

Appendix B

GSM 850 & 1900



CONTENT

	Page
1. EFFECTIVE (ISOTROPIC) RADIATED POWER OUTPUT DATA	4
1.1. Test Result	4
2. PEAK-TO-AVERAGE RATIO	6
2.1. Test Result	6
2.2. Part II - Test Plots	7
3. MODULATION CHARACTERISTICS	13
3.1. For GSM	13
3.1.1. Test Band = GSM 850	13
3.1.1.1. Test Mode = GSM/TM1	13
3.1.1.1.1. Test Channel = MCH	13
3.1.1.2. Test Mode = GSM/TM2	14
3.1.1.2.1. Test Channel = MCH	14
3.1.2. Test Band = GSM 1900	15
3.1.2.1. Test Mode = GSM/TM1	15
3.1.2.1.1. Test Channel = MCH	15
3.1.2.2. Test Mode = GSM/TM2	16
3.1.2.2.1. Test Channel = MCH	16
4. 26dB BANDWIDTH AND OCCUPIED BANDWIDTH	17
4.1. Test Result	17
4.2. Test Plots	17
5. BAND EDGE COMPLIANCE	24
5.1. Test Plots	24
6. SPURIOUS EMISSION AT ANTENNA TERMINAL	29
6.1. Test Plots	29
7. FIELD STRENGTH OF SPURIOUS RADIATION	42
7.1. Test Band = GSM 1900(ANT1)	42
7.1.1. Test Channel = LCH	42
7.1.2. Test Channel = MCH	42
7.1.3. Test Channel = HCH	43
7.2. Test Band = GSM 850(ANT1)	43
7.2.1. Test Channel = LCH	43
7.2.2. Test Channel = MCH	44



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

7.2.3.	Test Channel = HCH.....	44
7.3.	Test Band = GSM 1900(ANT2).....	45
7.3.1.	Test Channel = LCH	45
7.3.2.	Test Channel = MCH	45
7.3.3.	Test Channel = HCH.....	46
7.4.	Test Band = GSM 850(ANT2).....	46
7.4.1.	Test Channel = LCH	46
7.4.2.	Test Channel = MCH	47
7.4.3.	Test Channel = HCH.....	47
7.5.	Test Band = GSM 850(ANT1).....	48
7.5.1.	Test Channel = MCH	48
7.6.	Test Band = GSM 850(ANT2).....	48
7.6.1.	Test Channel = MCH	48
8.	FREQUENCY STABILITY	49
8.1.	Frequency Error Vs Voltage.....	49
8.2.	Frequency Error Vs Temperature.....	50



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Testing Center EEC Laboratory

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



1. Effective (Isotropic) Radiated Power Output Data

1.1. Test Result

ANT1:

Band	Channel	Slot	Conducted Power (dBm)	ERP (dBm)	Limit(dBm)	Verdict
GSM850	128	---	32.99	26.34	38.45	PASS
GSM850	190	---	32.48	25.83	38.45	PASS
GSM850	251	---	32.57	25.92	38.45	PASS
EGPRS850	128	1	26.01	19.36	38.45	PASS
EGPRS850	128	2	23.98	17.33	38.45	PASS
EGPRS850	128	3	22.00	15.35	38.45	PASS
EGPRS850	128	4	21.12	14.47	38.45	PASS
EGPRS850	190	1	25.80	19.15	38.45	PASS
EGPRS850	190	2	23.70	17.05	38.45	PASS
EGPRS850	190	3	21.80	15.15	38.45	PASS
EGPRS850	190	4	20.88	14.23	38.45	PASS
EGPRS850	251	1	25.81	19.16	38.45	PASS
EGPRS850	251	2	23.78	17.13	38.45	PASS
EGPRS850	251	3	21.89	15.24	38.45	PASS
EGPRS850	251	4	21.00	14.35	38.45	PASS

Band	Channel	Slot	Conducted Power (dBm)	EIRP (dBm)	Limit(dBm)	Verdict
GSM1900	512	---	29.55	30.85	33.00	PASS
GSM1900	661	---	29.94	31.24	33.00	PASS
GSM1900	810	---	30.33	31.63	33.00	PASS
EGPRS1900	512	1	24.74	26.04	33.00	PASS
EGPRS1900	512	2	22.65	23.95	33.00	PASS
EGPRS1900	512	3	20.55	21.85	33.00	PASS
EGPRS1900	512	4	19.32	20.62	33.00	PASS
EGPRS1900	661	1	24.50	25.8	33.00	PASS
EGPRS1900	661	2	22.42	23.72	33.00	PASS
EGPRS1900	661	3	20.38	21.68	33.00	PASS
EGPRS1900	661	4	19.12	20.42	33.00	PASS
EGPRS1900	810	1	24.76	26.06	33.00	PASS
EGPRS1900	810	2	22.76	24.06	33.00	PASS
EGPRS1900	810	3	20.76	22.06	33.00	PASS
EGPRS1900	810	4	19.54	20.84	33.00	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic formal documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



ANT2:

Band	Channel	Slot	Conducted Power (dBm)	ERP (dBm)	Limit(dBm)	Verdict
GSM850	128	---	32.22	25.57	38.45	PASS
GSM850	190	---	32.21	25.56	38.45	PASS
GSM850	251	---	32.16	25.51	38.45	PASS
EGPRS850	128	1	26.68	20.03	38.45	PASS
EGPRS850	128	2	24.20	17.55	38.45	PASS
EGPRS850	128	3	22.68	16.03	38.45	PASS
EGPRS850	128	4	21.69	15.04	38.45	PASS
EGPRS850	190	1	26.68	20.03	38.45	PASS
EGPRS850	190	2	24.25	17.6	38.45	PASS
EGPRS850	190	3	22.69	16.04	38.45	PASS
EGPRS850	190	4	21.80	15.15	38.45	PASS
EGPRS850	251	1	26.56	19.91	38.45	PASS
EGPRS850	251	2	24.41	17.76	38.45	PASS
EGPRS850	251	3	22.68	16.03	38.45	PASS
EGPRS850	251	4	21.77	15.12	38.45	PASS

Band	Channel	Slot	Conducted Power (dBm)	EIRP (dBm)	Limit(dBm)	Verdict
GSM1900	512	---	29.62	28.82	33.00	PASS
GSM1900	661	---	29.65	28.85	33.00	PASS
GSM1900	810	---	29.95	29.15	33.00	PASS
EGPRS1900	512	1	24.11	23.31	33.00	PASS
EGPRS1900	512	2	22.12	21.32	33.00	PASS
EGPRS1900	512	3	20.03	19.23	33.00	PASS
EGPRS1900	512	4	19.12	18.32	33.00	PASS
EGPRS1900	661	1	25.14	24.34	33.00	PASS
EGPRS1900	661	2	22.47	21.67	33.00	PASS
EGPRS1900	661	3	20.89	20.09	33.00	PASS
EGPRS1900	661	4	19.75	18.95	33.00	PASS
EGPRS1900	810	1	25.90	25.1	33.00	PASS
EGPRS1900	810	2	23.33	22.53	33.00	PASS
EGPRS1900	810	3	21.73	20.93	33.00	PASS
EGPRS1900	810	4	20.69	19.89	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 [dBi]

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



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic formal documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



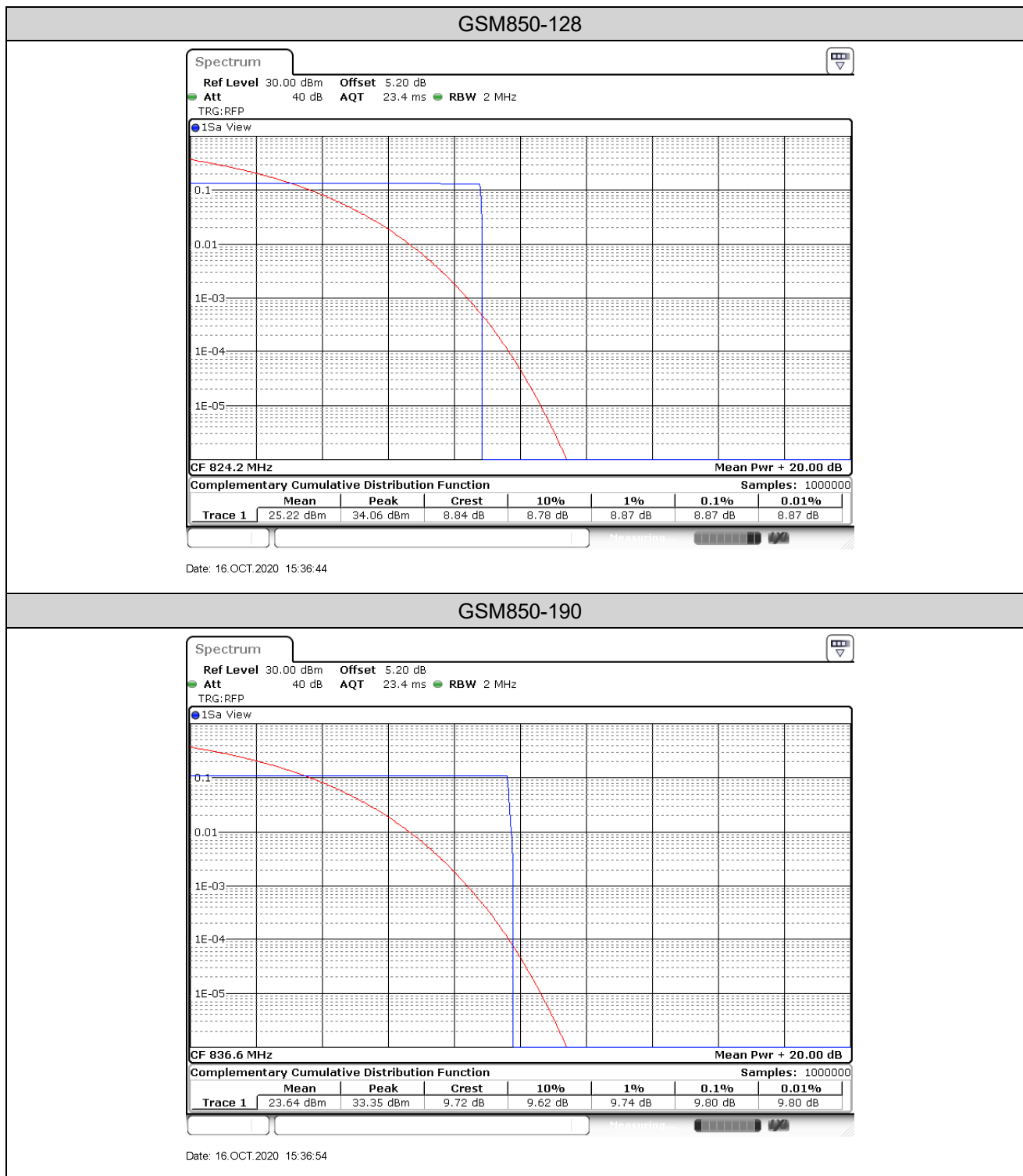
2. Peak-to-Average Ratio

2.1. Test Result

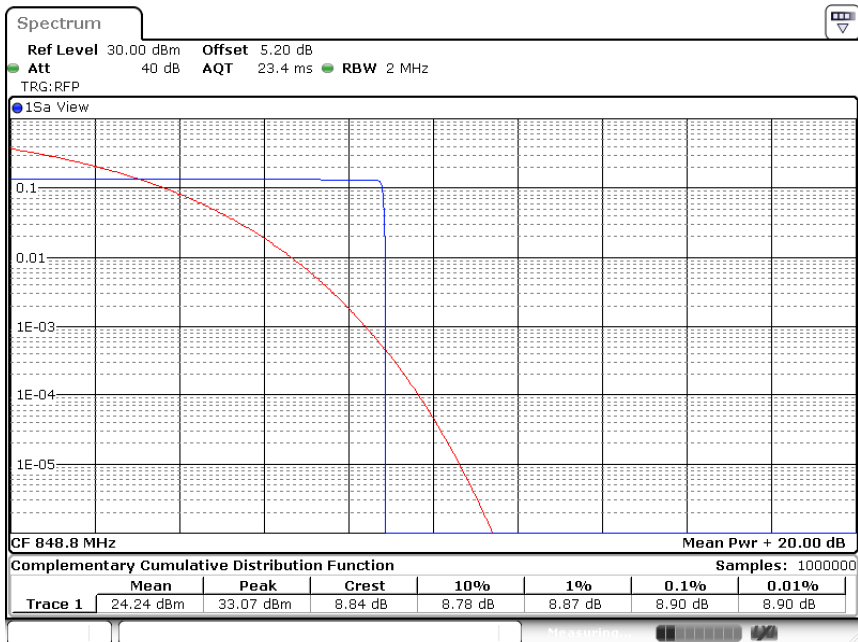
Band	Channel	Result(dB)	Limit(dB)	Verdict
GSM850	128	8.87	13	PASS
GSM850	190	9.8	13	PASS
GSM850	251	8.9	13	PASS
EGPRS850	128	12.17	13	PASS
EGPRS850	190	12.52	13	PASS
EGPRS850	251	12.12	13	PASS
GSM1900	512	8.96	13	PASS
GSM1900	661	8.96	13	PASS
GSM1900	810	8.9	13	PASS
EGPRS1900	512	12.49	13	PASS
EGPRS1900	661	11.8	13	PASS
EGPRS1900	810	11.8	13	PASS



2.2.Part II - Test Plots

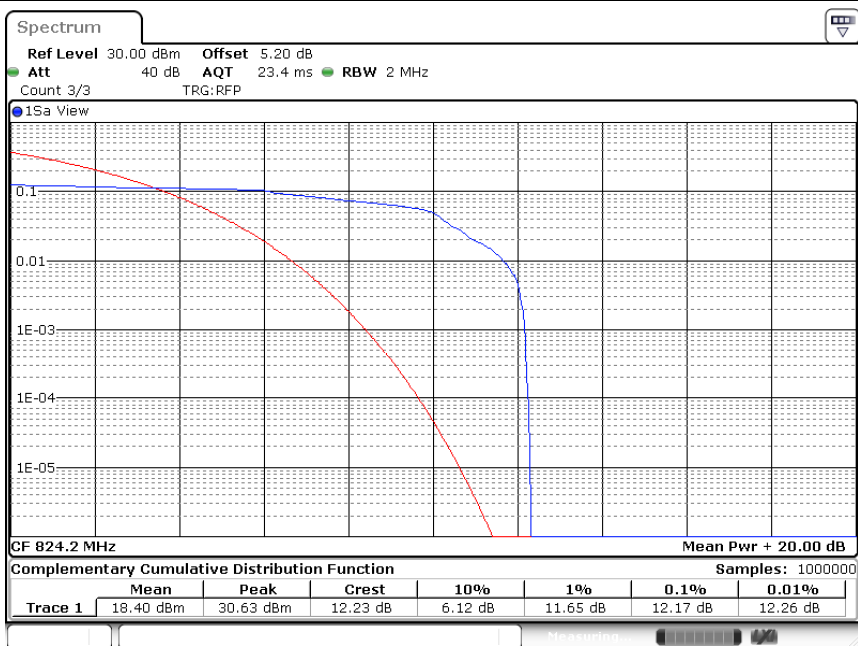


GSM850-251



Date: 16.OCT.2020 15:37:04

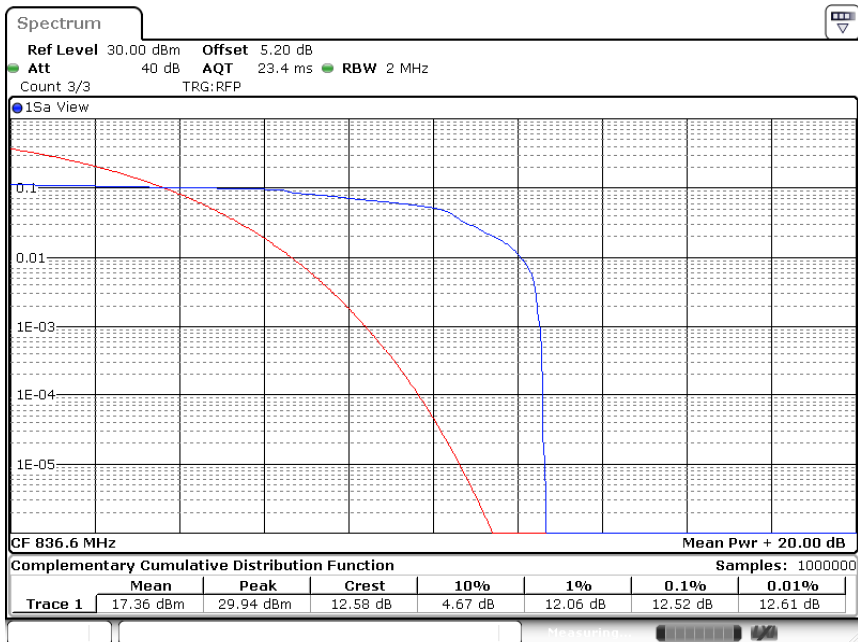
EGPRS850-128



Date: 16.OCT.2020 15:41:57

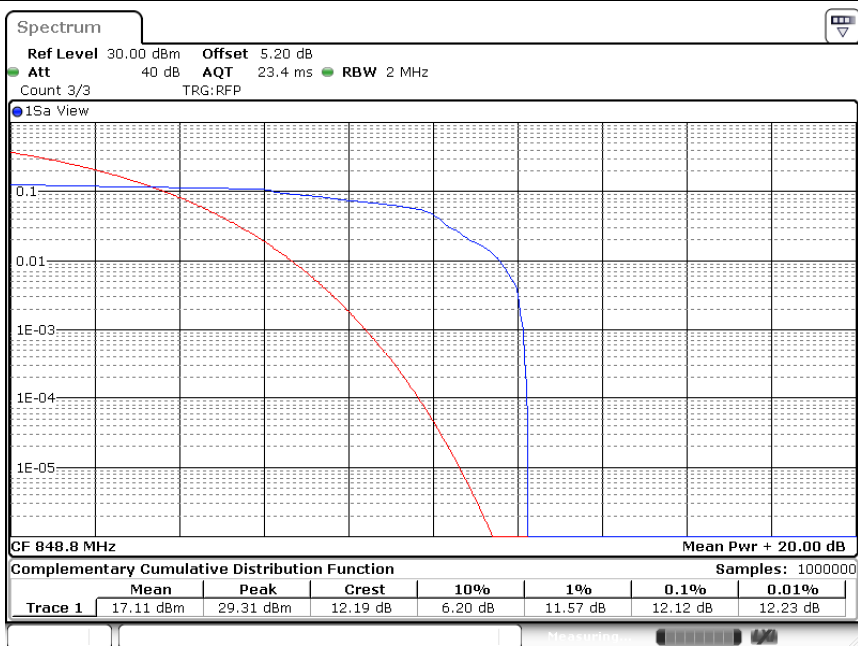


EGPRS850-190



Date: 16.OCT.2020 15:42:07

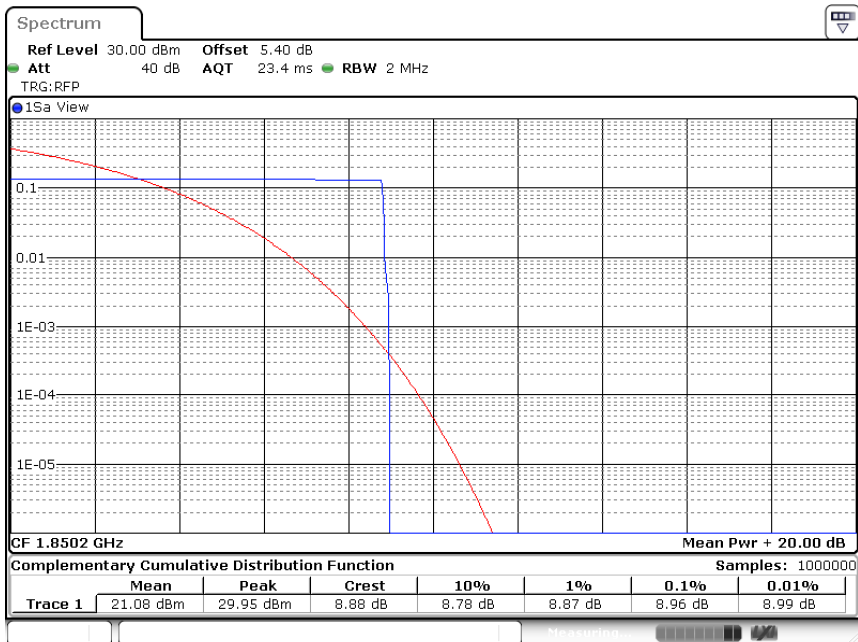
EGPRS850-251



Date: 16.OCT.2020 15:42:18

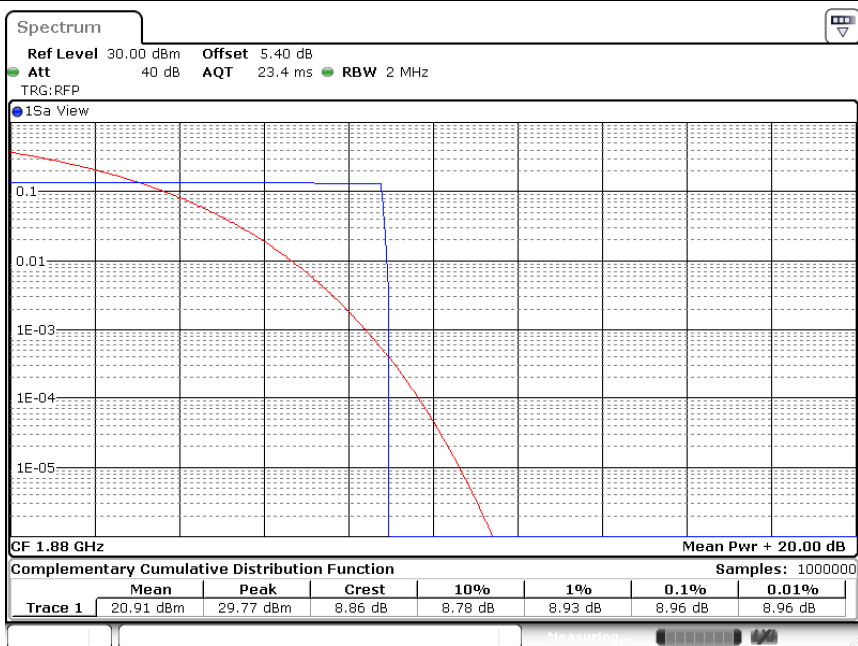


GSM1900-512



Date: 16.OCT.2020 15:17:33

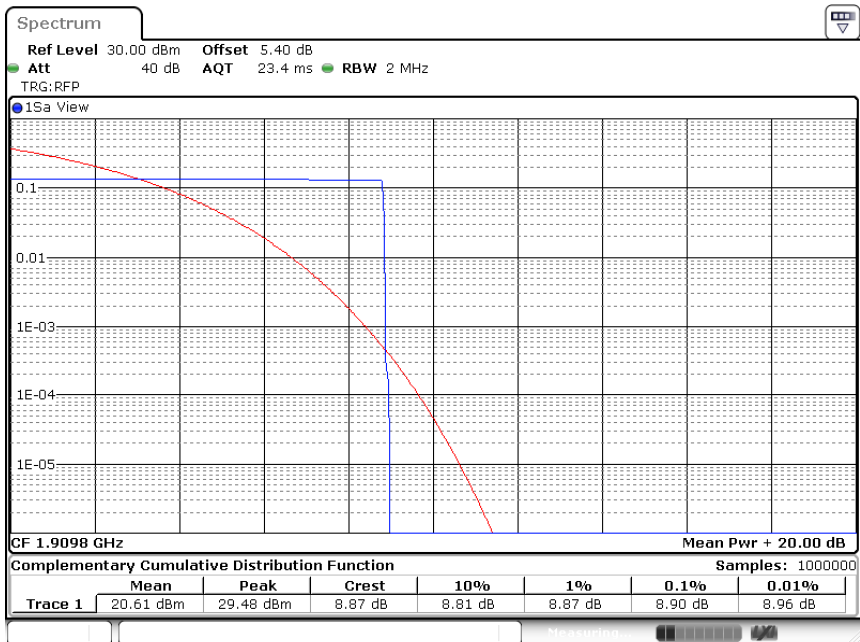
GSM1900-661



Date: 16.OCT.2020 15:17:43

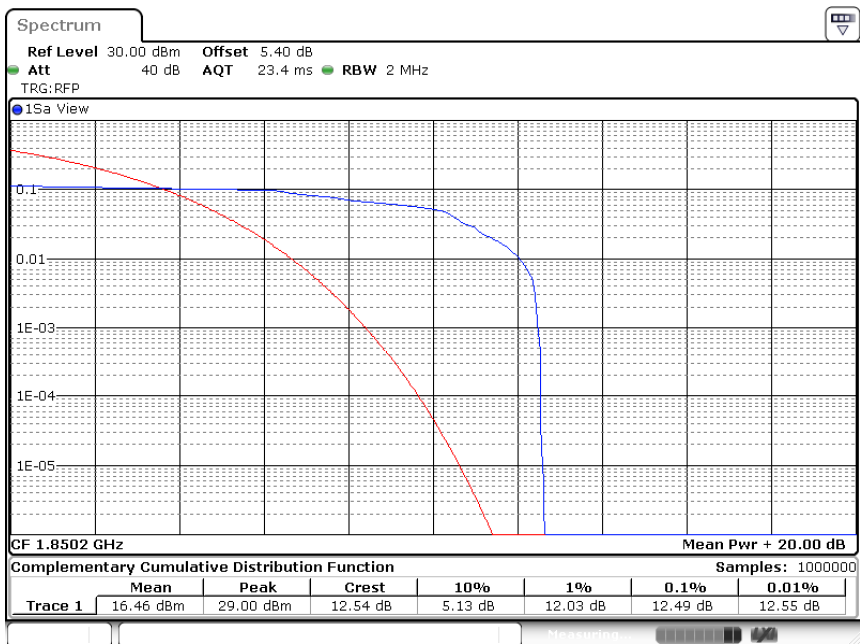


GSM1900-810



Date: 16.OCT.2020 15:17:53

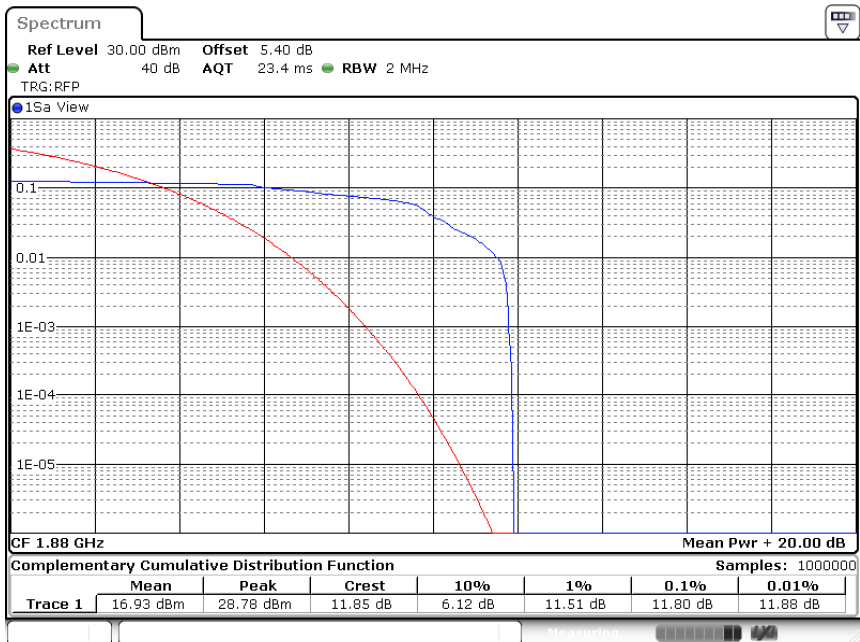
EGPRS1900-512



Date: 16.OCT.2020 15:34:54

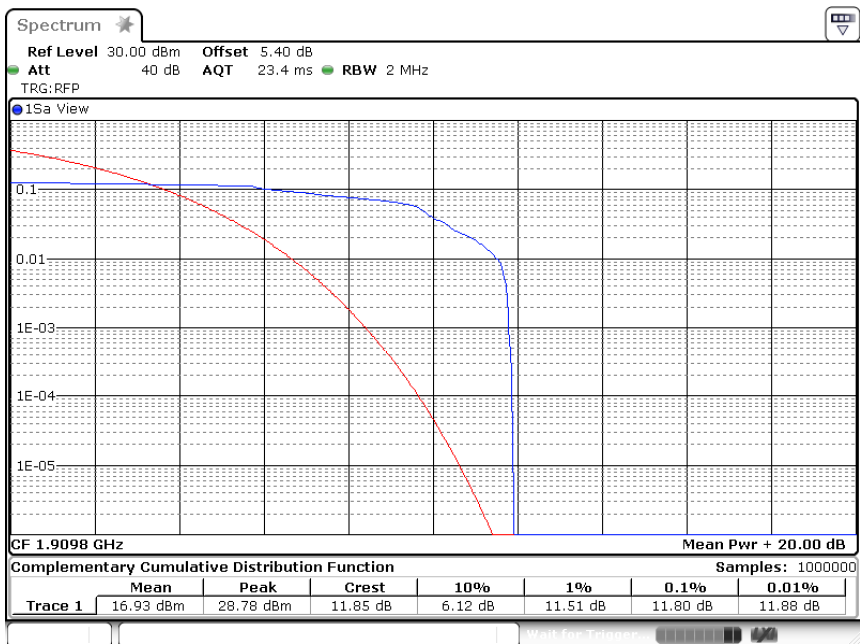


EGPRS1900-661



Date: 16.OCT.2020 15:35:05

EGPRS1900-810



Date: 16.OCT.2020 15:35:15



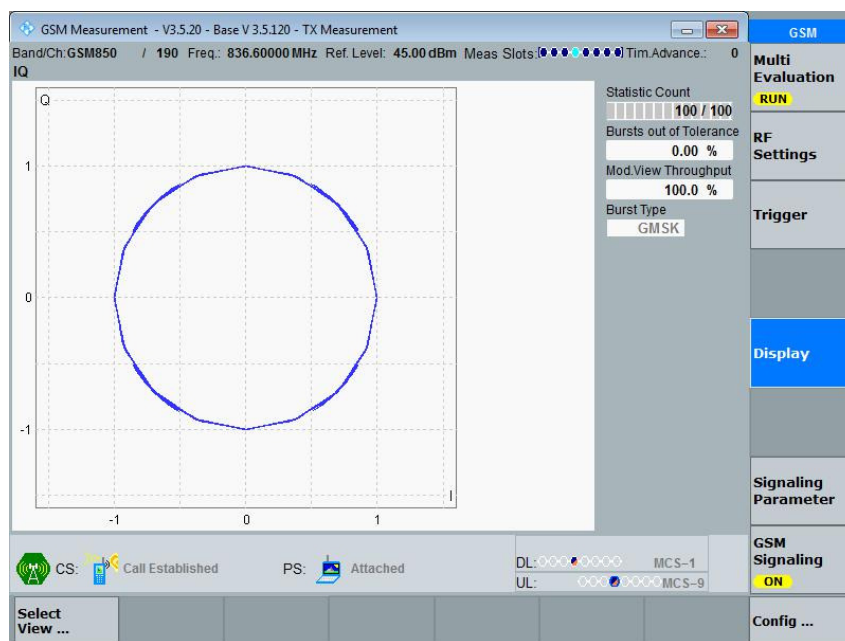
3. Modulation Characteristics

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



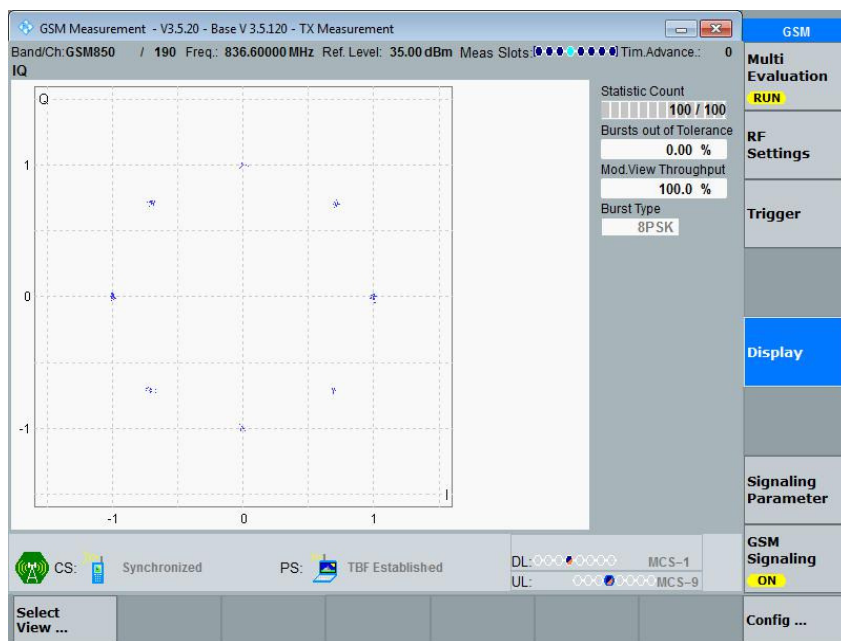
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Testing Centre EEC Laboratory

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

3.1.1.2. Test Mode = GSM/TM2

3.1.1.2.1. Test Channel = MCH

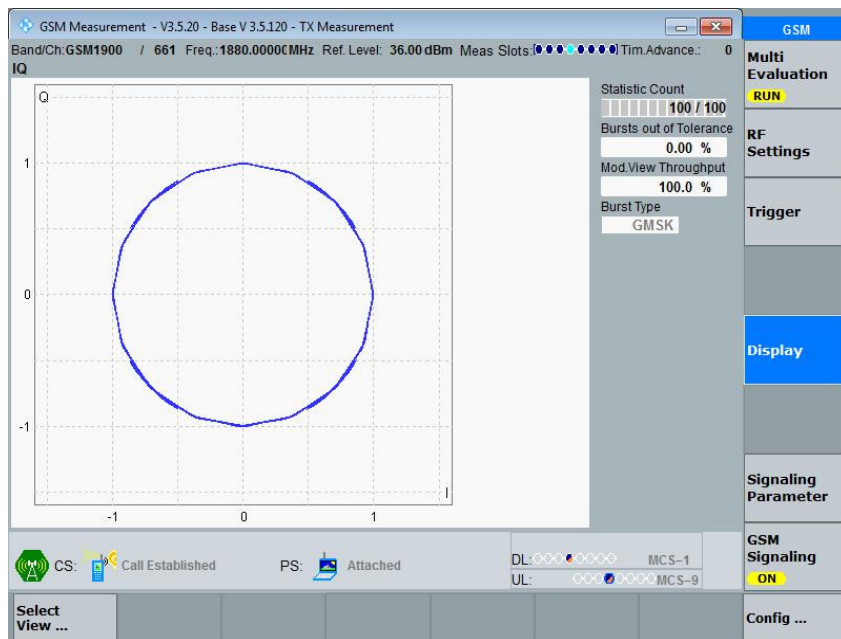


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

3.1.2. Test Band = GSM 1900

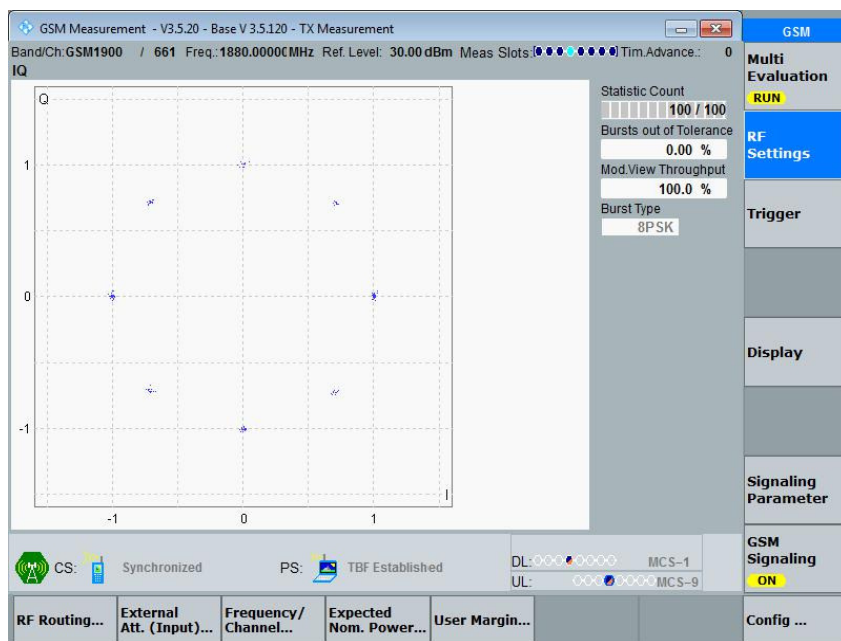
3.1.2.1. Test Mode = GSM/TM1

3.1.2.1.1. Test Channel = MCH



3.1.2.2. Test Mode = GSM/TM2

3.1.2.2.1. Test Channel = MCH



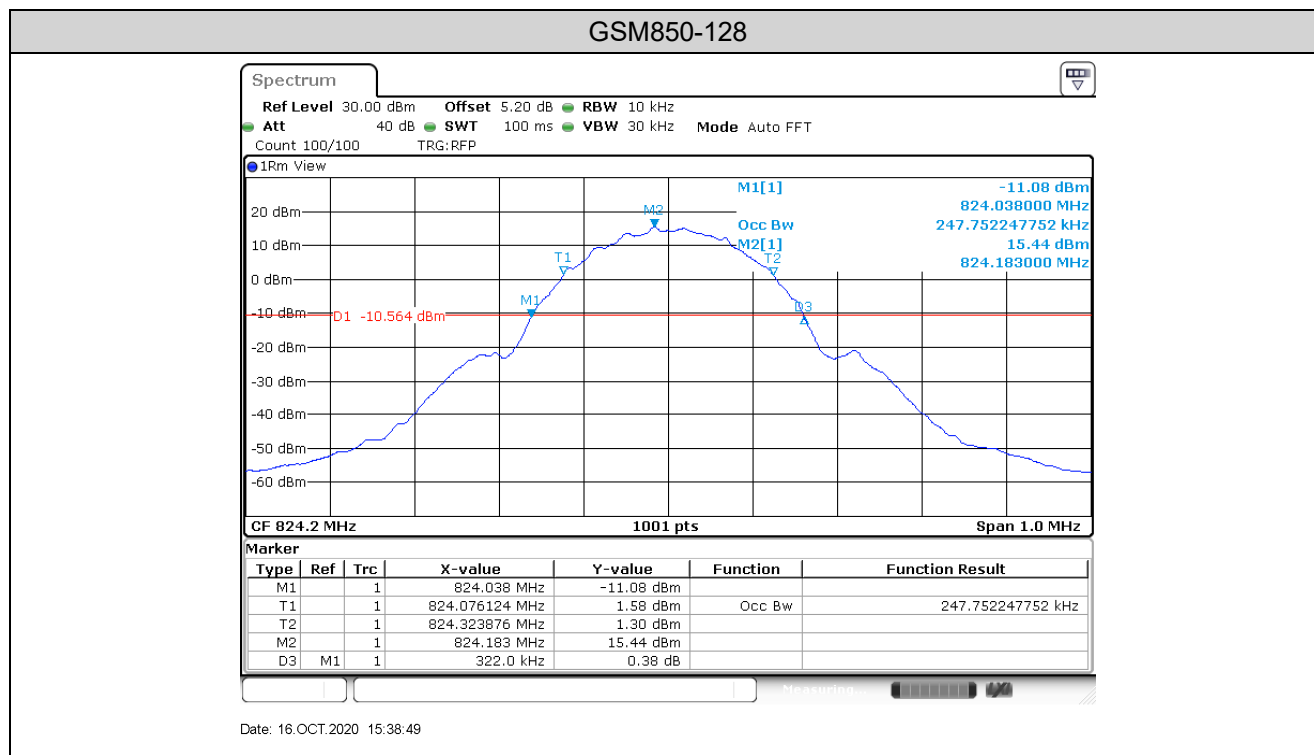
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GSM850	128	0.248	0.322	---	PASS
GSM850	190	0.247	0.322	---	PASS
GSM850	251	0.247	0.323	---	PASS
EGPRS850	128	0.246	0.317	---	PASS
EGPRS850	190	0.246	0.318	---	PASS
EGPRS850	251	0.247	0.319	---	PASS
GSM1900	512	0.247	0.323	---	PASS
GSM1900	661	0.248	0.323	---	PASS
GSM1900	810	0.247	0.324	---	PASS
EGPRS1900	512	0.246	0.316	---	PASS
EGPRS1900	661	0.245	0.316	---	PASS
EGPRS1900	810	0.246	0.316	---	PASS

4.2. Test Plots



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

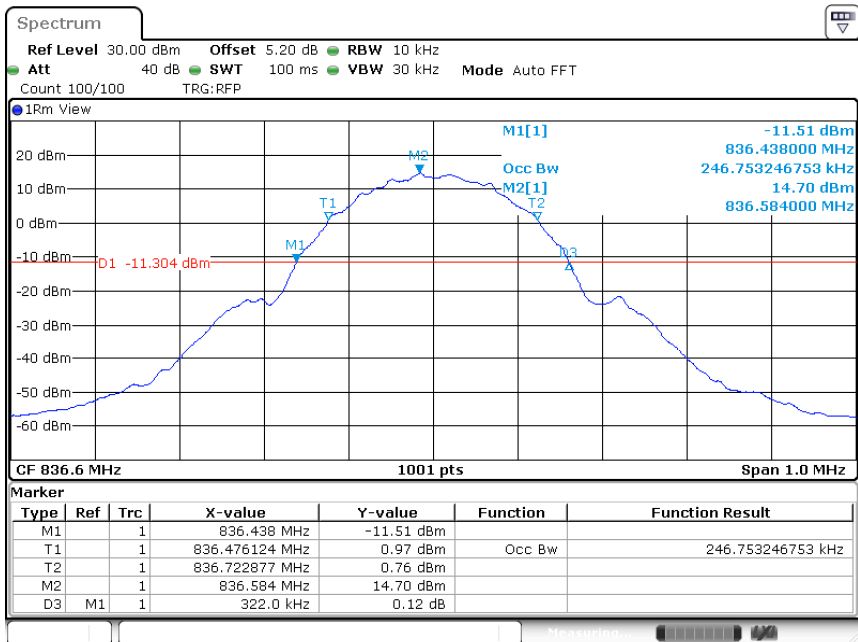
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Testing Center EEC Laboratory

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057
中国·深圳·科技园中区M-10栋一号厂房

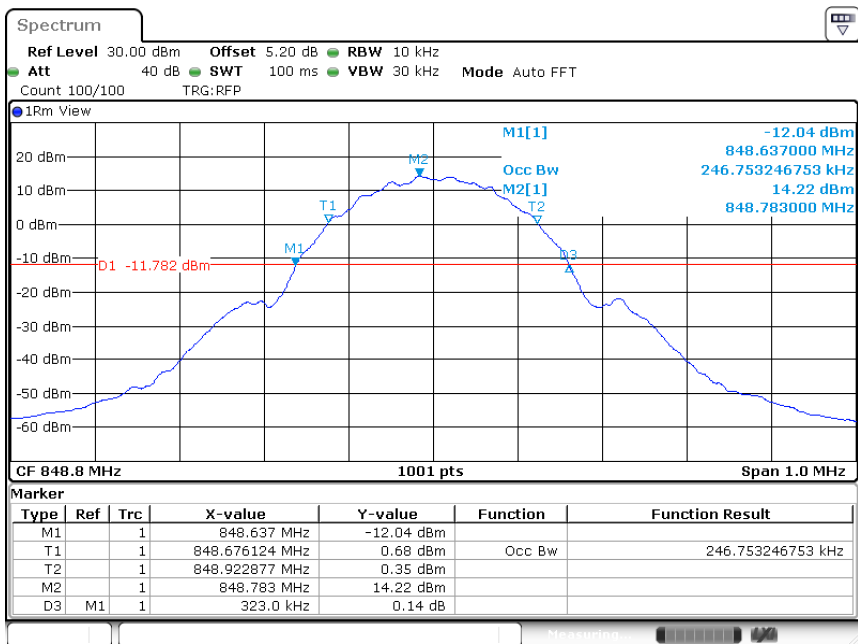
t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

GSM850-190



Date: 16.OCT.2020 15:39:08

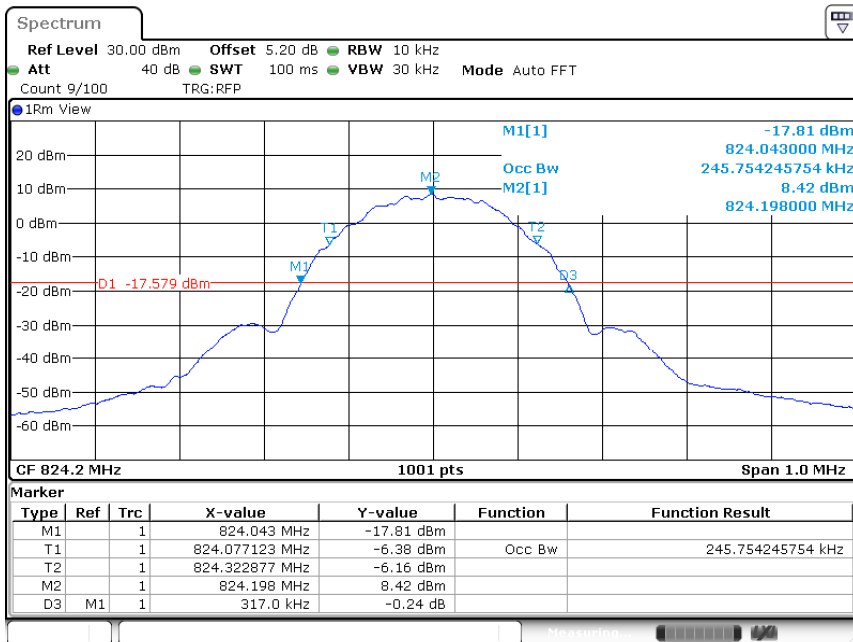
GSM850-251



Date: 16.OCT.2020 15:39:26

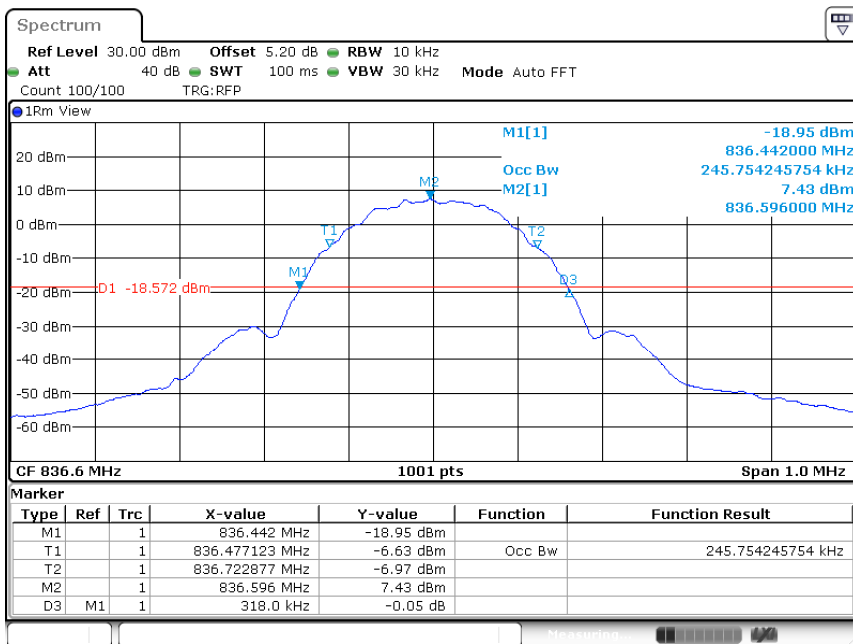


EGPRS850-128



Date: 16.OCT.2020 15:44:07

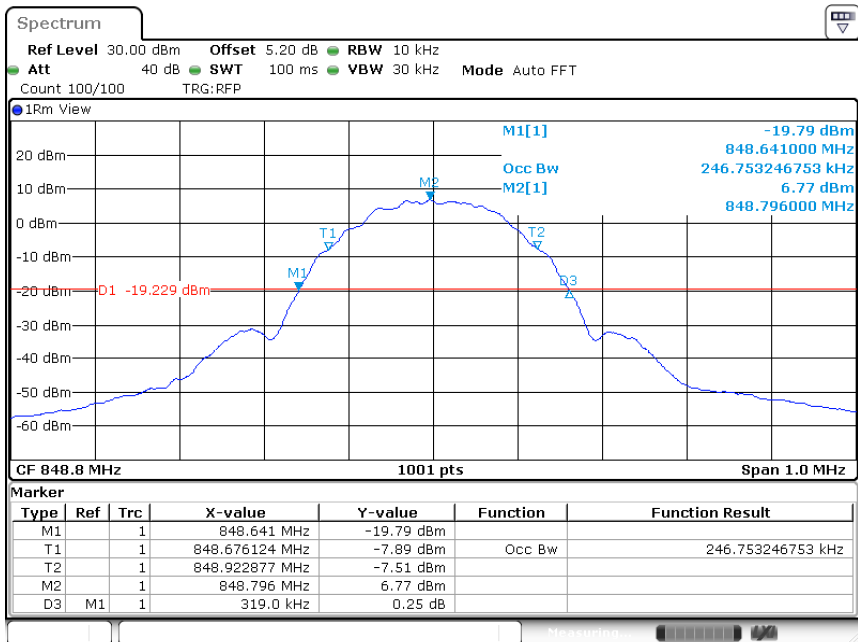
EGPRS850-190



Date: 16.OCT.2020 15:44:26

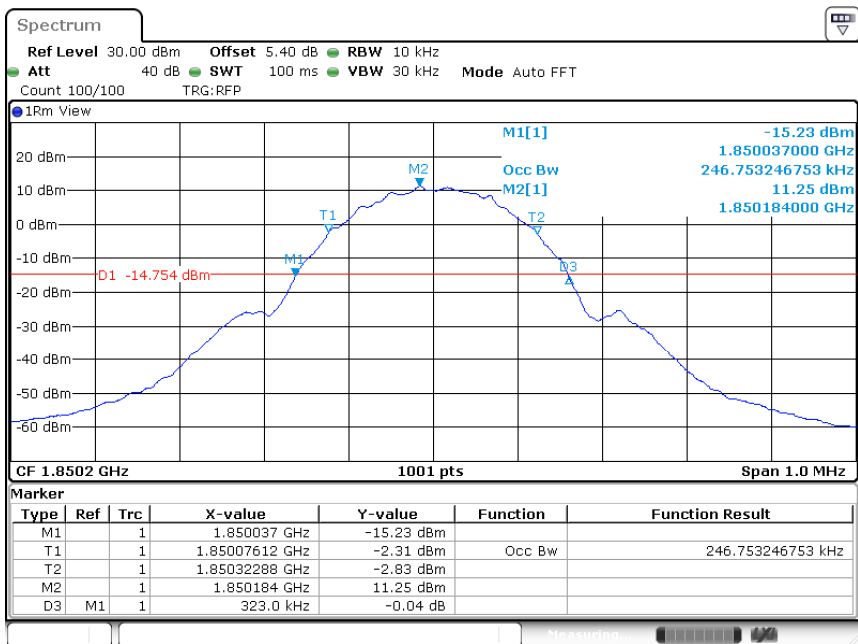


EGPRS850-251



Date: 16.OCT.2020 15:44:45

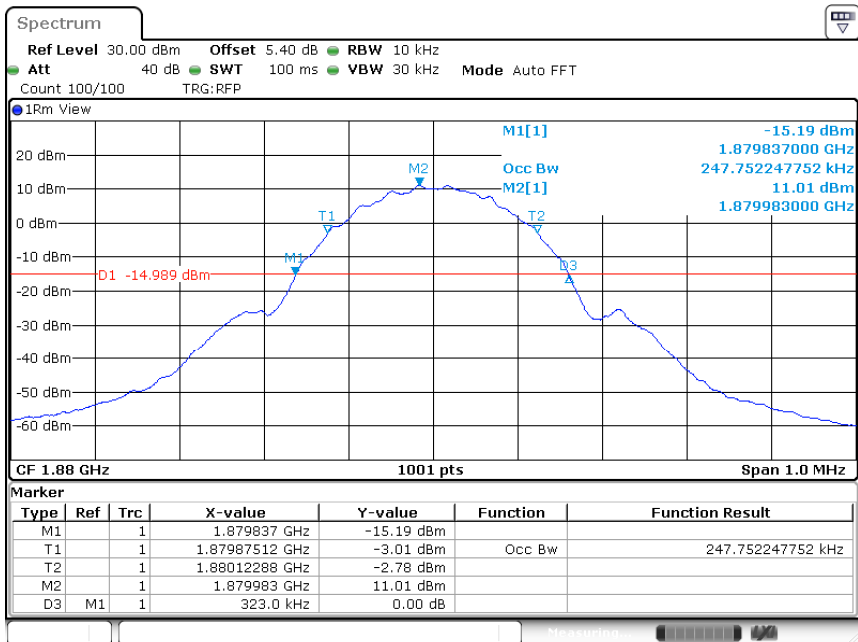
GSM1900-512



Date: 16.OCT.2020 15:19:39

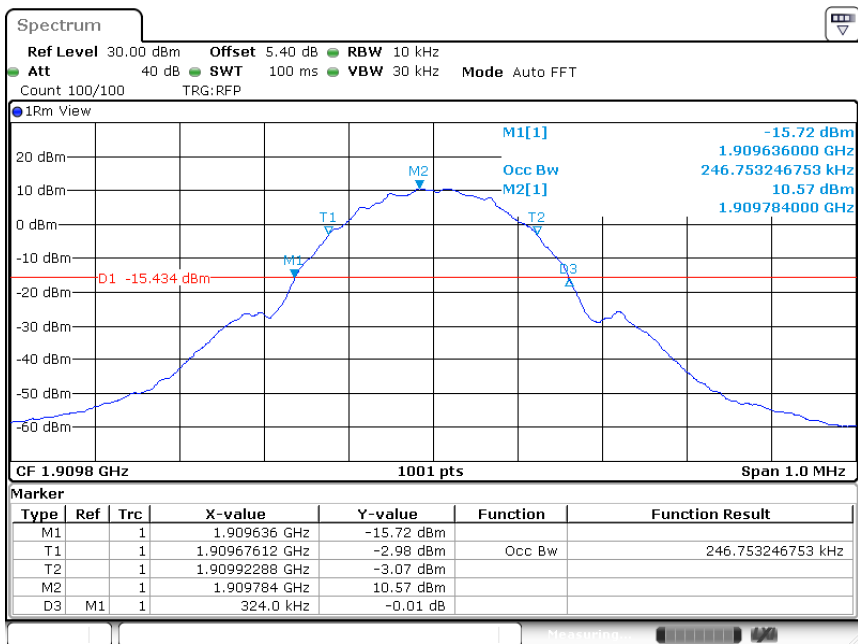


GSM1900-661



Date: 16.OCT.2020 15:19:57

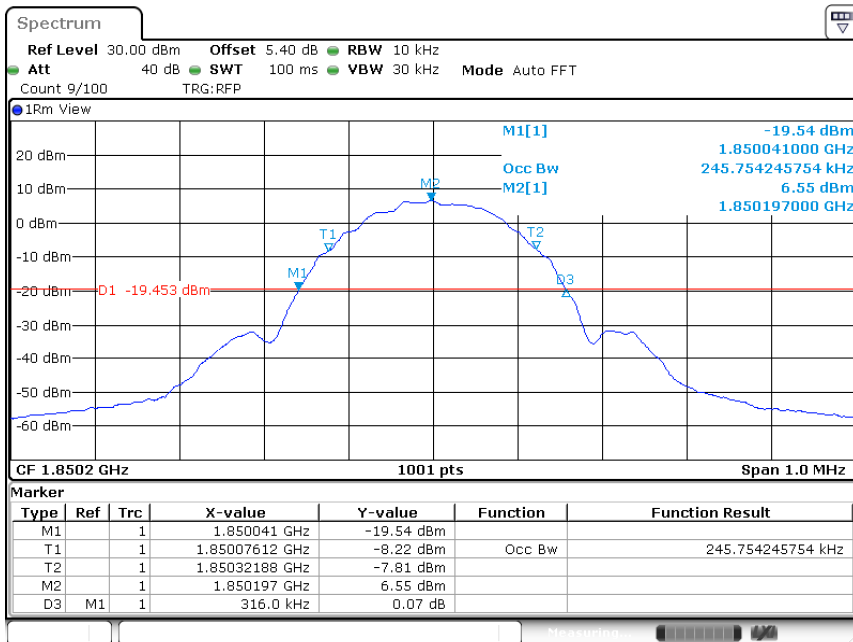
GSM1900-810



Date: 16.OCT.2020 15:20:15

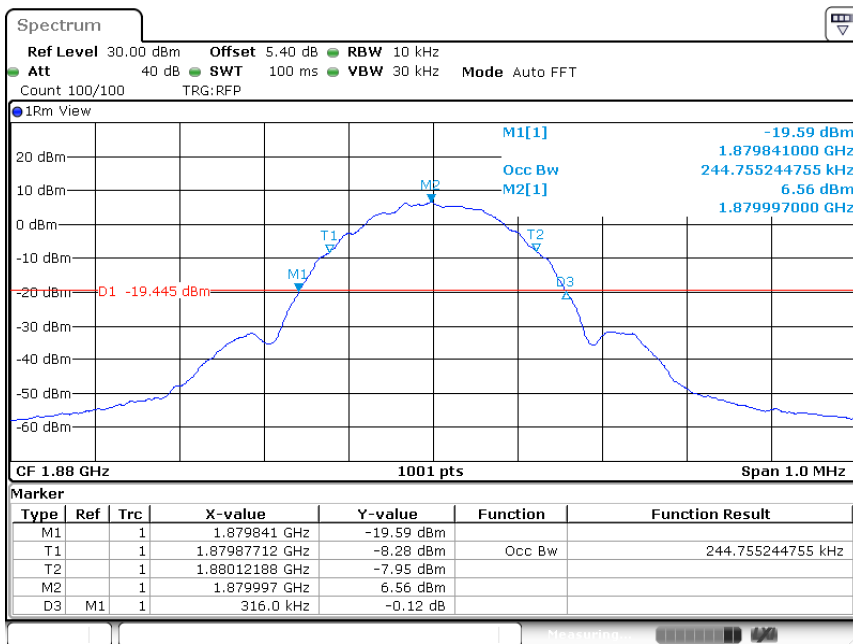


EGPRS1900-512



Date: 16.OCT.2020 15:25:32

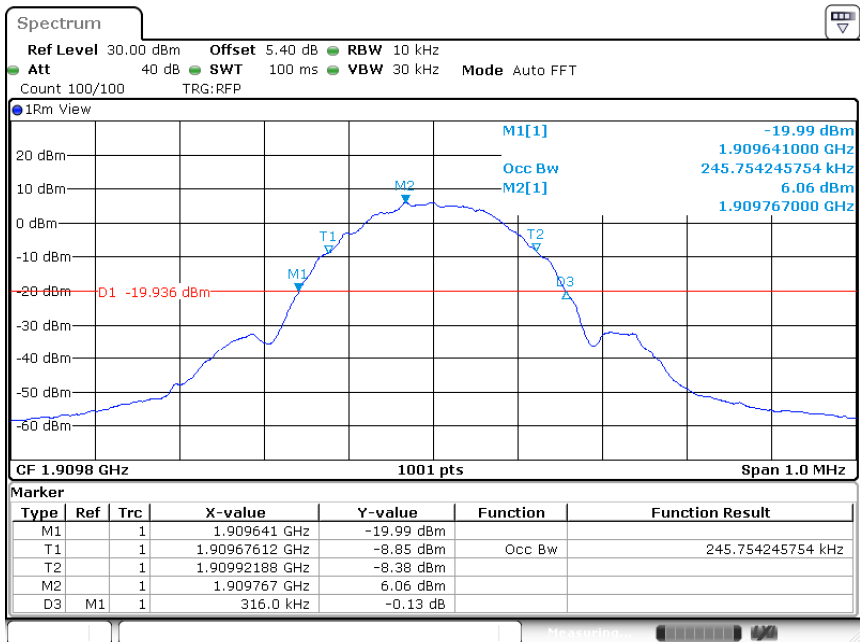
EGPRS1900-661



Date: 16.OCT.2020 15:25:51



EGPRS1900-810

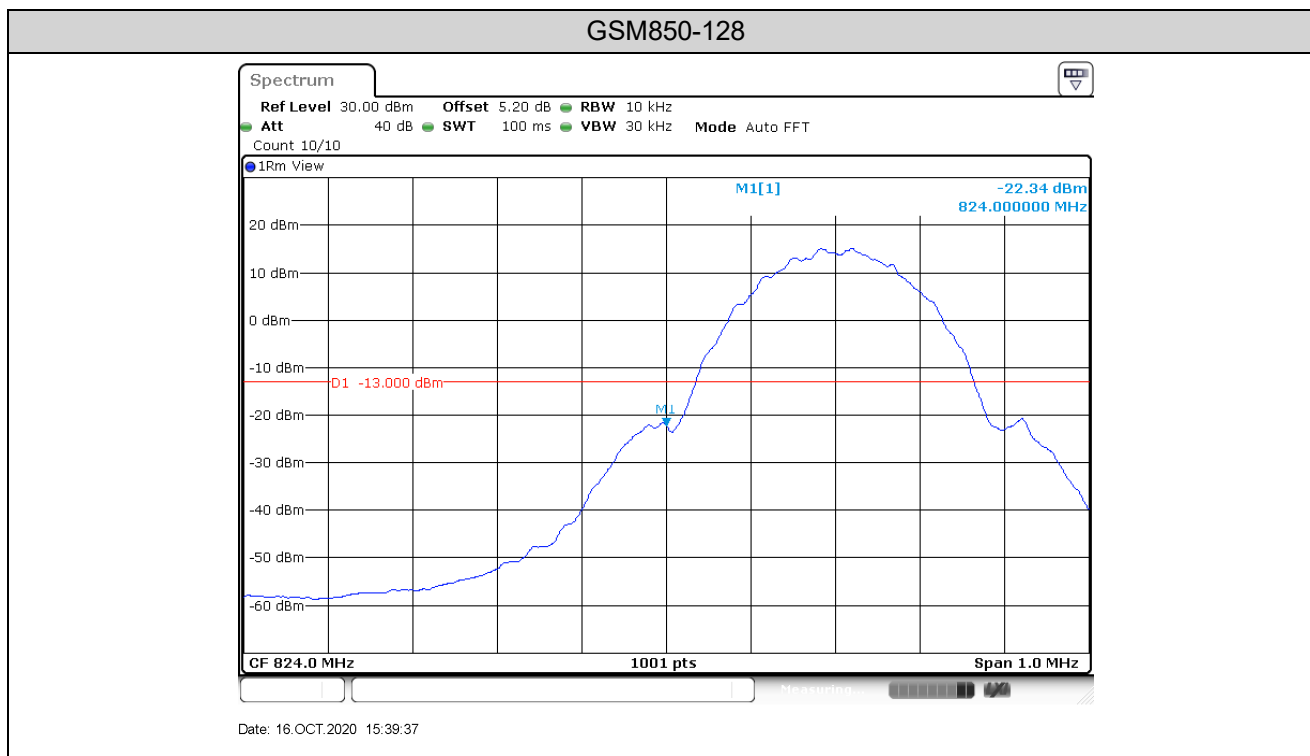


Date: 16.OCT.2020 15:26:10



5. Band Edge Compliance

5.1. Test Plots

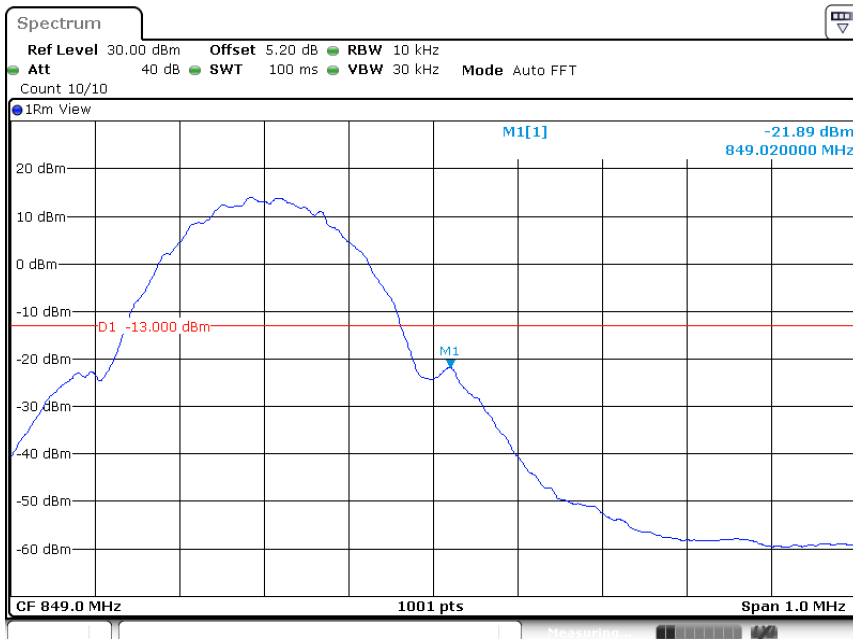


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

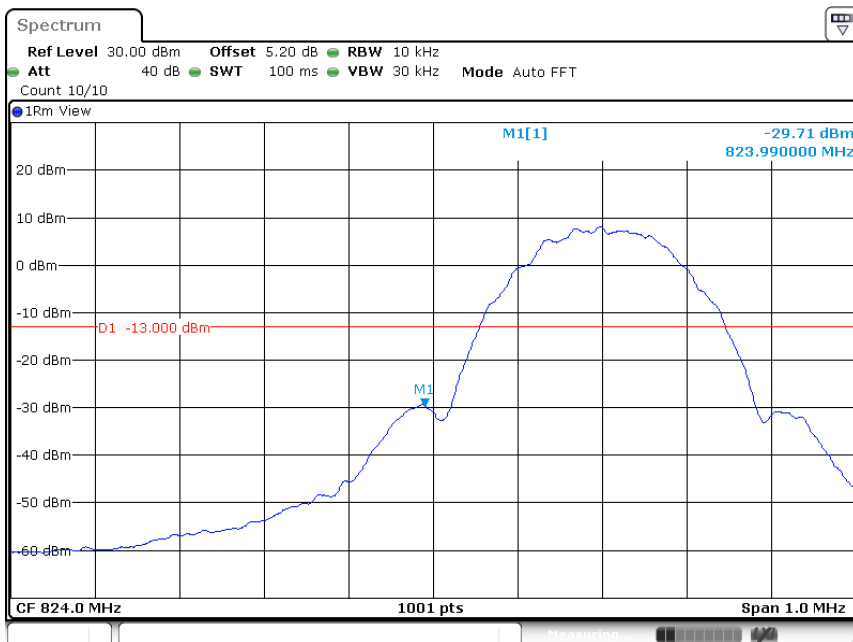
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

GSM850-251



Date: 16.OCT.2020 15:39:47

EGPRS850-128

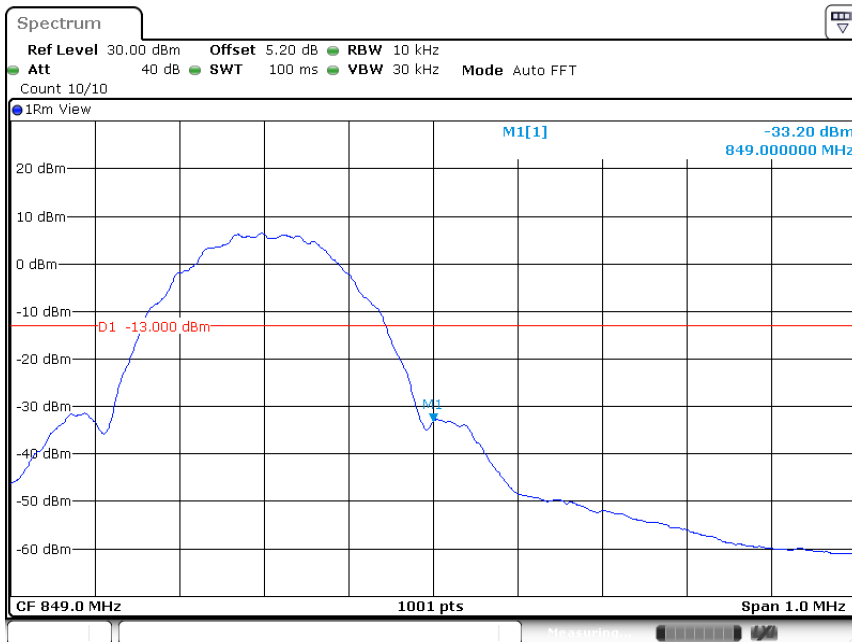


Date: 16.OCT.2020 15:44:56



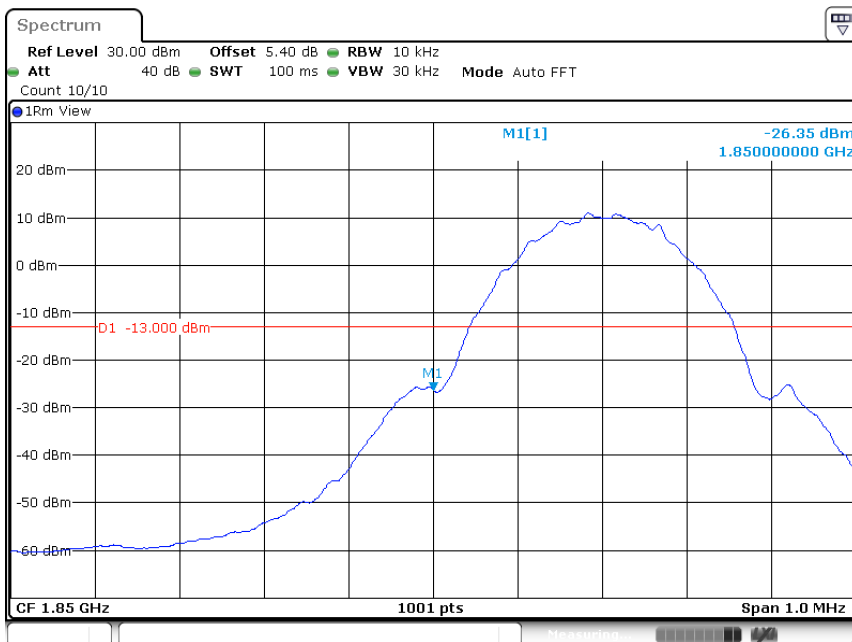
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
 Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

EGPRS850-251



Date: 16.OCT.2020 15:45:07

GSM1900-512



Date: 16.OCT.2020 15:20:26



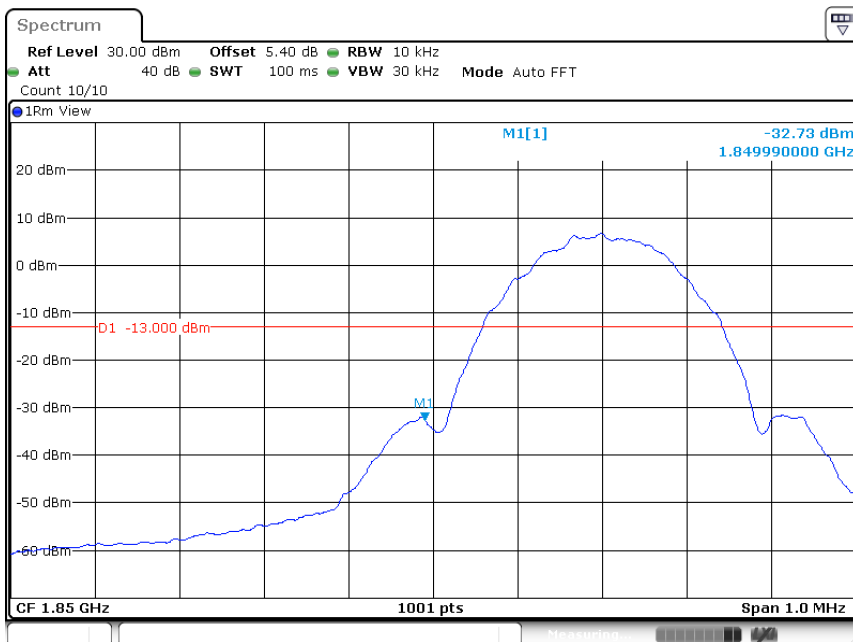
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
 Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

GSM1900-810



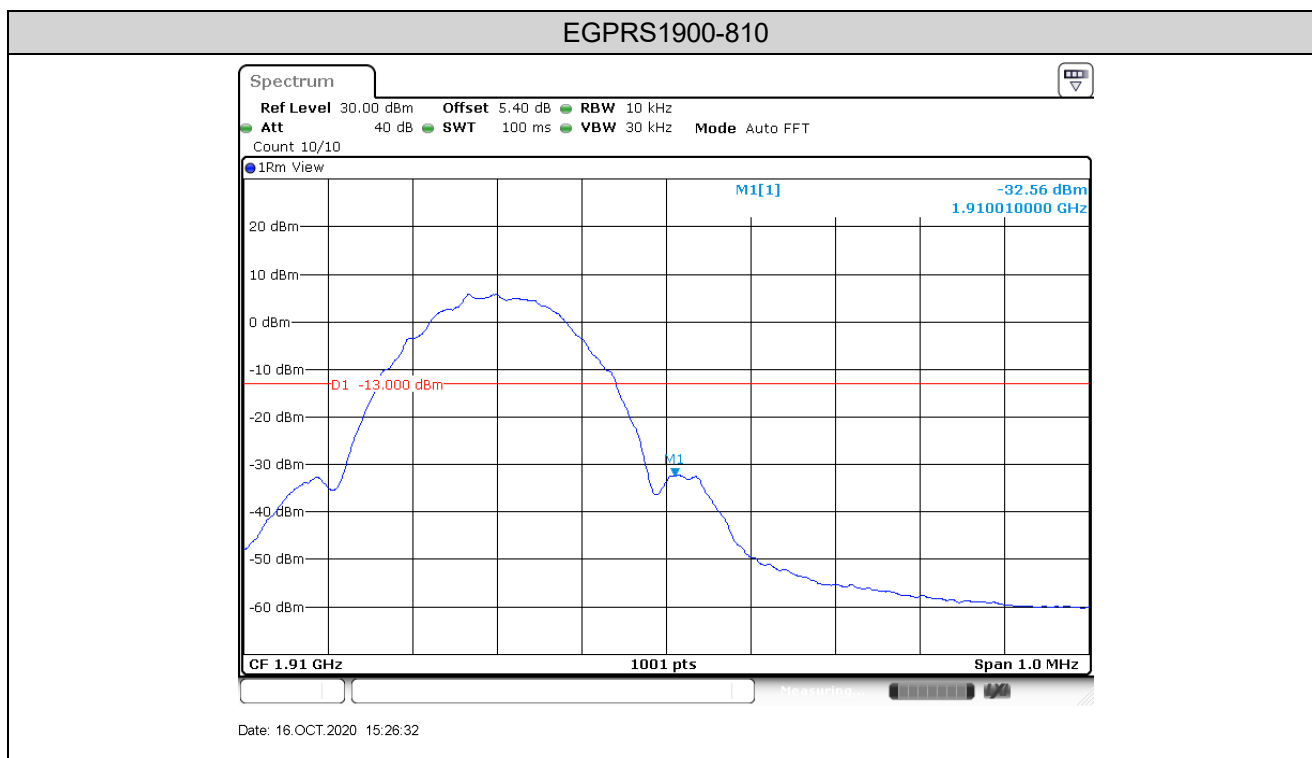
Date: 16.OCT.2020 15:20:36

EGPRS1900-512



Date: 16.OCT.2020 15:26:21





Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

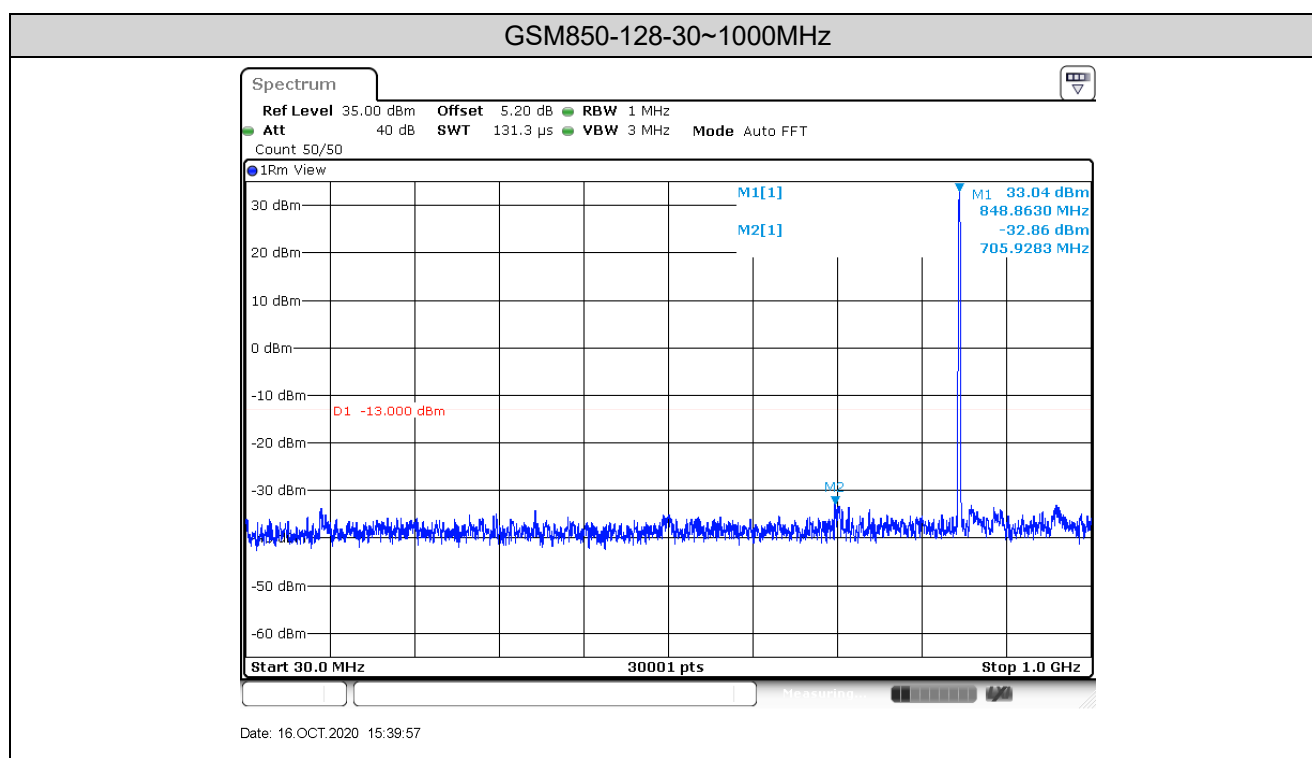


6. Spurious Emission at Antenna Terminal

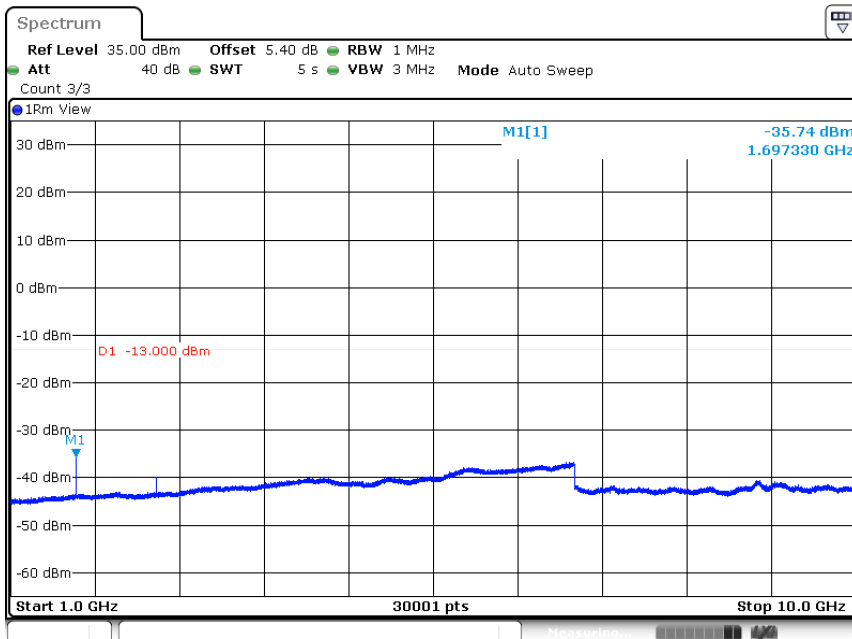
Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (\text{Span} / RBW)$ " 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

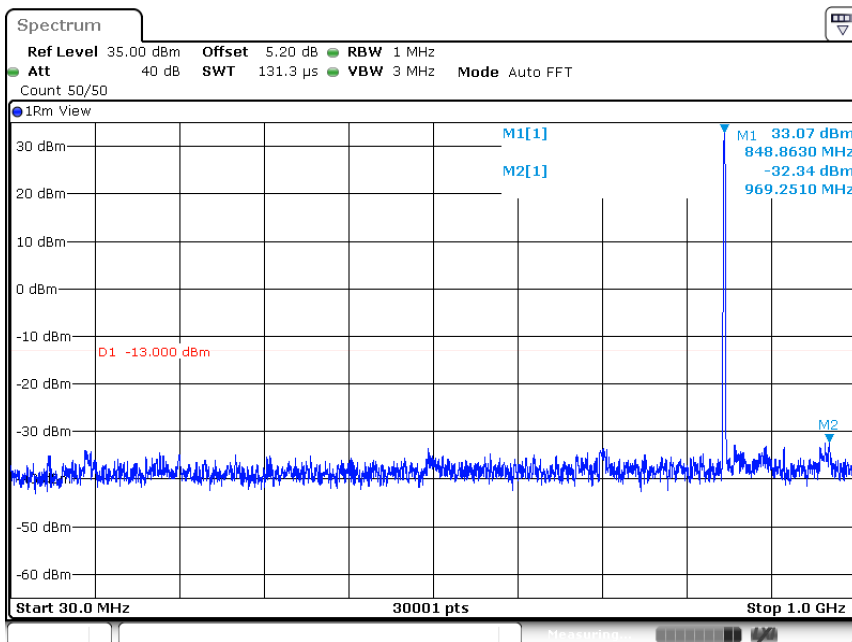


GSM850-128-1000~10000MHz



Date: 16.OCT.2020 15:40:19

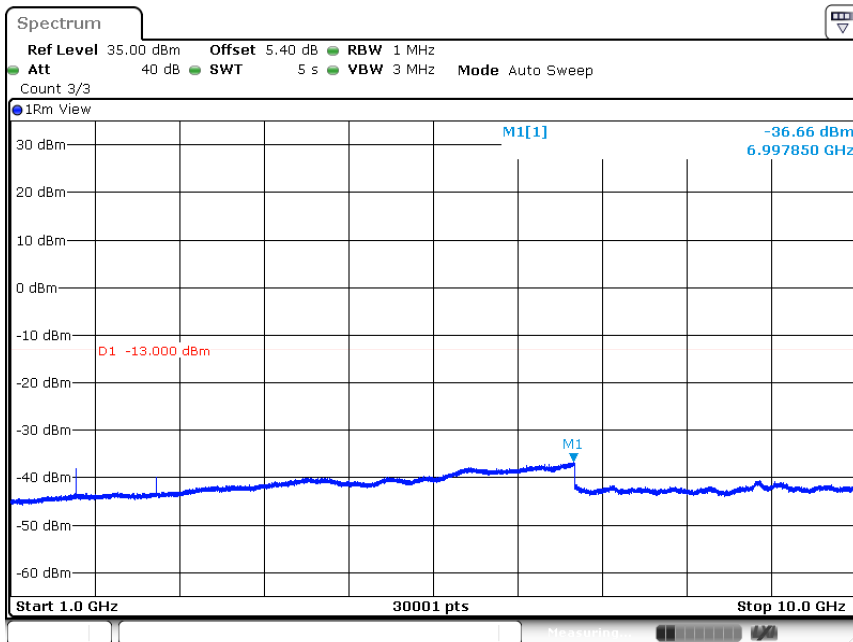
GSM850-190-30~1000MHz



Date: 16.OCT.2020 15:40:29

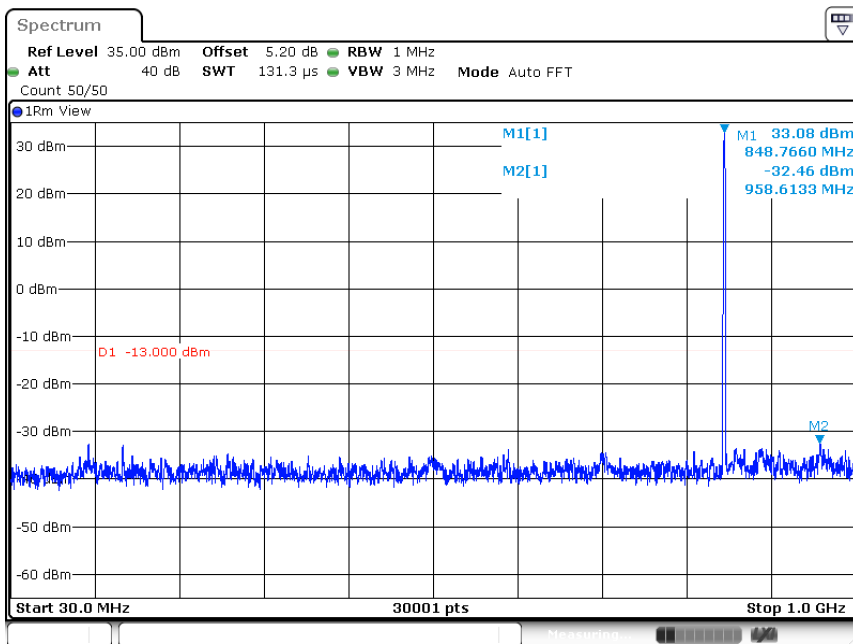


GSM850-190-1000~10000MHz



Date: 16.OCT.2020 15:40:52

GSM850-251-30~1000MHz

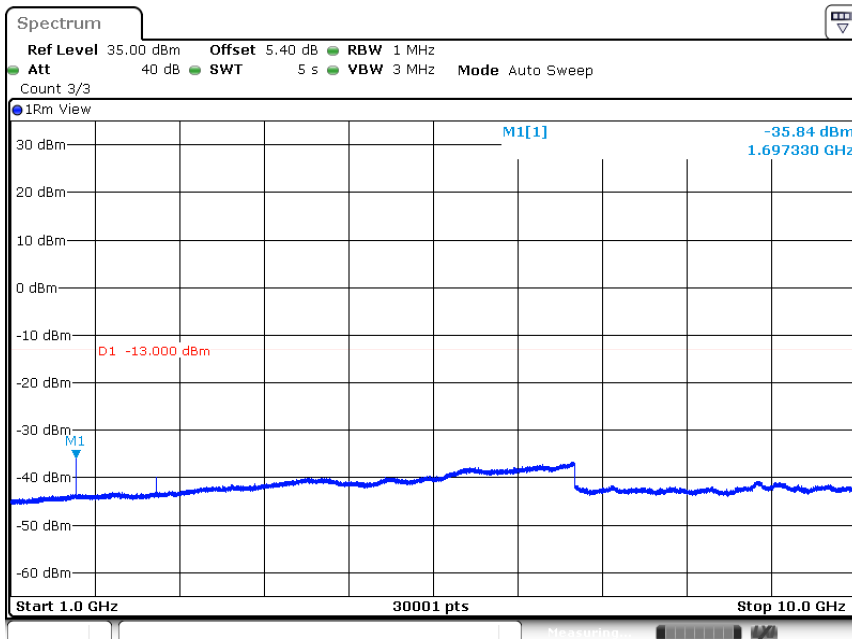


Date: 16.OCT.2020 15:41:01



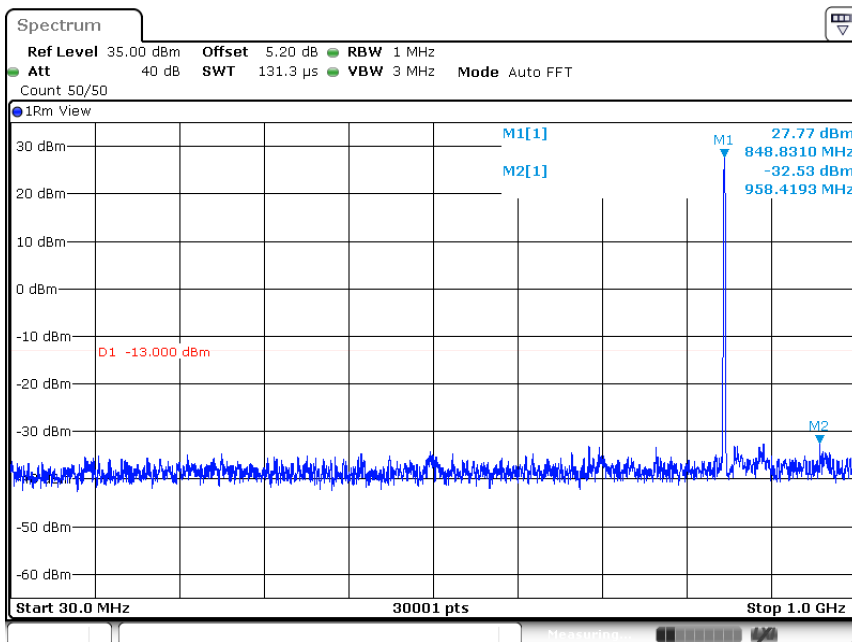
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
 Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

GSM850-251-1000~10000MHz



Date: 16.OCT.2020 15:41:24

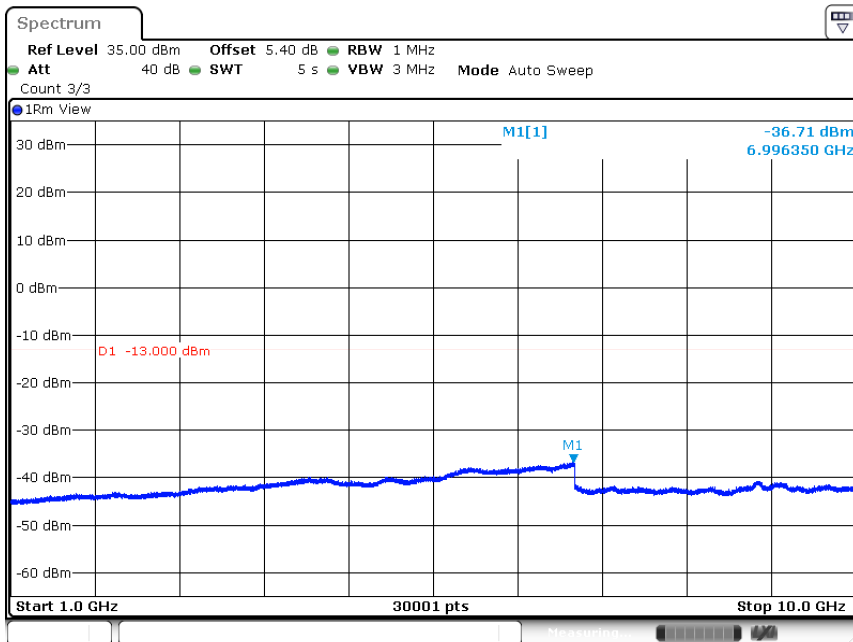
EGPRS850-128-30~1000MHz



Date: 16.OCT.2020 15:45:18

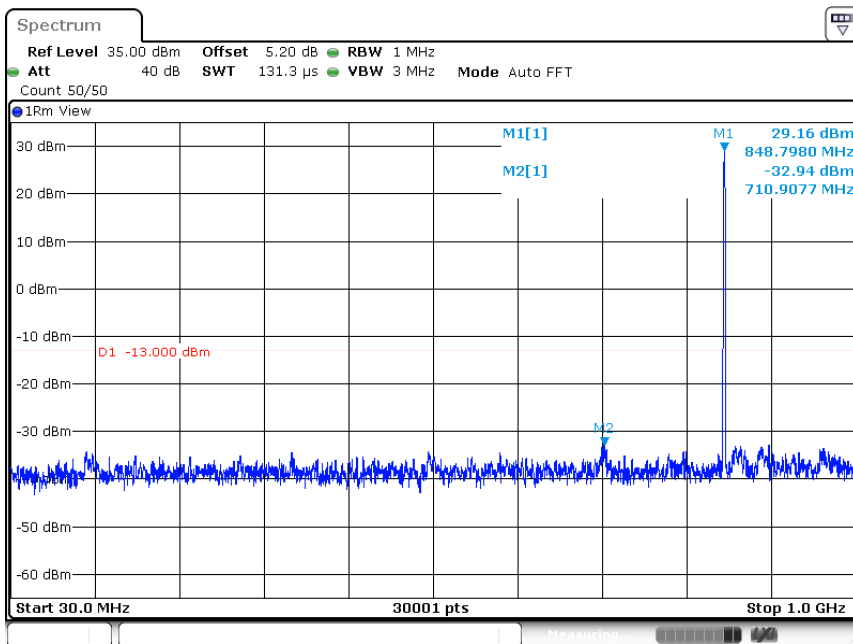


EGPRS850-128-1000~10000MHz



Date: 16.OCT.2020 15:45:40

EGPRS850-190-30~1000MHz



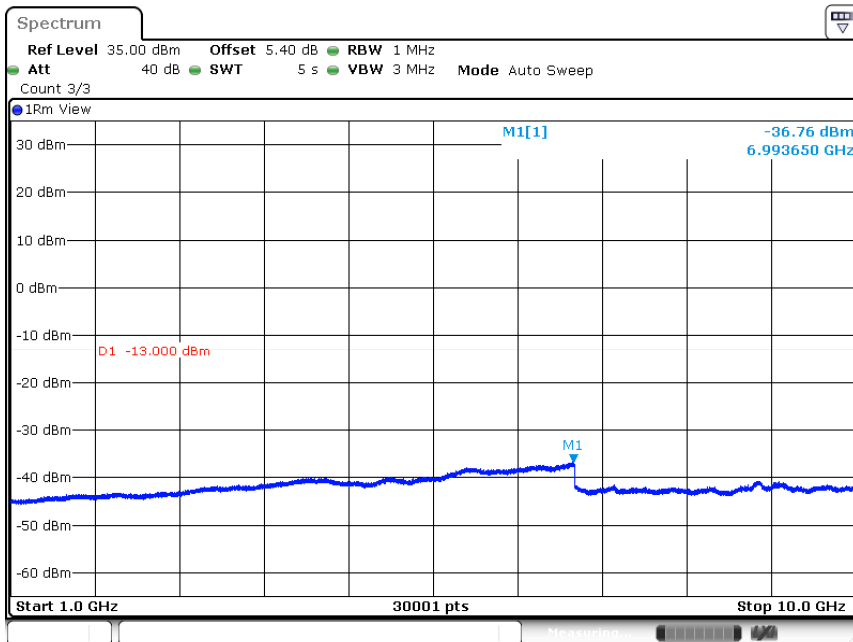
Date: 16.OCT.2020 15:45:51



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

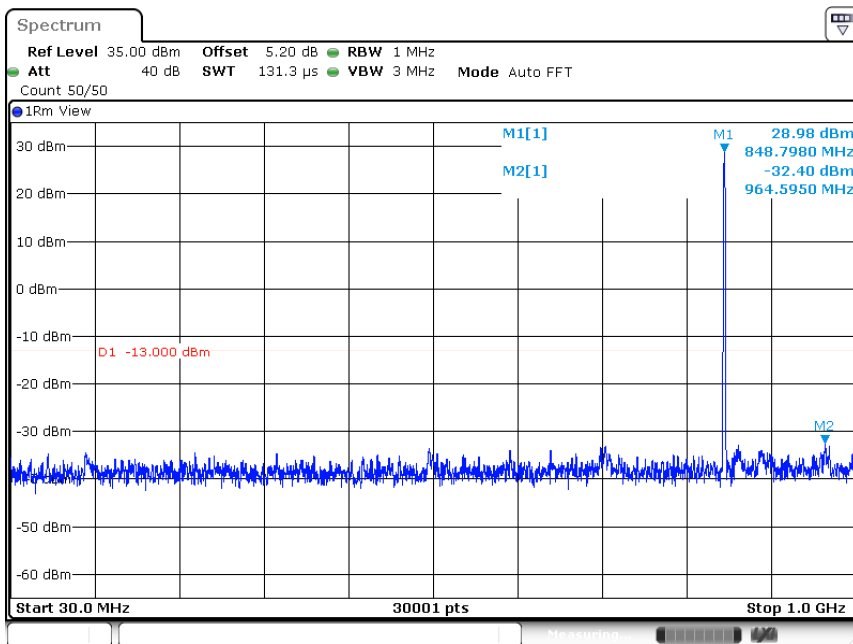
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

EGPRS850-190-1000~10000MHz



Date: 16.OCT.2020 15:46:14

EGPRS850-251-30~1000MHz

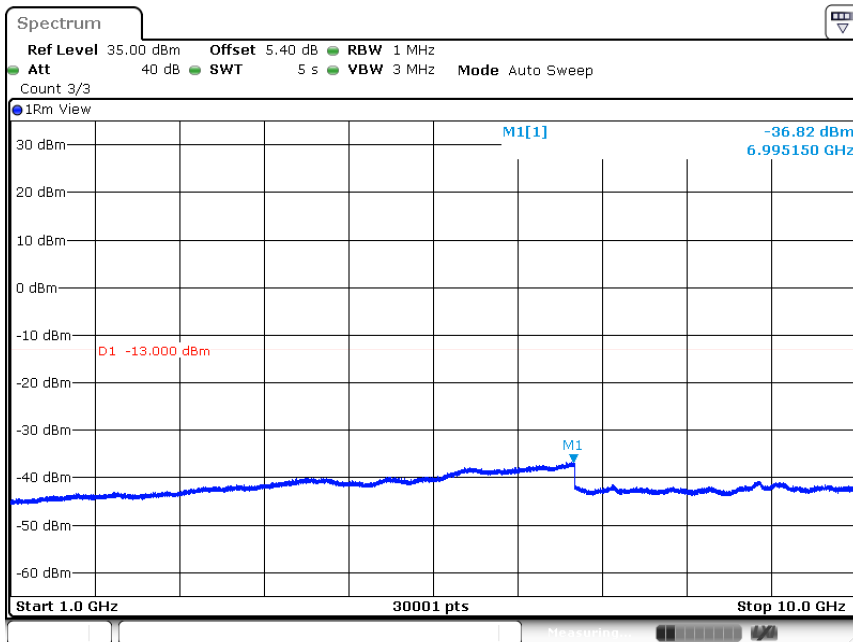


Date: 16.OCT.2020 15:46:27



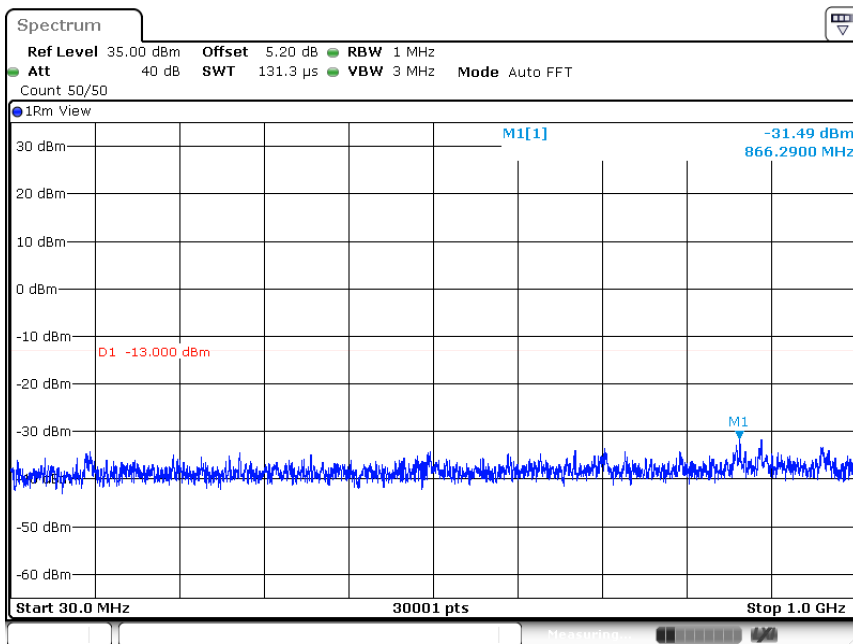
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

EGPRS850-251-1000~10000MHz



Date: 16.OCT.2020 15:46:49

GSM1900-512-30~1000MHz



Date: 16.OCT.2020 15:20:45

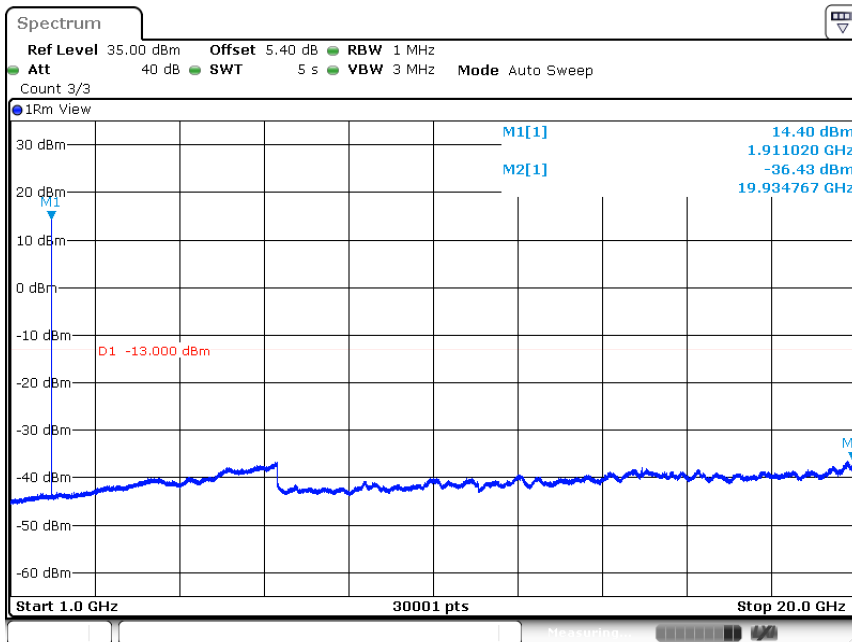


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

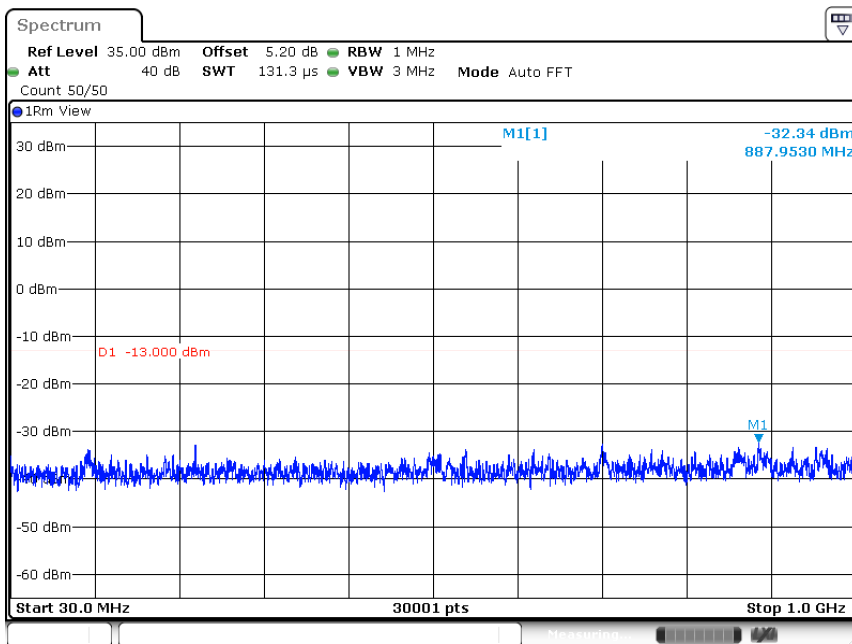
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

GSM1900-512-1000~20000MHz



Date: 16.OCT.2020 15:21:09

GSM1900-661-30~1000MHz

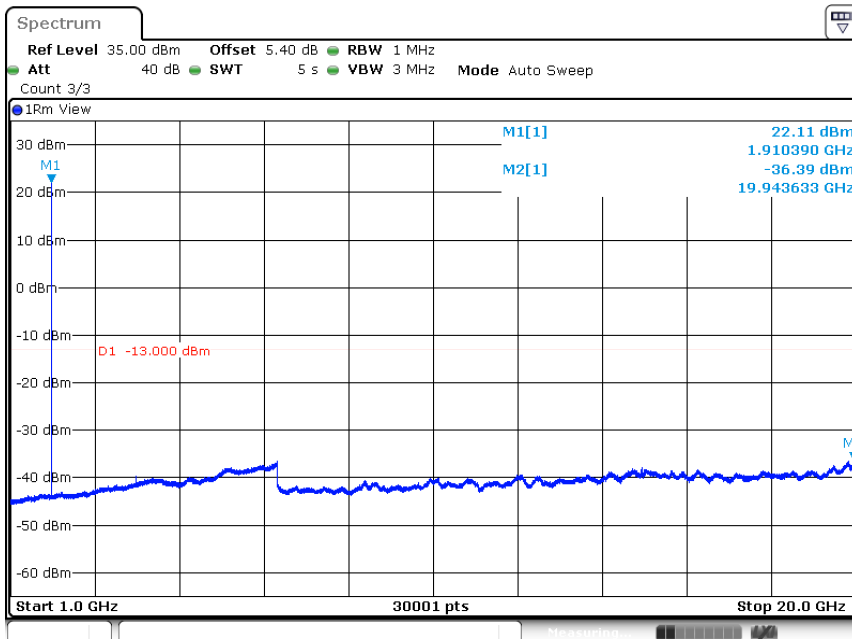


Date: 16.OCT.2020 15:21:18



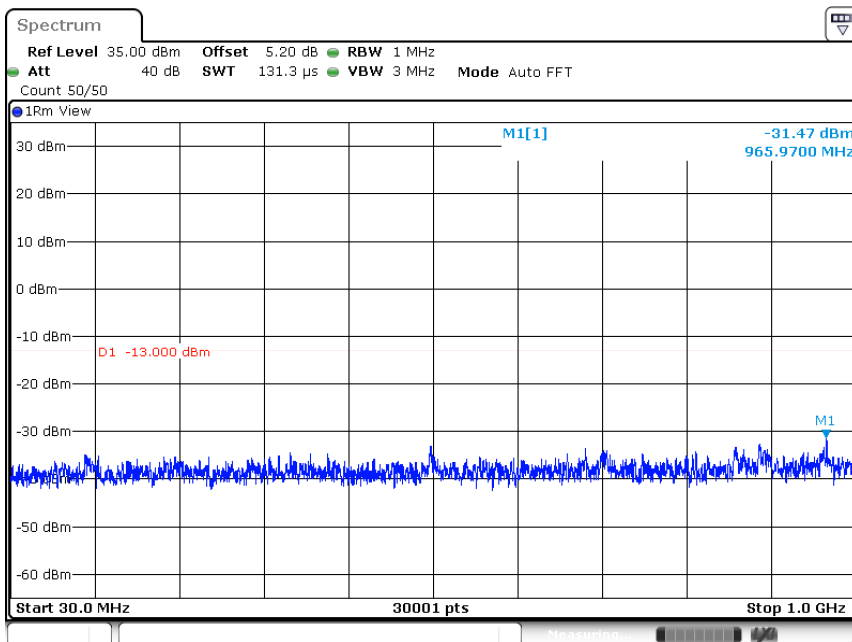
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
 Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

GSM1900-661-1000~20000MHz



Date: 16.OCT.2020 15:21:41

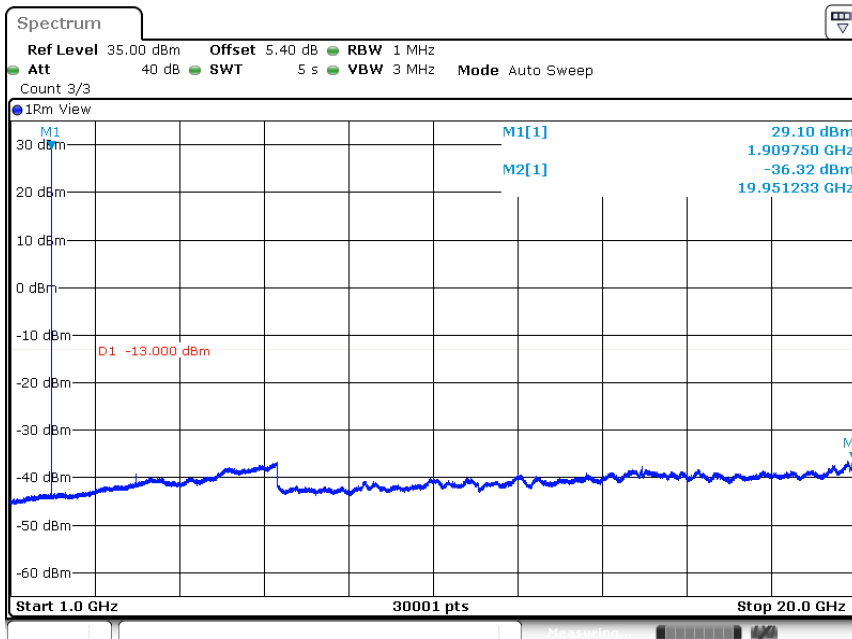
GSM1900-810-30~1000MHz



Date: 16.OCT.2020 15:21:50

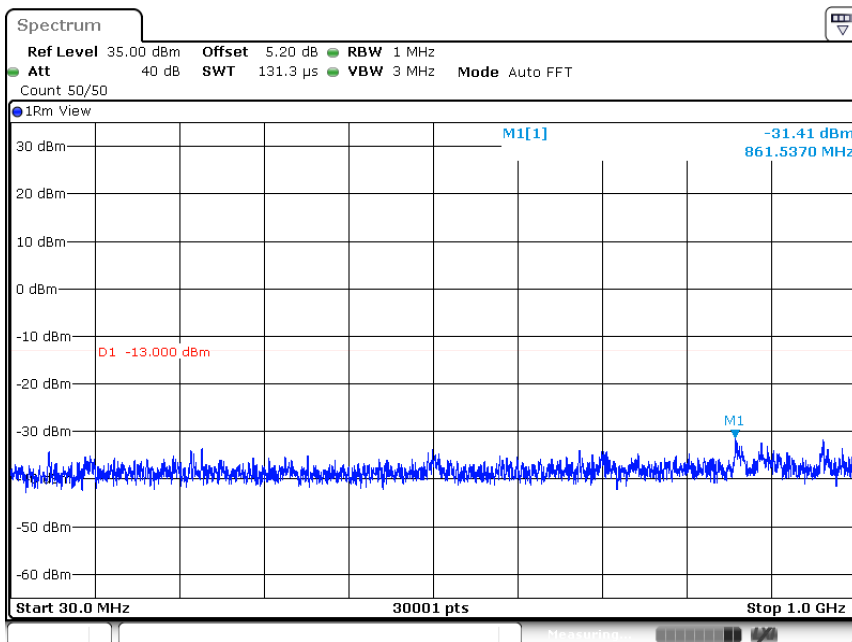


GSM1900-810-1000~20000MHz



Date: 16.OCT.2020 15:22:14

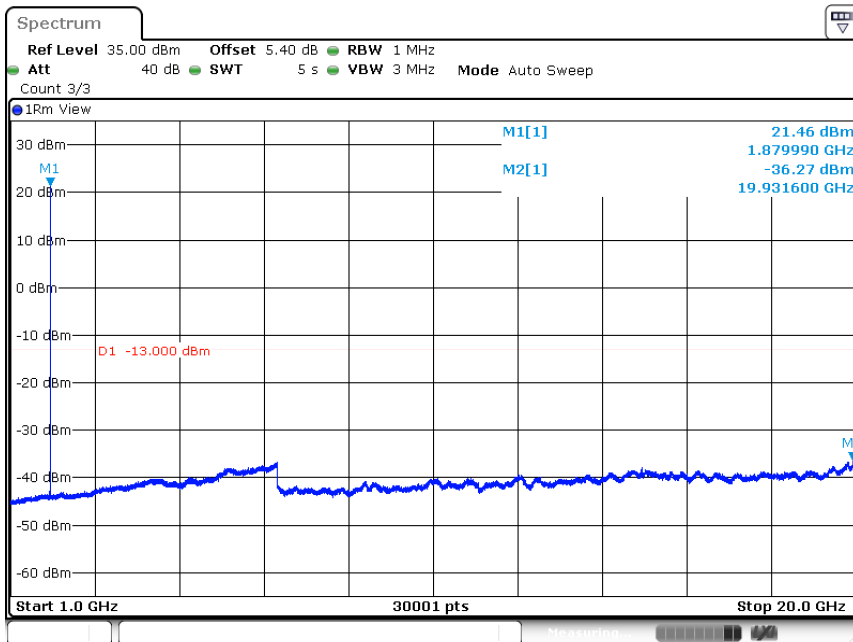
EGPRS1900-512-30~1000MHz



Date: 16.OCT.2020 16:43:16

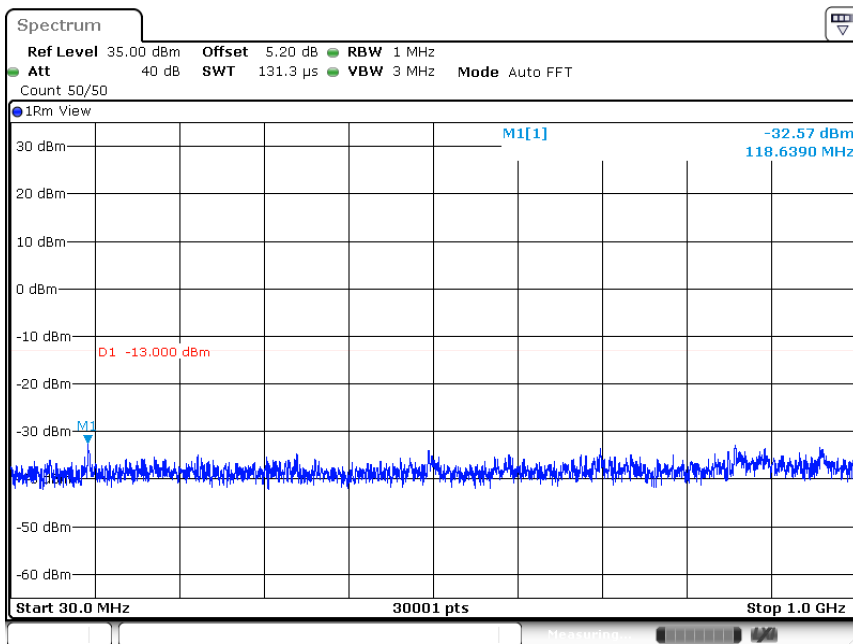


EGPRS1900-512-1000~20000MHz



Date: 16.OCT.2020 16:43:44

EGPRS1900-661-30~1000MHz

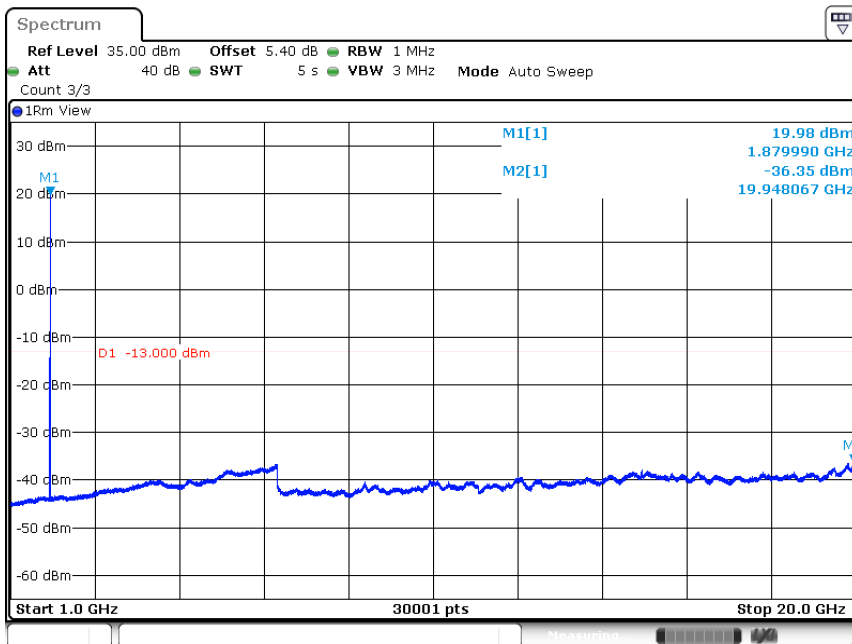


Date: 16.OCT.2020 16:43:53



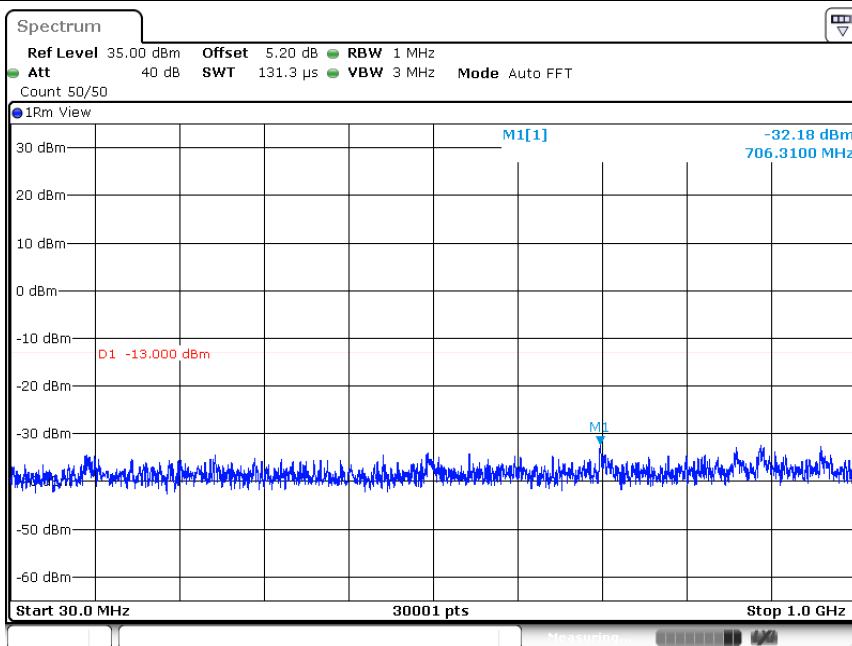
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

EGPRS1900-661-1000~20000MHz



Date: 16.OCT.2020 16:44:26

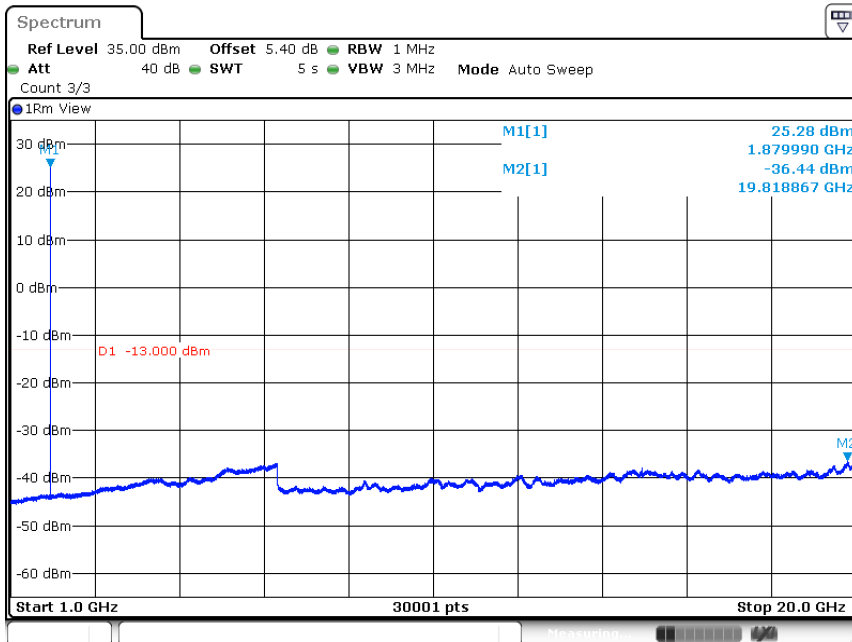
EGPRS1900-810-30~1000MHz



Date: 16.OCT.2020 16:44:35



EGPRS1900-810-1000~20000MHz



Date: 16.OCT.2020 16:45:15



7. Field Strength of Spurious Radiation

7.1. Test Band = GSM 1900(ANT1)

7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
30.6790	-75.95	-13.00	62.95	Vertical
112.2116	-64.80	-13.00	51.80	Vertical
584.7222	-64.04	-13.00	51.04	Vertical
3700.5234	-54.60	-13.00	41.60	Vertical
5550.0850	-46.67	-13.00	33.67	Vertical
17997.4999	-40.55	-13.00	27.55	Vertical
39.7490	-64.67	-13.00	51.67	Horizontal
82.3341	-75.90	-13.00	62.90	Horizontal
227.6474	-68.45	-13.00	55.45	Horizontal
3700.5234	-53.94	-13.00	40.94	Horizontal
5550.5850	-52.66	-13.00	39.66	Horizontal
16389.4463	-43.85	-13.00	30.85	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
30.4365	-76.21	-13.00	63.21	Vertical
115.1703	-65.04	-13.00	52.04	Vertical
470.2565	-66.06	-13.00	53.06	Vertical
3760.0253	-59.77	-13.00	46.77	Vertical
5640.0880	-51.14	-13.00	38.14	Vertical
17999.5000	-39.91	-13.00	26.91	Vertical
42.3681	-64.41	-13.00	51.41	Horizontal
100.9105	-75.39	-13.00	62.39	Horizontal
234.8257	-68.71	-13.00	55.71	Horizontal
3760.0253	-54.27	-13.00	41.27	Horizontal
5640.0880	-52.46	-13.00	39.46	Horizontal
16399.4466	-44.00	-13.00	31.00	Horizontal



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic formal documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Testing Center EEC Laboratory

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
31.3581	-75.95	-13.00	62.95	Vertical
115.2673	-65.18	-13.00	52.18	Vertical
597.7209	-64.01	-13.00	51.01	Vertical
3819.5273	-56.37	-13.00	43.37	Vertical
5729.5910	-52.99	-13.00	39.99	Vertical
17988.4996	-40.43	-13.00	27.43	Vertical
39.4580	-64.52	-13.00	51.52	Horizontal
102.6081	-76.03	-13.00	63.03	Horizontal
229.3450	-67.92	-13.00	54.92	Horizontal
3819.5273	-55.34	-13.00	42.34	Horizontal
5729.5910	-53.38	-13.00	40.38	Horizontal
16369.4456	-43.74	-13.00	30.74	Horizontal

7.2. Test Band = GSM 850(ANT1)

7.2.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
30.0970	-74.66	-13.00	61.66	Vertical
110.1260	-64.33	-13.00	51.33	Vertical
1648.1296	-44.89	-13.00	31.89	Vertical
2472.6945	-37.81	-13.00	24.81	Vertical
3476.2492	-58.63	-13.00	45.63	Vertical
4121.4374	-56.52	-13.00	43.52	Vertical
44.6962	-63.60	-13.00	50.60	Horizontal
230.2665	-67.71	-13.00	54.71	Horizontal
1648.1296	-46.08	-13.00	33.08	Horizontal
2472.6945	-35.90	-13.00	22.90	Horizontal
3296.8099	-54.77	-13.00	41.77	Horizontal
4121.6707	-59.25	-13.00	46.25	Horizontal



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Testing Center EEC Laboratory

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



7.2.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
30.4850	-75.05	-13.00	62.05	Vertical
107.7494	-64.37	-13.00	51.37	Vertical
1672.9346	-45.93	-13.00	32.93	Vertical
2509.9020	-38.50	-13.00	25.50	Vertical
3346.5116	-61.18	-13.00	48.18	Vertical
4182.8061	-61.40	-13.00	48.40	Vertical
44.1142	-63.87	-13.00	50.87	Horizontal
101.0076	-75.66	-13.00	62.66	Horizontal
235.5533	-67.90	-13.00	54.90	Horizontal
1673.3347	-46.62	-13.00	33.62	Horizontal
2509.9020	-33.99	-13.00	20.99	Horizontal
3346.0449	-59.52	-13.00	46.52	Horizontal

7.2.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
31.4066	-75.09	-13.00	62.09	Vertical
110.9991	-63.95	-13.00	50.95	Vertical
1697.7395	-48.72	-13.00	35.72	Vertical
2546.3093	-40.66	-13.00	27.66	Vertical
3395.5132	-60.60	-13.00	47.60	Vertical
9822.4274	-52.34	-13.00	39.34	Vertical
42.6591	-63.95	-13.00	50.95	Horizontal
104.9362	-75.20	-13.00	62.20	Horizontal
235.9413	-67.80	-13.00	54.80	Horizontal
1697.3395	-48.86	-13.00	35.86	Horizontal
2546.3093	-39.89	-13.00	26.89	Horizontal
3395.2798	-60.16	-13.00	47.16	Horizontal



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Testing Center EEC Laboratory

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



7.3. Test Band = GSM 1900(ANT2)

7.3.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
30.7275	-74.95	-13.00	61.95	Vertical
108.8164	-64.51	-13.00	51.51	Vertical
605.4813	-63.00	-13.00	50.00	Vertical
3700.5234	-49.67	-13.00	36.67	Vertical
5550.5850	-46.67	-13.00	33.67	Vertical
17999.5000	-40.51	-13.00	27.51	Vertical
42.3196	-64.43	-13.00	51.43	Horizontal
103.0932	-75.28	-13.00	62.28	Horizontal
235.4078	-68.93	-13.00	55.93	Horizontal
3700.5234	-49.32	-13.00	36.32	Horizontal
5550.5850	-51.12	-13.00	38.12	Horizontal
16366.4455	-44.37	-13.00	31.37	Horizontal

7.3.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
30.1455	-74.79	-13.00	61.79	Vertical
110.1745	-65.05	-13.00	52.05	Vertical
602.4256	-63.83	-13.00	50.83	Vertical
3760.0253	-53.88	-13.00	40.88	Vertical
5640.0880	-48.81	-13.00	35.81	Vertical
17993.9998	-40.47	-13.00	27.47	Vertical
42.3196	-64.06	-13.00	51.06	Horizontal
88.8819	-75.00	-13.00	62.00	Horizontal
235.9413	-68.89	-13.00	55.89	Horizontal
3760.0253	-50.57	-13.00	37.57	Horizontal
5640.0880	-53.50	-13.00	40.50	Horizontal
16399.9467	-43.90	-13.00	30.90	Horizontal



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Testing Center EEC Laboratory

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



7.3.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
30.5820	-74.62	-13.00	61.62	Vertical
111.6781	-65.25	-13.00	52.25	Vertical
390.0335	-66.94	-13.00	53.94	Vertical
3819.5273	-54.52	-13.00	41.52	Vertical
7380.1460	-56.17	-13.00	43.17	Vertical
17990.4997	-40.40	-13.00	27.40	Vertical
43.9687	-64.10	-13.00	51.10	Horizontal
106.2943	-75.74	-13.00	62.74	Horizontal
242.3921	-67.83	-13.00	54.83	Horizontal
3819.5273	-54.17	-13.00	41.17	Horizontal
5729.5910	-53.36	-13.00	40.36	Horizontal
16383.9461	-44.06	-13.00	31.06	Horizontal

7.4. Test Band = GSM 850(ANT2)

7.4.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
30.3880	-74.73	-13.00	61.73	Vertical
110.9991	-64.34	-13.00	51.34	Vertical
427.6229	-66.52	-13.00	53.52	Vertical
1648.1296	-47.20	-13.00	34.20	Vertical
2473.0946	-36.48	-13.00	23.48	Vertical
3296.8099	-60.11	-13.00	47.11	Vertical
44.7447	-64.53	-13.00	51.53	Horizontal
99.4070	-75.12	-13.00	62.12	Horizontal
243.3622	-67.42	-13.00	54.42	Horizontal
1648.1296	-45.76	-13.00	32.76	Horizontal
2472.6945	-36.73	-13.00	23.73	Horizontal
3296.8099	-56.25	-13.00	43.25	Horizontal



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Testing Center EEC Laboratory

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



7.4.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
30.6305	-74.33	-13.00	61.33	Vertical
113.0847	-64.31	-13.00	51.31	Vertical
345.3628	-68.31	-13.00	55.31	Vertical
1672.9346	-47.92	-13.00	34.92	Vertical
2509.9020	-34.17	-13.00	21.17	Vertical
3346.2782	-61.27	-13.00	48.27	Vertical
43.6292	-63.92	-13.00	50.92	Horizontal
112.9391	-74.23	-13.00	61.23	Horizontal
228.9084	-67.82	-13.00	54.82	Horizontal
1672.9346	-45.46	-13.00	32.46	Horizontal
2509.9020	-33.55	-13.00	20.55	Horizontal
3346.2782	-58.30	-13.00	45.30	Horizontal

7.4.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
30.0485	-74.75	-13.00	61.75	Vertical
113.7152	-64.87	-13.00	51.87	Vertical
384.3102	-66.80	-13.00	53.80	Vertical
1697.7395	-51.07	-13.00	38.07	Vertical
2546.7093	-42.28	-13.00	29.28	Vertical
3395.2798	-60.42	-13.00	47.42	Vertical
42.8531	-63.47	-13.00	50.47	Horizontal
99.7465	-75.50	-13.00	62.50	Horizontal
232.5461	-67.23	-13.00	54.23	Horizontal
1697.3395	-46.96	-13.00	33.96	Horizontal
2546.7093	-41.30	-13.00	28.30	Horizontal
3395.2798	-60.49	-13.00	47.49	Horizontal



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Testing Center EEC Laboratory

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Test on the worst case:

7.5. Test Band = GSM 850(ANT1)

7.5.1. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
30.1455	-74.13	-13.00	61.13	Vertical
109.6895	-63.05	-13.00	50.05	Vertical
606.6453	-62.18	-13.00	49.18	Vertical
1673.3347	-49.86	-13.00	36.86	Vertical
2509.9020	-39.30	-13.00	26.30	Vertical
9272.2091	-52.65	-13.00	39.65	Vertical
44.8417	-62.28	-13.00	49.28	Horizontal
120.0205	-74.45	-13.00	61.45	Horizontal
240.3550	-66.32	-13.00	53.32	Horizontal
1673.3347	-36.53	-13.00	23.53	Horizontal
2509.9020	-36.60	-13.00	23.60	Horizontal
9311.1770	-53.32	-13.00	40.32	Horizontal

7.6. Test Band = GSM 850(ANT2)

7.6.1. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
30.5820	-73.72	-13.00	60.72	Vertical
120.0205	-63.54	-13.00	50.54	Vertical
341.0461	-66.83	-13.00	53.83	Vertical
1672.9346	-49.06	-13.00	36.06	Vertical
2509.9020	-34.12	-13.00	21.12	Vertical
9850.4283	-52.89	-13.00	39.89	Vertical
45.1328	-62.75	-13.00	49.75	Horizontal
252.5291	-66.65	-13.00	53.65	Horizontal
1673.3347	-40.87	-13.00	27.87	Horizontal
2509.9020	-28.27	-13.00	15.27	Horizontal
4182.8061	-58.08	-13.00	45.08	Horizontal
5855.8619	-59.21	-13.00	46.21	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.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic formal documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch, Testing Center, EEC Laboratory

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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	NT	17.14	0.020796	±2.5	PASS
GSM850	128	VN	NT	13.27	0.016100	±2.5	PASS
GSM850	128	VH	NT	13.04	0.015821	±2.5	PASS
GSM850	190	VL	NT	24.99	0.029871	±2.5	PASS
GSM850	190	VN	NT	22.15	0.026476	±2.5	PASS
GSM850	190	VH	NT	17.98	0.021492	±2.5	PASS
GSM850	251	VL	NT	16.89	0.019899	±2.5	PASS
GSM850	251	VN	NT	13.75	0.016199	±2.5	PASS
GSM850	251	VH	NT	20.40	0.024034	±2.5	PASS
EGPRS850	128	VL	NT	28.25	0.034276	±2.5	PASS
EGPRS850	128	VN	NT	29.15	0.035368	±2.5	PASS
EGPRS850	128	VH	NT	31.54	0.038267	±2.5	PASS
EGPRS850	190	VL	NT	33.48	0.040019	±2.5	PASS
EGPRS850	190	VN	NT	33.64	0.040210	±2.5	PASS
EGPRS850	190	VH	NT	37.03	0.044262	±2.5	PASS
EGPRS850	251	VL	NT	31.38	0.036970	±2.5	PASS
EGPRS850	251	VN	NT	33.67	0.039668	±2.5	PASS
EGPRS850	251	VH	NT	32.12	0.037842	±2.5	PASS
GSM1900	512	VL	NT	32.64	0.017641	±2.5	PASS
GSM1900	512	VN	NT	38.07	0.020576	±2.5	PASS
GSM1900	512	VH	NT	41.04	0.022181	±2.5	PASS
GSM1900	661	VL	NT	24.21	0.012878	±2.5	PASS
GSM1900	661	VN	NT	23.89	0.012707	±2.5	PASS
GSM1900	661	VH	NT	26.86	0.014287	±2.5	PASS
GSM1900	810	VL	NT	10.20	0.005341	±2.5	PASS
GSM1900	810	VN	NT	14.75	0.007723	±2.5	PASS
GSM1900	810	VH	NT	8.20	0.004294	±2.5	PASS
EGPRS1900	512	VL	NT	54.69	0.029559	±2.5	PASS
EGPRS1900	512	VN	NT	52.40	0.028321	±2.5	PASS
EGPRS1900	512	VH	NT	55.05	0.029754	±2.5	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic formal documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch, Inspection & Testing Services, CCC Laboratory.

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



EGPRS1900	661	VL	NT	33.84	0.018000	±2.5	PASS
EGPRS1900	661	VN	NT	41.52	0.022085	±2.5	PASS
EGPRS1900	661	VH	NT	36.74	0.019543	±2.5	PASS
EGPRS1900	810	VL	NT	27.96	0.014640	±2.5	PASS
EGPRS1900	810	VN	NT	25.89	0.013556	±2.5	PASS
EGPRS1900	810	VH	NT	28.28	0.014808	±2.5	PASS

8.2. Frequency Error Vs Temperature

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	NV	-30	17.27	0.020954	±2.5	PASS
GSM850	128	NV	-20	15.59	0.018915	±2.5	PASS
GSM850	128	NV	-10	14.46	0.017544	±2.5	PASS
GSM850	128	NV	0	17.69	0.021463	±2.5	PASS
GSM850	128	NV	10	17.11	0.020760	±2.5	PASS
GSM850	128	NV	20	21.15	0.025661	±2.5	PASS
GSM850	128	NV	30	20.63	0.025030	±2.5	PASS
GSM850	128	NV	40	14.69	0.017823	±2.5	PASS
GSM850	128	NV	50	20.02	0.024290	±2.5	PASS
GSM850	190	NV	-30	20.31	0.024277	±2.5	PASS
GSM850	190	NV	-20	17.92	0.021420	±2.5	PASS
GSM850	190	NV	-10	19.44	0.023237	±2.5	PASS
GSM850	190	NV	0	22.31	0.026667	±2.5	PASS
GSM850	190	NV	10	22.21	0.026548	±2.5	PASS
GSM850	190	NV	20	24.73	0.029560	±2.5	PASS
GSM850	190	NV	30	17.53	0.020954	±2.5	PASS
GSM850	190	NV	40	16.08	0.019221	±2.5	PASS
GSM850	190	NV	50	20.05	0.023966	±2.5	PASS
GSM850	251	NV	-30	18.69	0.022019	±2.5	PASS
GSM850	251	NV	-20	18.24	0.021489	±2.5	PASS
GSM850	251	NV	-10	18.85	0.022208	±2.5	PASS
GSM850	251	NV	0	17.18	0.020240	±2.5	PASS
GSM850	251	NV	10	14.92	0.017578	±2.5	PASS
GSM850	251	NV	20	14.56	0.017154	±2.5	PASS
GSM850	251	NV	30	16.01	0.018862	±2.5	PASS
GSM850	251	NV	40	14.72	0.017342	±2.5	PASS



GSM850	251	NV	50	13.75	0.016199	±2.5	PASS
EGPRS850	128	NV	-30	31.35	0.038037	±2.5	PASS
EGPRS850	128	NV	-20	32.61	0.039566	±2.5	PASS
EGPRS850	128	NV	-10	29.93	0.036314	±2.5	PASS
EGPRS850	128	NV	0	32.41	0.039323	±2.5	PASS
EGPRS850	128	NV	10	31.61	0.038352	±2.5	PASS
EGPRS850	128	NV	20	32.12	0.038971	±2.5	PASS
EGPRS850	128	NV	30	27.67	0.033572	±2.5	PASS
EGPRS850	128	NV	40	31.70	0.038462	±2.5	PASS
EGPRS850	128	NV	50	30.32	0.036787	±2.5	PASS
EGPRS850	190	NV	-30	34.80	0.041597	±2.5	PASS
EGPRS850	190	NV	-20	35.48	0.042410	±2.5	PASS
EGPRS850	190	NV	-10	35.55	0.042493	±2.5	PASS
EGPRS850	190	NV	0	34.38	0.041095	±2.5	PASS
EGPRS850	190	NV	10	36.32	0.043414	±2.5	PASS
EGPRS850	190	NV	20	34.35	0.041059	±2.5	PASS
EGPRS850	190	NV	30	32.71	0.039099	±2.5	PASS
EGPRS850	190	NV	40	33.06	0.039517	±2.5	PASS
EGPRS850	190	NV	50	39.10	0.046737	±2.5	PASS
EGPRS850	251	NV	-30	33.19	0.039102	±2.5	PASS
EGPRS850	251	NV	-20	29.38	0.034614	±2.5	PASS
EGPRS850	251	NV	-10	32.35	0.038113	±2.5	PASS
EGPRS850	251	NV	0	31.48	0.037088	±2.5	PASS
EGPRS850	251	NV	10	33.22	0.039138	±2.5	PASS
EGPRS850	251	NV	20	31.58	0.037205	±2.5	PASS
EGPRS850	251	NV	30	30.22	0.035603	±2.5	PASS
EGPRS850	251	NV	40	33.35	0.039291	±2.5	PASS
EGPRS850	251	NV	50	32.19	0.037924	±2.5	PASS
GSM1900	512	NV	-30	28.83	0.015582	±2.5	PASS
GSM1900	512	NV	-20	39.84	0.021533	±2.5	PASS
GSM1900	512	NV	-10	35.77	0.019333	±2.5	PASS
GSM1900	512	NV	0	42.65	0.023052	±2.5	PASS
GSM1900	512	NV	10	35.32	0.019090	±2.5	PASS
GSM1900	512	NV	20	33.84	0.018290	±2.5	PASS
GSM1900	512	NV	30	36.94	0.019965	±2.5	PASS
GSM1900	512	NV	40	34.09	0.018425	±2.5	PASS
GSM1900	512	NV	50	40.13	0.021690	±2.5	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic formal documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

GSM1900	661	NV	-30	26.54	0.014117	±2.5	PASS
GSM1900	661	NV	-20	25.96	0.013809	±2.5	PASS
GSM1900	661	NV	-10	25.28	0.013447	±2.5	PASS
GSM1900	661	NV	0	22.15	0.011782	±2.5	PASS
GSM1900	661	NV	10	30.41	0.016176	±2.5	PASS
GSM1900	661	NV	20	24.31	0.012931	±2.5	PASS
GSM1900	661	NV	30	23.76	0.012638	±2.5	PASS
GSM1900	661	NV	40	23.96	0.012745	±2.5	PASS
GSM1900	661	NV	50	23.02	0.012245	±2.5	PASS
GSM1900	810	NV	-30	7.97	0.004173	±2.5	PASS
GSM1900	810	NV	-20	12.14	0.006357	±2.5	PASS
GSM1900	810	NV	-10	10.62	0.005561	±2.5	PASS
GSM1900	810	NV	0	9.04	0.004733	±2.5	PASS
GSM1900	810	NV	10	8.07	0.004226	±2.5	PASS
GSM1900	810	NV	20	12.33	0.006456	±2.5	PASS
GSM1900	810	NV	30	5.94	0.003110	±2.5	PASS
GSM1900	810	NV	40	6.84	0.003582	±2.5	PASS
GSM1900	810	NV	50	10.69	0.005597	±2.5	PASS
EGPRS1900	512	NV	-30	58.37	0.031548	±2.5	PASS
EGPRS1900	512	NV	-20	51.01	0.027570	±2.5	PASS
EGPRS1900	512	NV	-10	52.27	0.028251	±2.5	PASS
EGPRS1900	512	NV	0	51.98	0.028094	±2.5	PASS
EGPRS1900	512	NV	10	51.82	0.028008	±2.5	PASS
EGPRS1900	512	NV	20	55.37	0.029926	±2.5	PASS
EGPRS1900	512	NV	30	54.05	0.029213	±2.5	PASS
EGPRS1900	512	NV	40	52.53	0.028392	±2.5	PASS
EGPRS1900	512	NV	50	53.17	0.028737	±2.5	PASS
EGPRS1900	661	NV	-30	37.10	0.019734	±2.5	PASS
EGPRS1900	661	NV	-20	37.71	0.020059	±2.5	PASS
EGPRS1900	661	NV	-10	35.03	0.018633	±2.5	PASS
EGPRS1900	661	NV	0	36.39	0.019356	±2.5	PASS
EGPRS1900	661	NV	10	34.35	0.018271	±2.5	PASS
EGPRS1900	661	NV	20	40.65	0.021622	±2.5	PASS
EGPRS1900	661	NV	30	36.64	0.019489	±2.5	PASS
EGPRS1900	661	NV	40	37.29	0.019835	±2.5	PASS
EGPRS1900	661	NV	50	40.81	0.021707	±2.5	PASS
EGPRS1900	810	NV	-30	28.86	0.015112	±2.5	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic formal documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



EGPRS1900	810	NV	-20	30.22	0.015824	±2.5	PASS
EGPRS1900	810	NV	-10	30.12	0.015771	±2.5	PASS
EGPRS1900	810	NV	0	27.86	0.014588	±2.5	PASS
EGPRS1900	810	NV	10	24.89	0.013033	±2.5	PASS
EGPRS1900	810	NV	20	28.41	0.014876	±2.5	PASS
EGPRS1900	810	NV	30	28.19	0.014761	±2.5	PASS
EGPRS1900	810	NV	40	29.67	0.015536	±2.5	PASS
EGPRS1900	810	NV	50	27.77	0.014541	±2.5	PASS

The End



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Testing Center EEC Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com