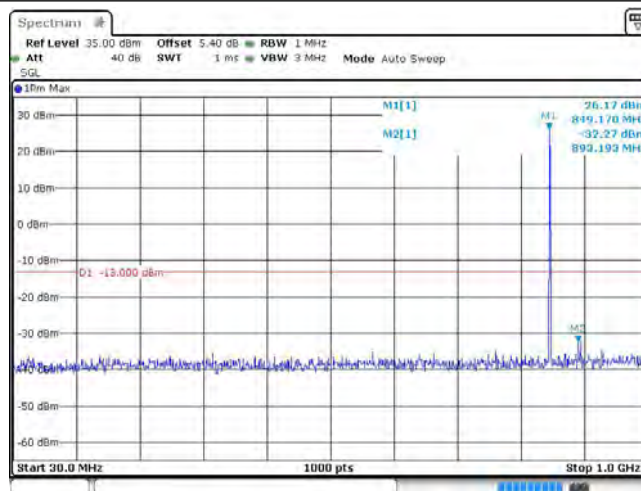


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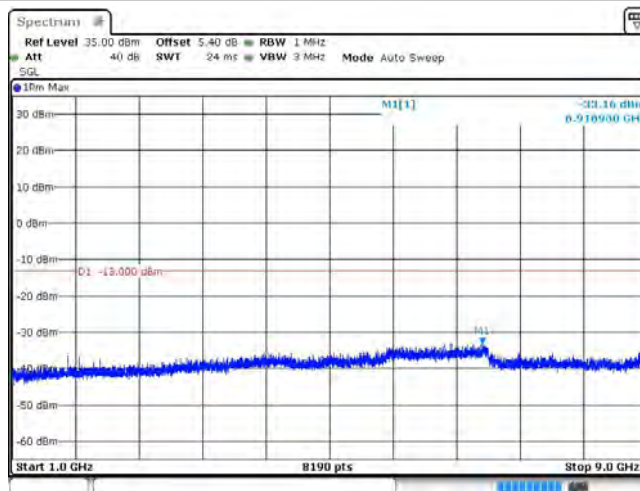


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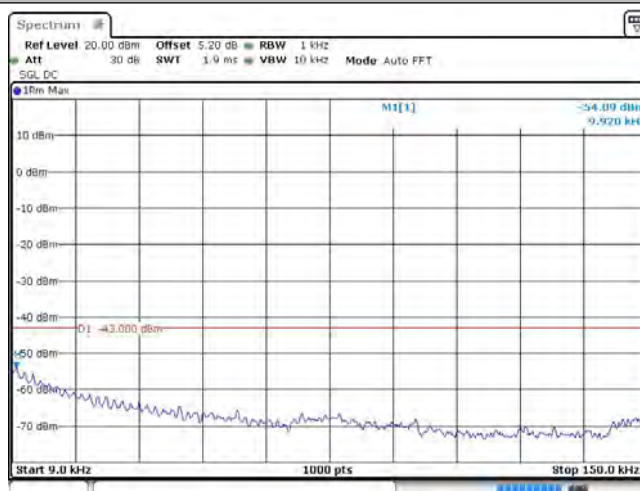


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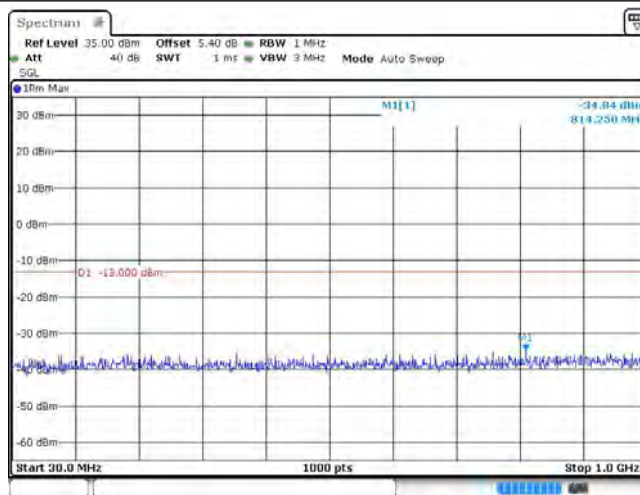


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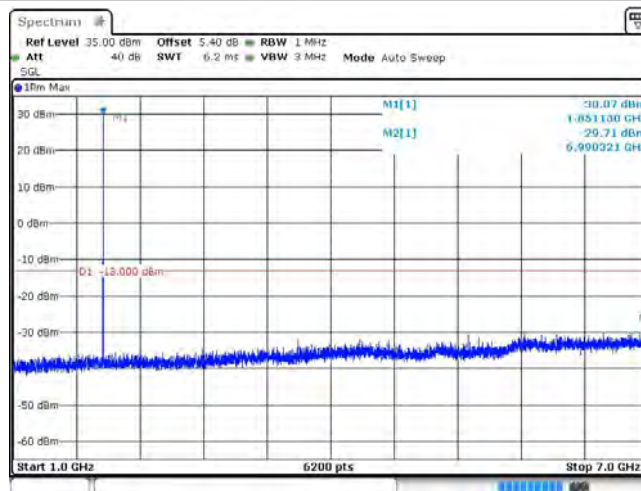


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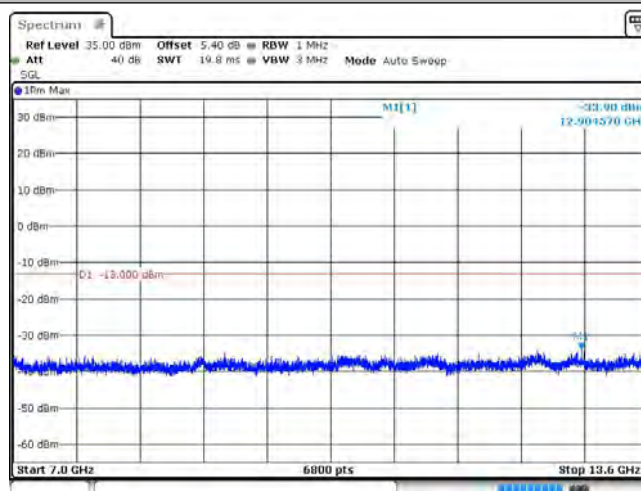


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Date: 6 JUL 2020 04:52:49



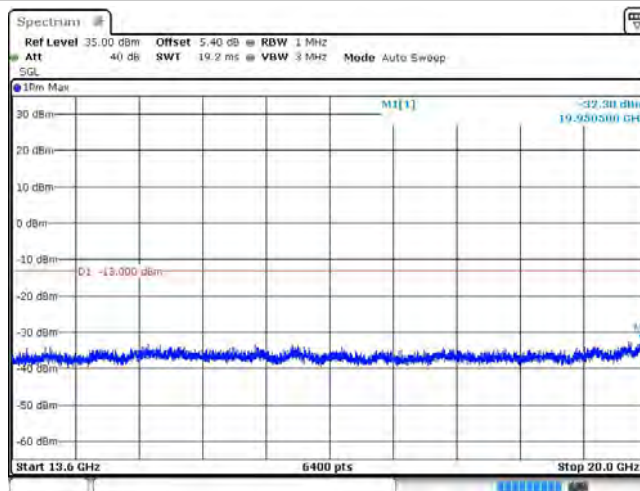
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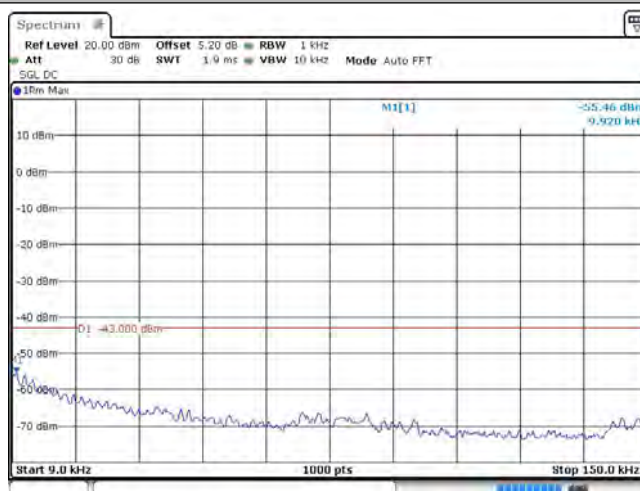


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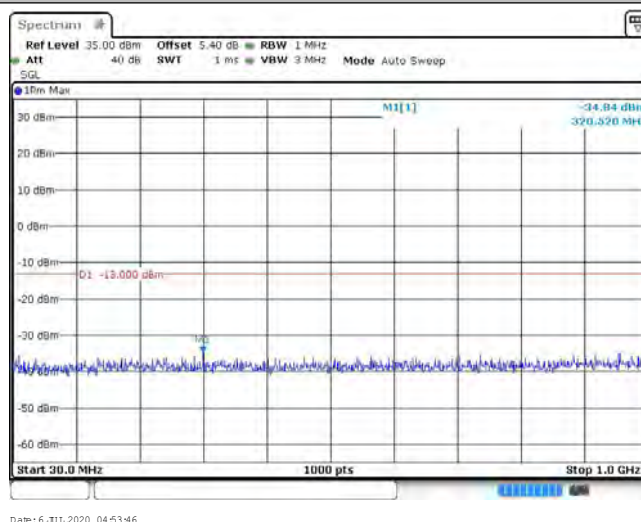
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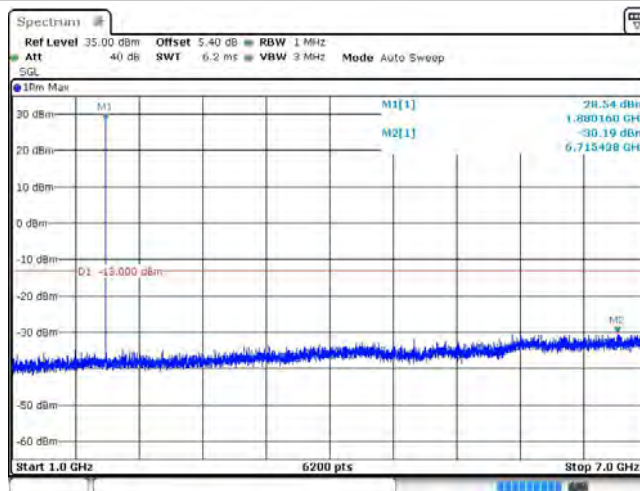


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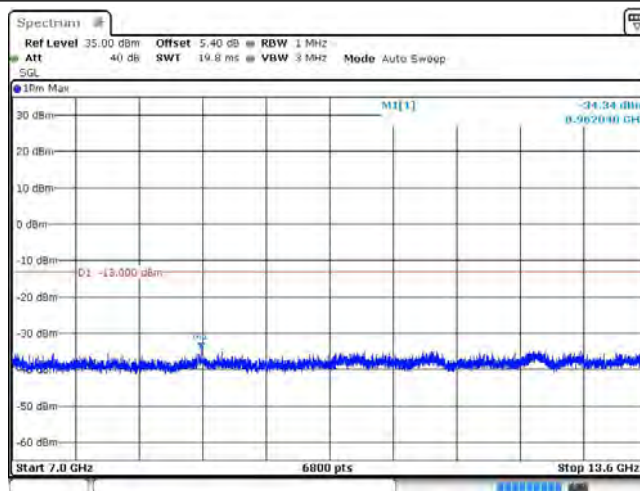


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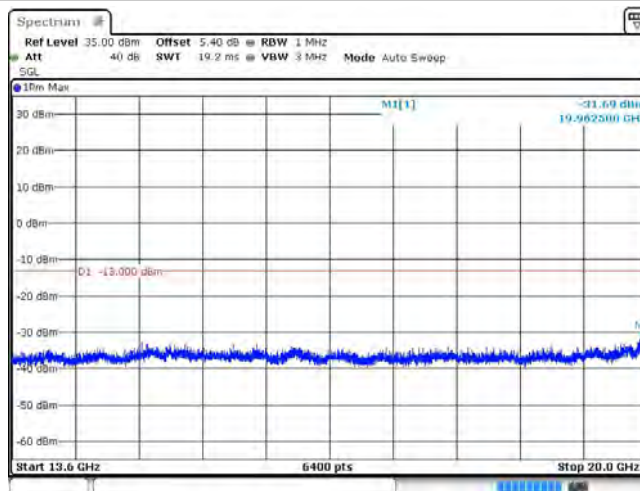


Date: 6 JUL 2020 04:54:12



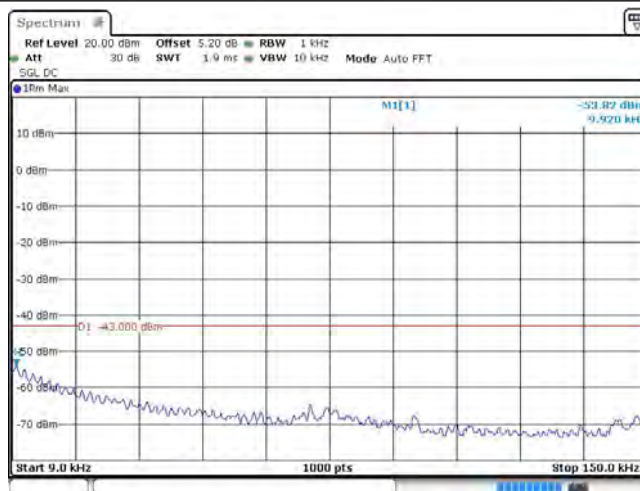


GSM1900_661



Date: 6 JUL 2020 04:54:24

GSM1900_810



Date: 6 JUL 2020 04:54:43



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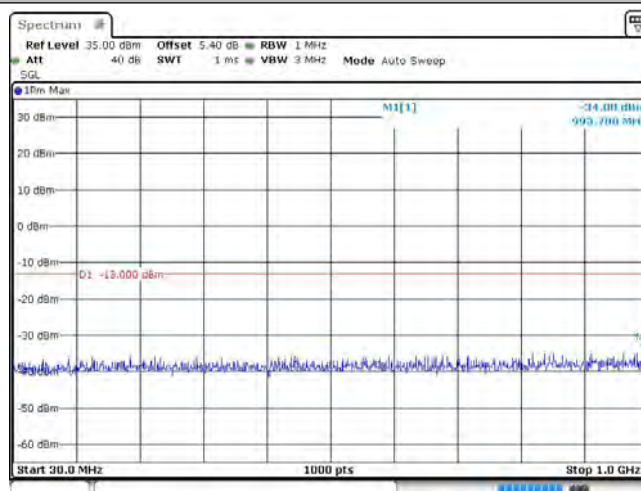


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Date: 6.JUL.2020 04:54:56

GSM1900_810

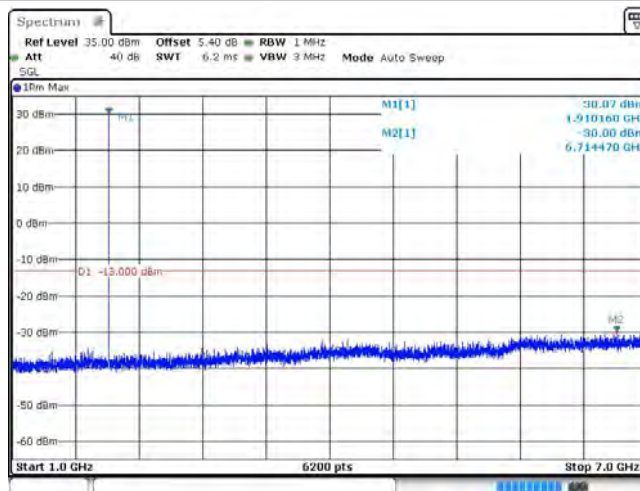


Date: 6.JUL.2020 04:55:08



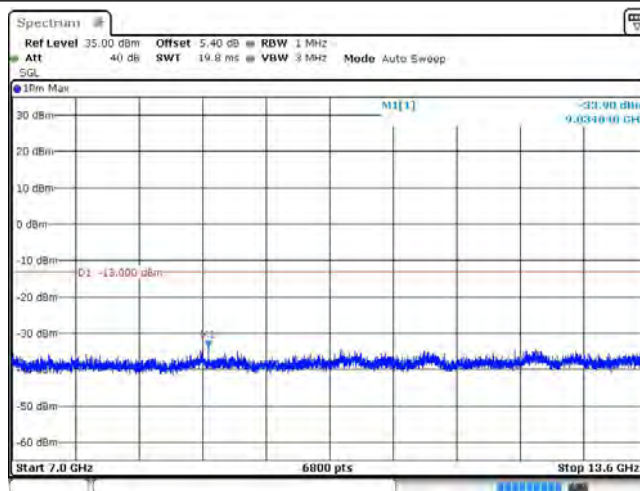


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Date: 6 JUL 2020 04:55:22

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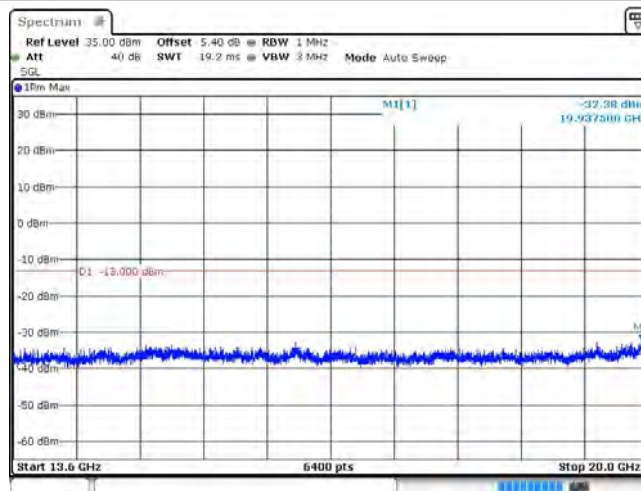


Date: 6 JUL 2020 04:55:34



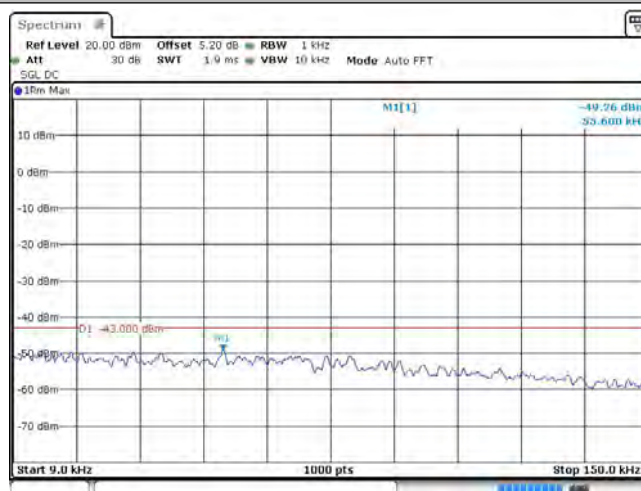


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Date: 6 JUL 2020 04:55:47

EGPRS1900_512



Date: 6 JUL 2020 05:01:01



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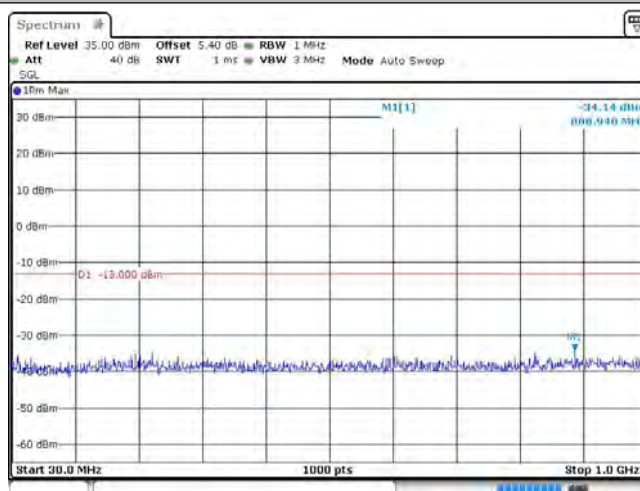


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Date: 6 JUL 2020 05:01:25



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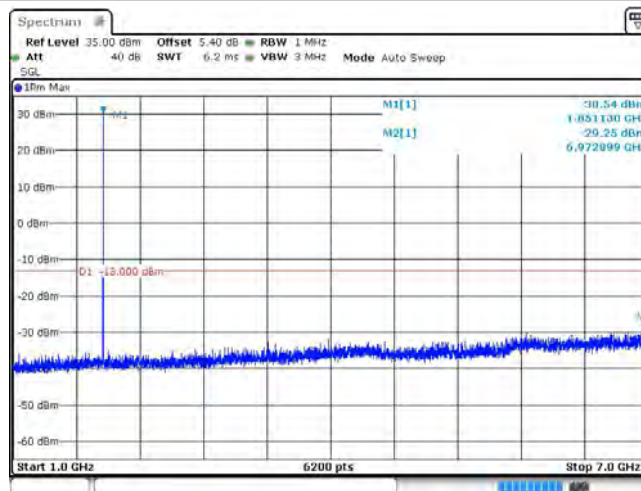
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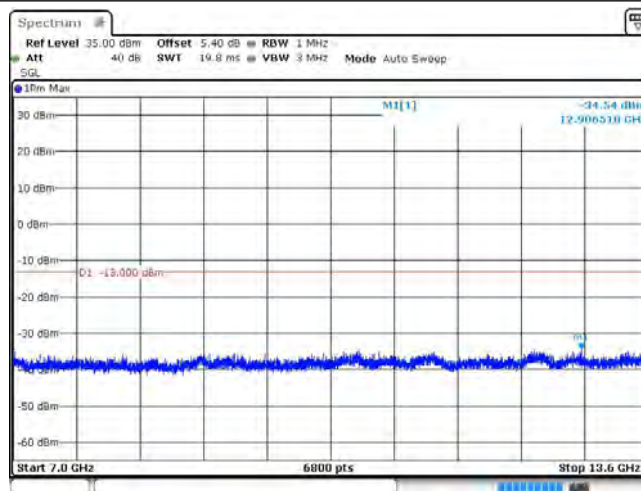
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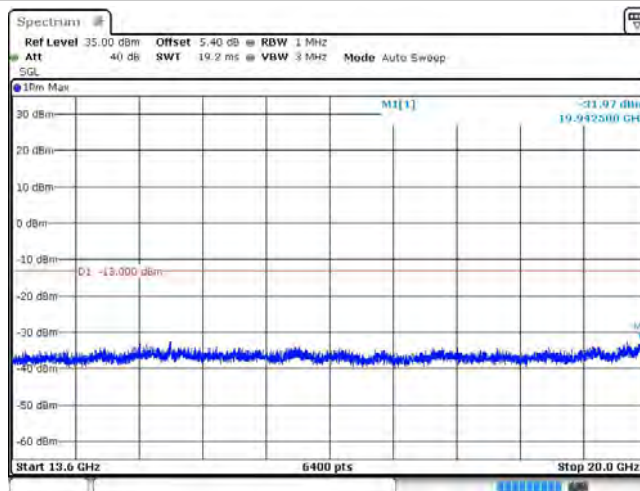
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Date: 6 JUL 2020 05:02:02

EGPRS1900_661



Date: 6 JUL 2020 05:02:21

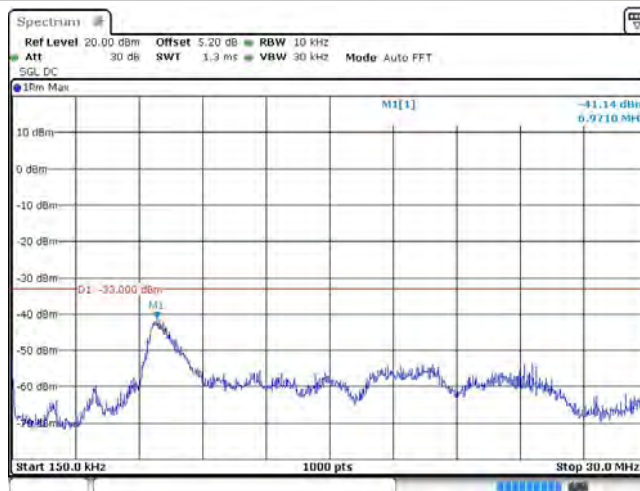


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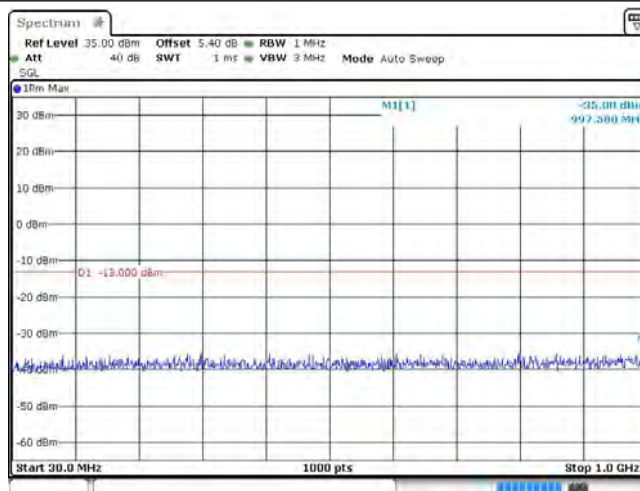


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Date: 6 JUL 2020 05:02:33

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Date: 6 JUL 2020 05:02:45



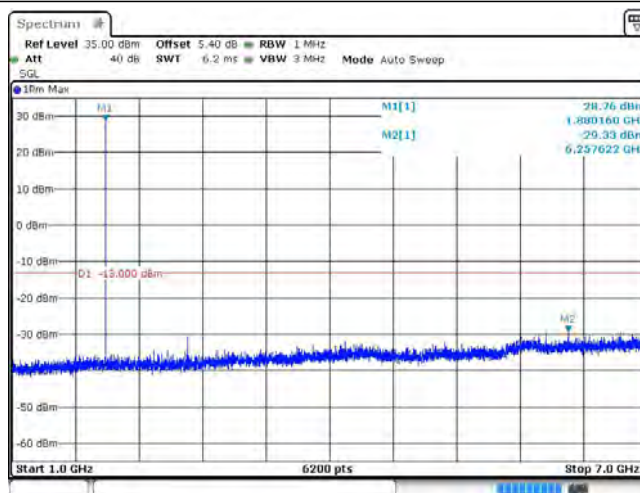
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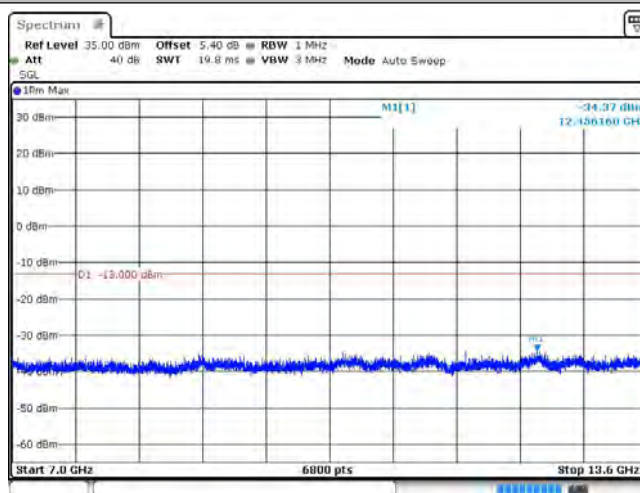
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Date: 6 Jul 2020 05:02:59

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Date: 6-JUL-2020 05:03:10



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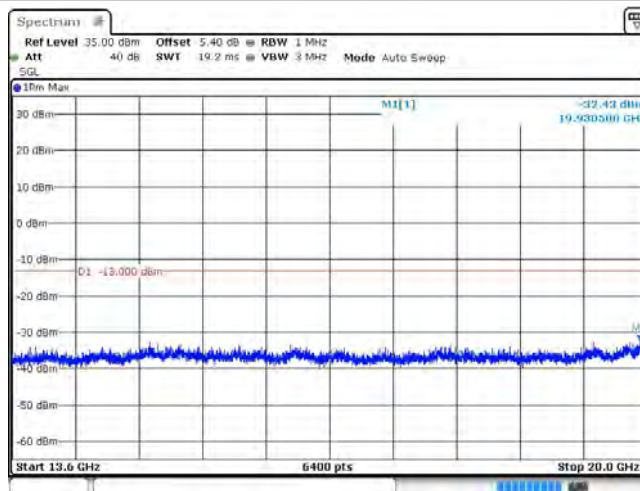
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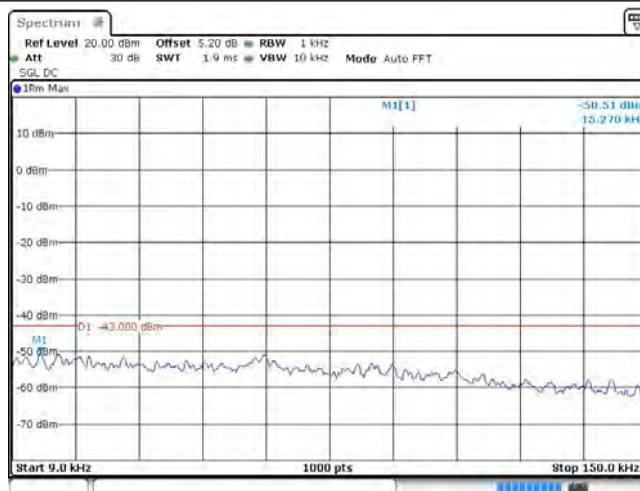


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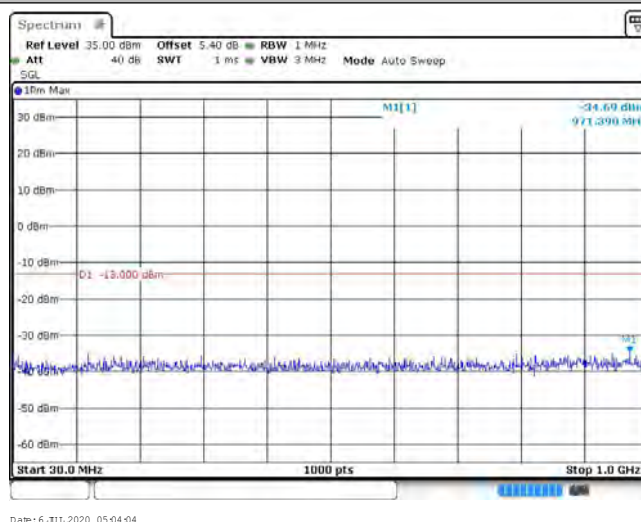
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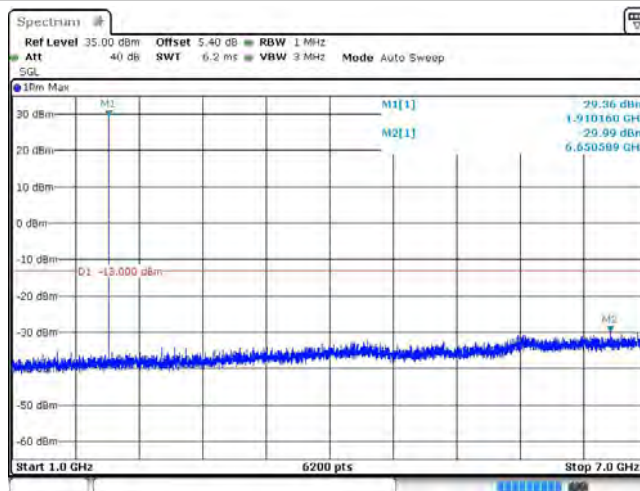


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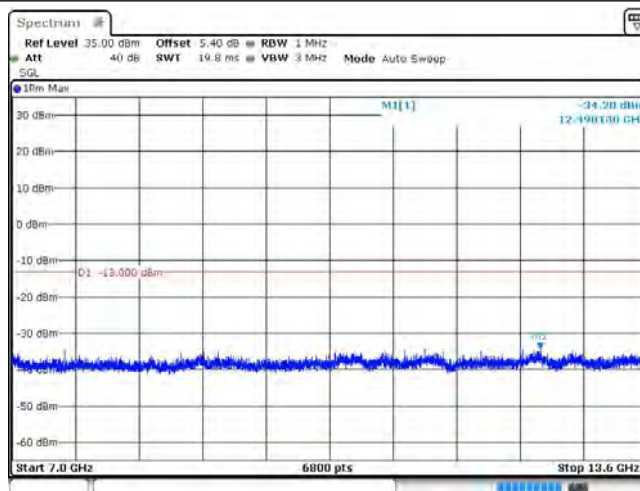


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EGPRS1900_810



Date: 6 JUL 2020 05:04:29

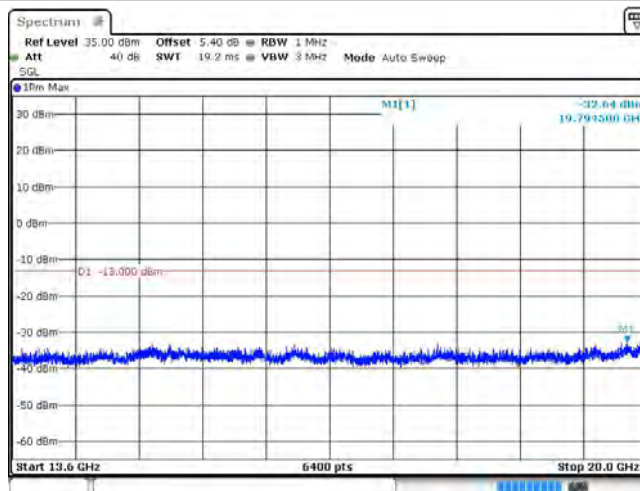


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7. Field Strength of Spurious Radiation

7.1. Test Band = GSM_850

7.1.1. Test Channel = 128

Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	42.0286	-70.27	-63.40	-13.00	50.40	216	131	Horizontal
2	238.6089	-69.95	-67.15	-13.00	54.15	264	195	Horizontal
3	547.2784	-70.47	-64.14	-13.00	51.14	185	4	Horizontal
4	1648.1296	-44.61	-40.55	-13.00	27.55	320	129	Horizontal
5	3296.5099	-45.52	-55.77	-13.00	42.77	247	67	Horizontal
6	16394.4465	-57.52	-43.17	-13.00	30.17	249	99	Horizontal



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7.2. Test Band = GSM_850

7.2.1. Test Channel = 128

Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	109.6410	-70.47	-64.14	-13.00	51.14	258	4	Vertical
2	294.6777	-70.10	-68.62	-13.00	55.62	296	99	Vertical
3	1648.1296	-49.70	-45.03	-13.00	32.03	174	117	Vertical
4	2472.6945	-53.52	-44.12	-13.00	31.12	156	179	Vertical
5	3296.5099	-46.29	-57.51	-13.00	44.51	321	228	Vertical
6	17995.4999	-57.24	-39.47	-13.00	26.47	261	99	Vertical



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7.3. Test Band = GSM_850

7.3.1. Test Channel = 190

Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	45.7148	-70.10	-63.49	-13.00	50.49	158	131	Horizontal
2	613.6782	-70.25	-62.55	-13.00	49.55	174	163	Horizontal
3	1673.3347	-49.02	-45.21	-13.00	32.21	196	182	Horizontal
4	2509.9020	-57.02	-45.76	-13.00	32.76	231	342	Horizontal
5	3346.5116	-47.19	-57.48	-13.00	44.48	261	36	Horizontal
6	16397.4466	-56.21	-41.81	-13.00	28.81	151	259	Horizontal



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7.4. Test Band = GSM_850

7.4.1. Test Channel = 190

Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	111.1931	-70.64	-64.33	-13.00	51.33	258	68	Vertical
2	1673.3347	-54.34	-49.58	-13.00	36.58	296	132	Vertical
3	2509.9020	-59.08	-49.50	-13.00	36.50	174	89	Vertical
4	3346.0115	-48.57	-59.92	-13.00	46.92	153	163	Vertical
5	14486.8829	-59.67	-47.27	-13.00	34.27	231	99	Vertical
6	17997.4999	-57.07	-39.25	-13.00	26.25	156	163	Vertical



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7.5. Test Band = GSM_850

7.5.1. Test Channel = 251

Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	39.1185	-70.33	-63.86	-13.00	50.86	158	132	Horizontal
2	1697.7395	-45.46	-41.89	-13.00	28.89	196	203	Horizontal
3	2546.7093	-58.42	-47.62	-13.00	34.62	174	353	Horizontal
4	3395.0132	-49.39	-59.66	-13.00	46.66	321	37	Horizontal
5	16400.4467	-56.93	-42.49	-13.00	29.49	261	196	Horizontal
6	17997.9999	-57.45	-44.36	-13.00	31.36	154	357	Horizontal



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7.6. Test Band = GSM_850

7.6.1. Test Channel = 251

Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	109.1075	-71.10	-64.90	-13.00	51.90	158	355	Vertical
2	1697.3395	-54.13	-49.29	-13.00	36.29	196	132	Vertical
3	2546.3093	-57.79	-48.12	-13.00	35.12	174	140	Vertical
4	3395.5132	-48.99	-60.43	-13.00	47.43	321	259	Vertical
5	14517.8839	-59.73	-47.38	-13.00	34.38	262	291	Vertical
6	17996.9999	-57.18	-39.38	-13.00	26.38	151	131	Vertical



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7.7. Test Band = GSM_1900

7.7.1. Test Channel = 512

Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	44.1142	-70.77	-63.80	-13.00	50.80	187	67	Horizontal
2	587.9234	-71.74	-64.40	-13.00	51.40	213	35	Horizontal
3	2695.5391	-69.16	-36.36	-13.00	23.36	251	241	Horizontal
4	3701.0234	-44.28	-52.85	-13.00	39.85	196	228	Horizontal
5	5550.5850	-44.98	-51.12	-13.00	38.12	321	228	Horizontal
6	16389.4463	-57.57	-43.31	-13.00	30.31	154	132	Horizontal



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7.8. Test Band = GSM_1900

7.8.1. Test Channel = 512

Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	108.3799	-71.09	-65.06	-13.00	52.06	158	355	Vertical
2	2697.9396	-69.16	-37.53	-13.00	24.53	196	162	Vertical
3	3700.5234	-41.14	-50.51	-13.00	37.51	231	258	Vertical
4	5550.5850	-45.10	-51.67	-13.00	38.67	261	355	Vertical
5	14715.8905	-59.03	-46.97	-13.00	33.97	174	67	Vertical
6	17995.9999	-57.63	-39.85	-13.00	26.85	151	131	Vertical



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7.9. Test Band = GSM_1900

7.9.1. Test Channel = 661

Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	42.3681	-71.55	-64.67	-13.00	51.67	174	227	Horizontal
2	2694.7389	-69.13	-36.35	-13.00	23.35	185	335	Horizontal
3	3760.0253	-40.47	-48.87	-13.00	35.87	196	195	Horizontal
4	5640.0880	-43.20	-49.24	-13.00	36.24	251	354	Horizontal
5	16385.9462	-57.52	-43.32	-13.00	30.32	325	131	Horizontal
6	17994.9998	-57.15	-44.14	-13.00	31.14	154	131	Horizontal



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7.10. Test Band = GSM_1900

7.10.1. Test Channel = 661

Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	108.8649	-70.54	-64.39	-13.00	51.39	258	4	Vertical
2	2708.7417	-69.26	-37.72	-13.00	24.72	296	351	Vertical
3	3760.0253	-38.00	-47.06	-13.00	34.06	274	99	Vertical
4	5640.0880	-43.93	-50.44	-13.00	37.44	159	352	Vertical
5	14476.3825	-59.23	-46.91	-13.00	33.91	162	321	Vertical
6	17995.9999	-57.42	-39.64	-13.00	26.64	261	130	Vertical



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7.11. Test Band = GSM_1900

7.11.1. Test Channel = 810

Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	42.1741	-70.88	-64.01	-13.00	51.01	185	260	Horizontal
2	2575.9152	-66.25	-36.14	-13.00	23.14	321	70	Horizontal
3	3819.5273	-43.88	-52.11	-13.00	39.11	261	197	Horizontal
4	5729.0910	-38.59	-44.60	-13.00	31.60	194	165	Horizontal
5	16403.9468	-57.52	-43.17	-13.00	30.17	154	260	Horizontal
6	17993.4998	-57.25	-44.27	-13.00	31.27	132	356	Horizontal



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7.12. Test Band = GSM_1900

7.12.1. Test Channel = 810

Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	112.2601	-71.30	-65.09	-13.00	52.09	258	260	Vertical
2	2707.5415	-69.17	-37.61	-13.00	24.61	274	11	Vertical
3	3819.5273	-39.58	-48.40	-13.00	35.40	225	101	Vertical
4	5729.5910	-42.01	-48.67	-13.00	35.67	159	4	Vertical
5	14490.8830	-58.86	-46.42	-13.00	33.42	196	356	Vertical
6	17996.9999	-57.66	-39.86	-13.00	26.86	231	196	Vertical

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 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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8. Frequency Stability

8.1.Frequency Error Vs Voltage

Voltage							
BAND	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	VL	TN	5.16	0.006261	± 2.5	PASS
GSM850	128	VN	TN	6.19	0.007512	± 2.5	PASS
GSM850	128	VH	TN	-10.09	-0.012239	± 2.5	PASS
GSM850	190	VL	TN	4.79	0.005730	± 2.5	PASS
GSM850	190	VN	TN	-12.24	-0.014635	± 2.5	PASS
GSM850	190	VH	TN	-0.48	-0.000572	± 2.5	PASS
GSM850	251	VL	TN	-6.74	-0.007943	± 2.5	PASS
GSM850	251	VN	TN	6.68	0.007874	± 2.5	PASS
GSM850	251	VH	TN	1.63	0.001923	± 2.5	PASS
EGPRS850	128	VL	TN	14.09	0.017098	± 2.5	PASS
EGPRS850	128	VN	TN	-1.95	-0.002360	± 2.5	PASS
EGPRS850	128	VH	TN	-9.11	-0.011053	± 2.5	PASS
EGPRS850	190	VL	TN	9.94	0.011887	± 2.5	PASS
EGPRS850	190	VN	TN	2.74	0.003277	± 2.5	PASS
EGPRS850	190	VH	TN	-8.27	-0.009888	± 2.5	PASS
EGPRS850	251	VL	TN	-9.70	-0.011429	± 2.5	PASS
EGPRS850	251	VN	TN	-12.46	-0.014685	± 2.5	PASS
EGPRS850	251	VH	TN	-1.18	-0.001394	± 2.5	PASS
GSM1900	512	VL	TN	-12.75	-0.006892	± 2.5	PASS
GSM1900	512	VN	TN	5.11	0.002764	± 2.5	PASS
GSM1900	512	VH	TN	-6.78	-0.003666	± 2.5	PASS
GSM1900	661	VL	TN	-9.01	-0.004794	± 2.5	PASS
GSM1900	661	VN	TN	-4.28	-0.002275	± 2.5	PASS
GSM1900	661	VH	TN	10.97	0.005837	± 2.5	PASS
GSM1900	810	VL	TN	5.79	0.003031	± 2.5	PASS
GSM1900	810	VN	TN	-3.73	-0.001953	± 2.5	PASS
GSM1900	810	VH	TN	-12.06	-0.006315	± 2.5	PASS
EGPRS1900	512	VL	TN	-8.21	-0.004438	± 2.5	PASS
EGPRS1900	512	VN	TN	-12.76	-0.006897	± 2.5	PASS



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EGPRS1900	512	VH	TN	-3.59	-0.001940	±2.5	PASS
EGPRS1900	661	VL	TN	14.50	0.007714	±2.5	PASS
EGPRS1900	661	VN	TN	0.90	0.000479	±2.5	PASS
EGPRS1900	661	VH	TN	11.59	0.006168	±2.5	PASS
EGPRS1900	810	VL	TN	-11.49	-0.006014	±2.5	PASS
EGPRS1900	810	VN	TN	-10.91	-0.005714	±2.5	PASS
EGPRS1900	810	VH	TN	7.10	0.003717	±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	10.53	0.012776	±2.5	PASS
GSM850	128	VN	-20	3.34	0.004052	±2.5	PASS
GSM850	128	VN	-10	-4.49	-0.005445	±2.5	PASS
GSM850	128	VN	0	9.64	0.011701	±2.5	PASS
GSM850	128	VN	10	-2.62	-0.003174	±2.5	PASS
GSM850	128	VN	20	-0.81	-0.000981	±2.5	PASS
GSM850	128	VN	30	-11.61	-0.014091	±2.5	PASS
GSM850	128	VN	40	-14.36	-0.017420	±2.5	PASS
GSM850	128	VN	50	-2.11	-0.002561	±2.5	PASS
GSM850	190	VN	-30	14.11	0.016863	±2.5	PASS
GSM850	190	VN	-20	-2.89	-0.003450	±2.5	PASS
GSM850	190	VN	-10	-9.59	-0.011465	±2.5	PASS
GSM850	190	VN	0	10.02	0.011976	±2.5	PASS
GSM850	190	VN	10	-11.46	-0.013697	±2.5	PASS
GSM850	190	VN	20	-11.31	-0.013523	±2.5	PASS
GSM850	190	VN	30	-0.52	-0.000617	±2.5	PASS
GSM850	190	VN	40	-0.88	-0.001057	±2.5	PASS
GSM850	190	VN	50	13.82	0.016516	±2.5	PASS
GSM850	251	VN	-30	-11.32	-0.013339	±2.5	PASS
GSM850	251	VN	-20	6.41	0.007552	±2.5	PASS
GSM850	251	VN	-10	9.74	0.011477	±2.5	PASS
GSM850	251	VN	0	0.21	0.000242	±2.5	PASS
GSM850	251	VN	10	-11.94	-0.014066	±2.5	PASS
GSM850	251	VN	20	7.13	0.008397	±2.5	PASS
GSM850	251	VN	30	-11.43	-0.013466	±2.5	PASS
GSM850	251	VN	40	-11.51	-0.013557	±2.5	PASS
GSM850	251	VN	50	12.33	0.014525	±2.5	PASS
EGPRS850	128	VN	-30	4.85	0.005883	±2.5	PASS
EGPRS850	128	VN	-20	6.42	0.007787	±2.5	PASS
EGPRS850	128	VN	-10	-3.59	-0.004359	±2.5	PASS
EGPRS850	128	VN	0	-2.99	-0.003622	±2.5	PASS
EGPRS850	128	VN	10	-3.47	-0.004204	±2.5	PASS



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EGPRS850	128	VN	20	13.07	0.015859	±2.5	PASS
EGPRS850	128	VN	30	-12.74	-0.015453	±2.5	PASS
EGPRS850	128	VN	40	-14.08	-0.017087	±2.5	PASS
EGPRS850	128	VN	50	5.15	0.006248	±2.5	PASS
EGPRS850	190	VN	-30	2.43	0.002904	±2.5	PASS
EGPRS850	190	VN	-20	-14.39	-0.017196	±2.5	PASS
EGPRS850	190	VN	-10	3.49	0.004167	±2.5	PASS
EGPRS850	190	VN	0	11.41	0.013636	±2.5	PASS
EGPRS850	190	VN	10	5.27	0.006299	±2.5	PASS
EGPRS850	190	VN	20	7.52	0.008989	±2.5	PASS
EGPRS850	190	VN	30	6.68	0.007988	±2.5	PASS
EGPRS850	190	VN	40	-11.76	-0.014058	±2.5	PASS
EGPRS850	190	VN	50	-10.57	-0.012637	±2.5	PASS
EGPRS850	251	VN	-30	-13.22	-0.015575	±2.5	PASS
EGPRS850	251	VN	-20	-6.44	-0.007586	±2.5	PASS
EGPRS850	251	VN	-10	-11.04	-0.013007	±2.5	PASS
EGPRS850	251	VN	0	-11.50	-0.013548	±2.5	PASS
EGPRS850	251	VN	10	4.78	0.005636	±2.5	PASS
EGPRS850	251	VN	20	-4.72	-0.005561	±2.5	PASS
EGPRS850	251	VN	30	9.59	0.011304	±2.5	PASS
EGPRS850	251	VN	40	12.12	0.014274	±2.5	PASS
EGPRS850	251	VN	50	13.65	0.016082	±2.5	PASS
GSM1900	512	VN	-30	7.73	0.004180	±2.5	PASS
GSM1900	512	VN	-20	-6.02	-0.003255	±2.5	PASS
GSM1900	512	VN	-10	13.33	0.007202	±2.5	PASS
GSM1900	512	VN	0	9.48	0.005124	±2.5	PASS
GSM1900	512	VN	10	2.64	0.001428	±2.5	PASS
GSM1900	512	VN	20	-0.77	-0.000418	±2.5	PASS
GSM1900	512	VN	30	14.85	0.008028	±2.5	PASS
GSM1900	512	VN	40	6.75	0.003648	±2.5	PASS
GSM1900	512	VN	50	8.75	0.004728	±2.5	PASS
GSM1900	661	VN	-30	2.36	0.001257	±2.5	PASS
GSM1900	661	VN	-20	-9.13	-0.004855	±2.5	PASS
GSM1900	661	VN	-10	3.02	0.001609	±2.5	PASS
GSM1900	661	VN	0	5.56	0.002959	±2.5	PASS
GSM1900	661	VN	10	8.07	0.004293	±2.5	PASS
GSM1900	661	VN	20	-14.31	-0.007609	±2.5	PASS



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GSM1900	661	VN	30	8.67	0.004611	±2.5	PASS
GSM1900	661	VN	40	-0.99	-0.000525	±2.5	PASS
GSM1900	661	VN	50	-14.41	-0.007665	±2.5	PASS
GSM1900	810	VN	-30	-10.33	-0.005410	±2.5	PASS
GSM1900	810	VN	-20	-12.54	-0.006568	±2.5	PASS
GSM1900	810	VN	-10	13.43	0.007031	±2.5	PASS
GSM1900	810	VN	0	-10.39	-0.005438	±2.5	PASS
GSM1900	810	VN	10	9.33	0.004883	±2.5	PASS
GSM1900	810	VN	20	-5.99	-0.003135	±2.5	PASS
GSM1900	810	VN	30	6.46	0.003382	±2.5	PASS
GSM1900	810	VN	40	14.85	0.007776	±2.5	PASS
GSM1900	810	VN	50	-7.83	-0.004099	±2.5	PASS
EGPRS1900	512	VN	-30	-4.96	-0.002680	±2.5	PASS
EGPRS1900	512	VN	-20	-9.29	-0.005019	±2.5	PASS
EGPRS1900	512	VN	-10	2.99	0.001615	±2.5	PASS
EGPRS1900	512	VN	0	12.82	0.006927	±2.5	PASS
EGPRS1900	512	VN	10	-6.48	-0.003504	±2.5	PASS
EGPRS1900	512	VN	20	-10.46	-0.005651	±2.5	PASS
EGPRS1900	512	VN	30	-13.28	-0.007176	±2.5	PASS
EGPRS1900	512	VN	40	1.81	0.000977	±2.5	PASS
EGPRS1900	512	VN	50	-9.74	-0.005264	±2.5	PASS
EGPRS1900	661	VN	-30	-4.03	-0.002144	±2.5	PASS
EGPRS1900	661	VN	-20	9.57	0.005089	±2.5	PASS
EGPRS1900	661	VN	-10	-3.15	-0.001674	±2.5	PASS
EGPRS1900	661	VN	0	14.06	0.007478	±2.5	PASS
EGPRS1900	661	VN	10	-7.53	-0.004003	±2.5	PASS
EGPRS1900	661	VN	20	9.65	0.005135	±2.5	PASS
EGPRS1900	661	VN	30	-0.59	-0.000313	±2.5	PASS
EGPRS1900	661	VN	40	14.89	0.007921	±2.5	PASS
EGPRS1900	661	VN	50	4.87	0.002593	±2.5	PASS
EGPRS1900	810	VN	-30	-9.48	-0.004964	±2.5	PASS
EGPRS1900	810	VN	-20	1.49	0.000779	±2.5	PASS
EGPRS1900	810	VN	-10	8.57	0.004487	±2.5	PASS
EGPRS1900	810	VN	0	0.21	0.000111	±2.5	PASS
EGPRS1900	810	VN	10	-11.07	-0.005795	±2.5	PASS
EGPRS1900	810	VN	20	-2.79	-0.001461	±2.5	PASS
EGPRS1900	810	VN	30	6.54	0.003426	±2.5	PASS



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EGPRS1900	810	VN	40	-14.50	-0.007593	± 2.5	PASS
EGPRS1900	810	VN	50	-8.33	-0.004364	± 2.5	PASS

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