



Appendix B

WCDMA Band II & IV & V



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
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



CONTENT

1. EFFECTIVE (ISOTROPIC) RADIATED POWER	4
1.1. TEST RESULT	4
2. PEAK-TO-AVERAGE RATIO(CCDF)	5
2.1. TEST RESULT	5
2.2. TEST PLOTS.....	5
3. MODULATION CHARACTERISTICS	10
3.1. TEST BAND = WCDMA BAND II.....	10
3.1.1. TEST MODE = UMTS/TM1	10
3.1.1.1. TEST CHANNEL = MCH.....	10
3.2. TEST BAND = WCDMA BAND IV	11
3.2.1. TEST MODE = UMTS/TM1	11
3.2.1.1. TEST CHANNEL = MCH.....	11
3.3. TEST BAND = WCDMA BAND V	12
3.3.1. TEST MODE = UMTS/TM1	12
3.3.1.1. TEST CHANNEL = MCH.....	12
4. 26DB BANDWIDTH AND OCCUPIED BANDWIDTH	13
4.1. TEST RESULT	13
4.2. TEST PLOTS.....	13
5. BAND EDGE COMPLIANCE	18
5.1. TEST PLOTS.....	18
6. SPURIOUS EMISSION AT ANTENNA TERMINAL	21
6.1. TEST PLOTS.....	21
7. FIELD STRENGTH OF SPURIOUS RADIATION	30
7.1. TEST BAND = WCDMA BAND II(UP ANTENNA).....	30
7.1.1. TEST MODE =WCDMA/TM1.....	30
7.1.1.1. TEST CHANNEL = LCH	30
7.1.1.2. TEST CHANNEL = MCH.....	31
7.1.1.3. TEST CHANNEL = HCH	31



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. TEST BAND = WCDMA BAND II(DOWN ANTENNA)..... 32

7.2.1. TEST MODE =WCDMA/TM1..... 32

7.2.1.1. TEST CHANNEL = LCH 32

7.2.1.2. TEST CHANNEL = MCH..... 33

7.2.1.3. TEST CHANNEL = HCH 33

7.3. TEST BAND = WCDMA BAND IV(UP ANTENNA)..... 34

7.3.1. TEST MODE =WCDMA/TM1..... 34

7.3.1.1. TEST CHANNEL = LCH 34

7.3.1.2. TEST CHANNEL = MCH..... 35

7.3.1.3. TEST CHANNEL = HCH 35

7.4. TEST BAND = WCDMA BAND IV(DOWN ANTENNA) 36

7.4.1. TEST MODE =WCDMA/TM1..... 36

7.4.1.1. TEST CHANNEL = LCH 36

7.4.1.2. TEST CHANNEL = MCH..... 37

7.4.1.3. TEST CHANNEL = HCH 37

7.5. TEST BAND = WCDMA BAND V(UP ANTENNA)..... 38

7.5.1. TEST MODE =WCDMA/TM1..... 38

7.5.1.1. TEST CHANNEL = LCH 38

7.5.1.2. TEST CHANNEL = MCH..... 39

7.5.1.3. TEST CHANNEL = HCH 39

7.6. TEST BAND = WCDMA BAND V(DOWN ANTENNA) 40

7.6.1. TEST MODE =WCDMA/TM1..... 40

7.6.1.1. TEST CHANNEL = LCH 40

7.6.1.2. TEST CHANNEL = MCH..... 41

7.6.1.3. TEST CHANNEL = HCH 41

8. FREQUENCY STABILITY 43

8.1. FREQUENCY VS VOLTAGE 43

8.2. FREQUENCY VS TEMPERATURE 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-DocumentL.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

1. Effective (Isotropic) Radiated Power

1.1. Test Result

ANT1:

Band	Channel	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band II	9262	23.83	22.73	33.00	PASS
Band II	9400	23.75	22.65	33.00	PASS
Band II	9538	23.78	22.68	33.00	PASS
Band IV	1312	23.51	23.21	30.00	PASS
Band IV	1413	23.66	23.36	30.00	PASS
Band IV	1513	23.71	23.41	30.00	PASS

Band	Channel	Conducted Power(dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band V	4132	23.45	17.70	38.45	PASS
Band V	4182	23.55	17.80	38.45	PASS
Band V	4233	23.49	17.74	38.45	PASS

ANT4:

Band	Channel	Conducted Power(dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band V	4132	23.27	12.25	38.45	PASS
Band V	4182	23.36	12.34	38.45	PASS
Band V	4233	23.31	12.29	38.45	PASS

ANT5:

Band	Channel	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band II	9262	23.41	14.54	33.00	PASS
Band II	9400	23.38	14.51	33.00	PASS
Band II	9538	23.37	14.5	33.00	PASS
Band IV	1312	23.57	14.70	30.00	PASS
Band IV	1413	23.62	14.75	30.00	PASS
Band IV	1513	23.59	14.72	30.00	PASS

Remark:

a: For getting the EIRP (Efficient Isotropic Radiated Power), the following formula should be taken to calculate it,

$$ERP [dBm] = \text{Conducted Power} [dBm] + \text{Gain} [dBd]$$

$$EIRP [dBm] = \text{Conducted Power} [dBm] + \text{Gain} [dBi]$$



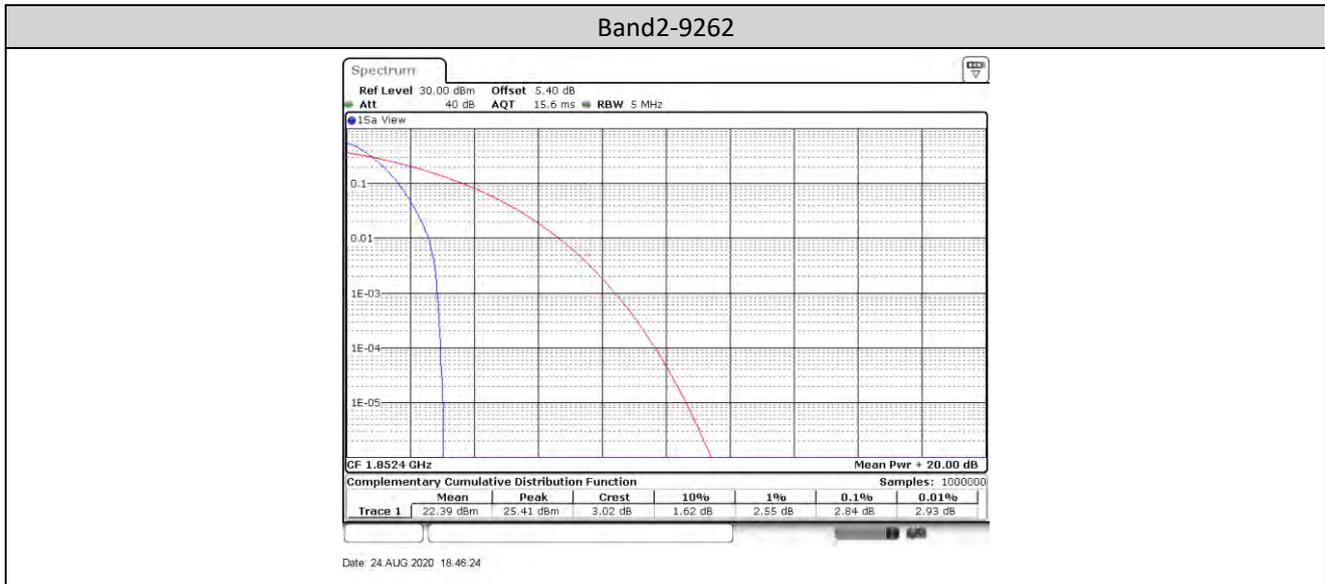
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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

2. Peak-to-Average Ratio(CCDF)

2.1. Test Result

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dBm)	Verdict
Band2	9262	2.84	13	PASS
Band2	9400	2.87	13	PASS
Band2	9538	2.84	13	PASS
Band4	1312	2.58	13	PASS
Band4	1413	2.9	13	PASS
Band4	1513	3.3	13	PASS
Band5	4132	2.99	13	PASS
Band5	4182	2.81	13	PASS
Band5	4233	3.07	13	PASS

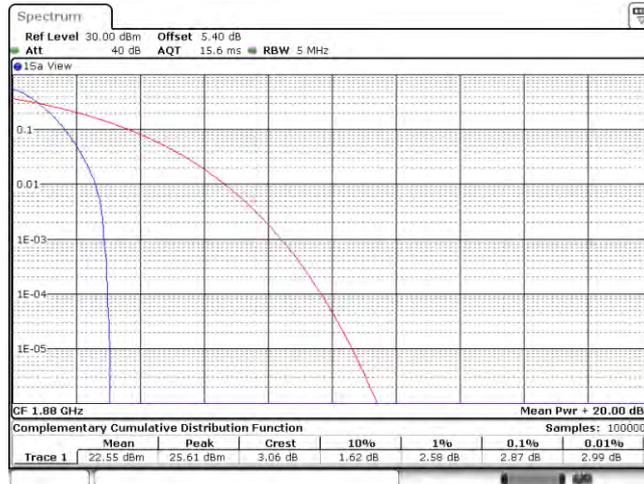
2.2. Test Plots



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-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.

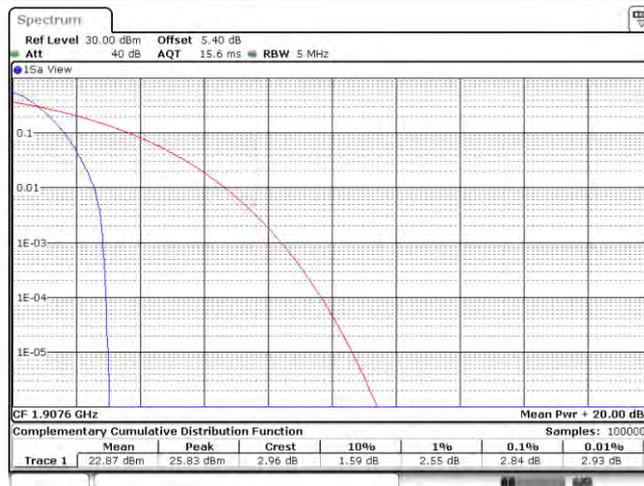
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Band2-9400



Date: 24 AUG 2020 18:46:38

Band2-9538



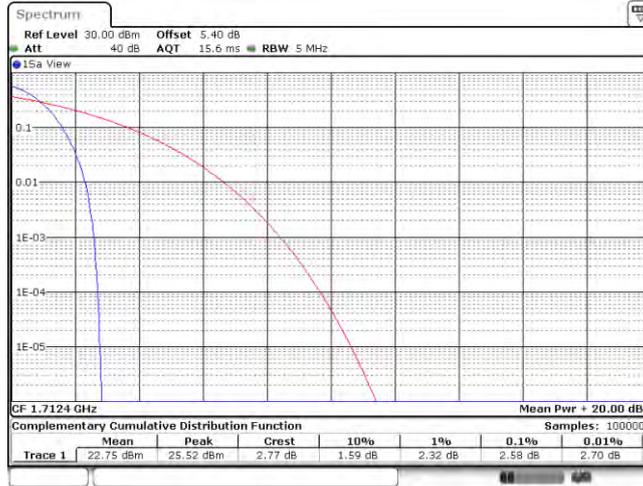
Date: 24 AUG 2020 18:46:51



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.

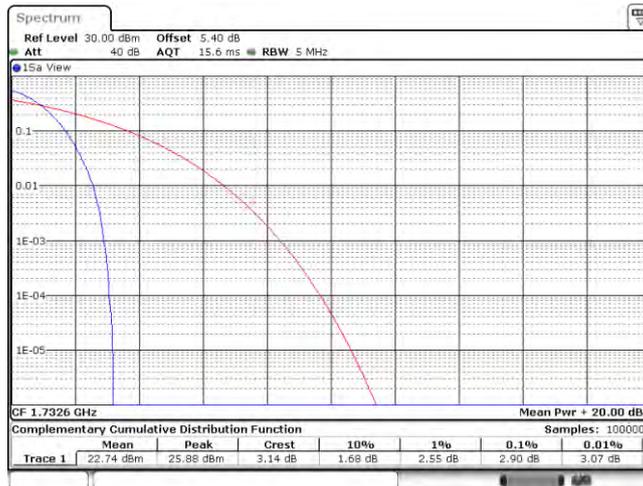
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Band4-1312



Date: 24 AUG 2020 19:41:55

Band4-1413



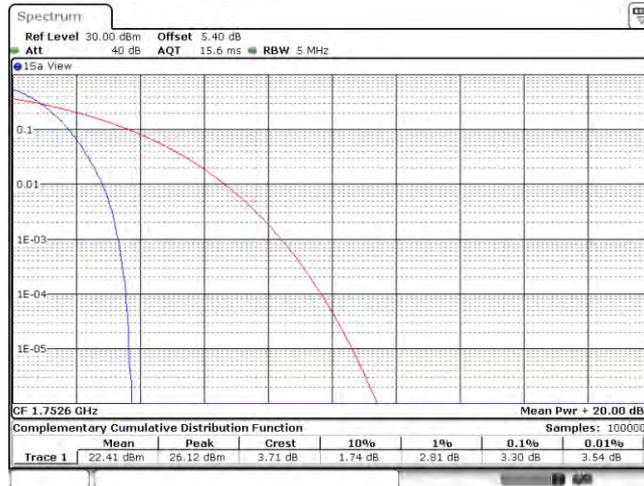
Date: 24 AUG 2020 19:42:08



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.

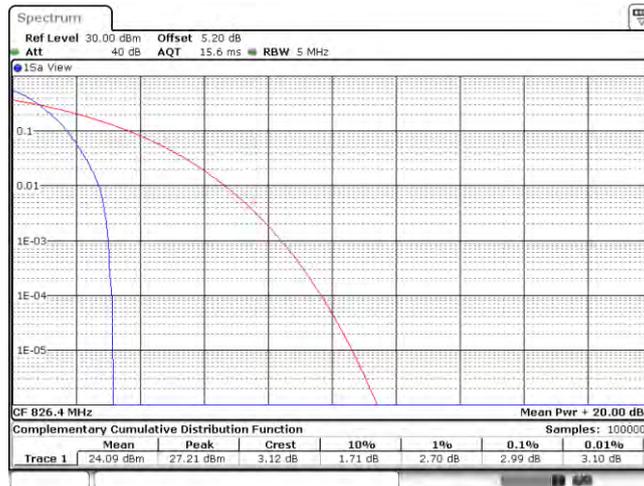
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Band4-1513



Date: 24 AUG 2020 19:42:21

Band5-4132



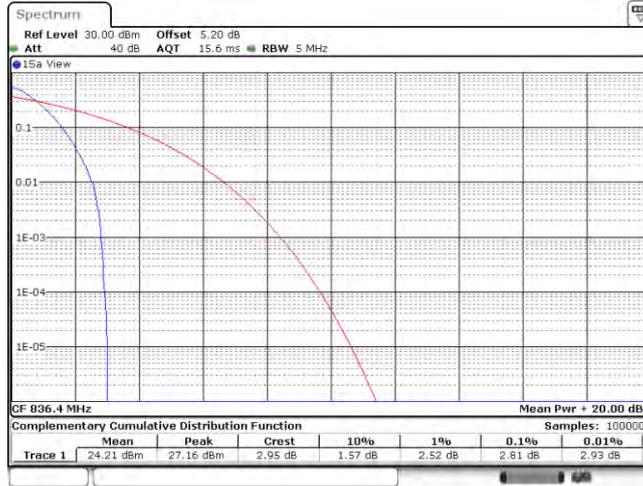
Date: 24 AUG 2020 19:55:01



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.

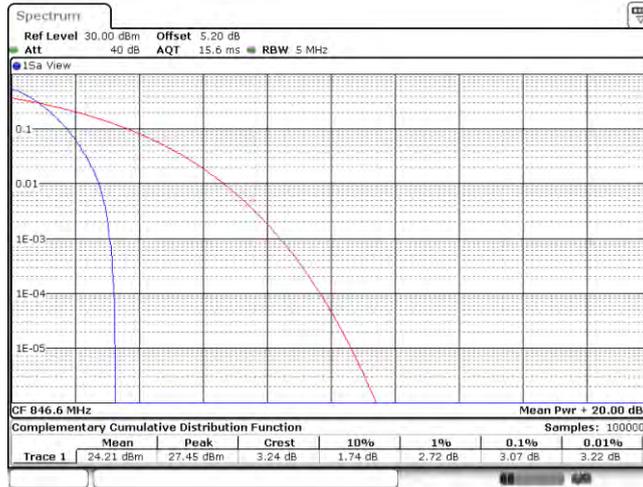
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Band5-4182



Date: 24 AUG 2020 19:55:14

Band5-4233



Date: 24 AUG 2020 19:55:27



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.

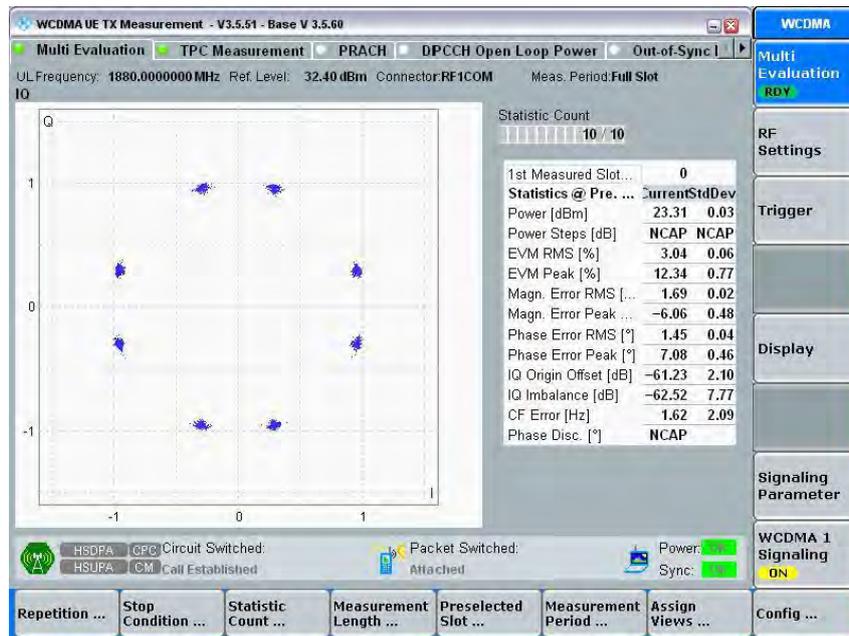
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

3. Modulation Characteristics

3.1. Test Band = WCDMA Band II

3.1.1. Test Mode = UMTS/TM1

3.1.1.1. Test Channel = MCH



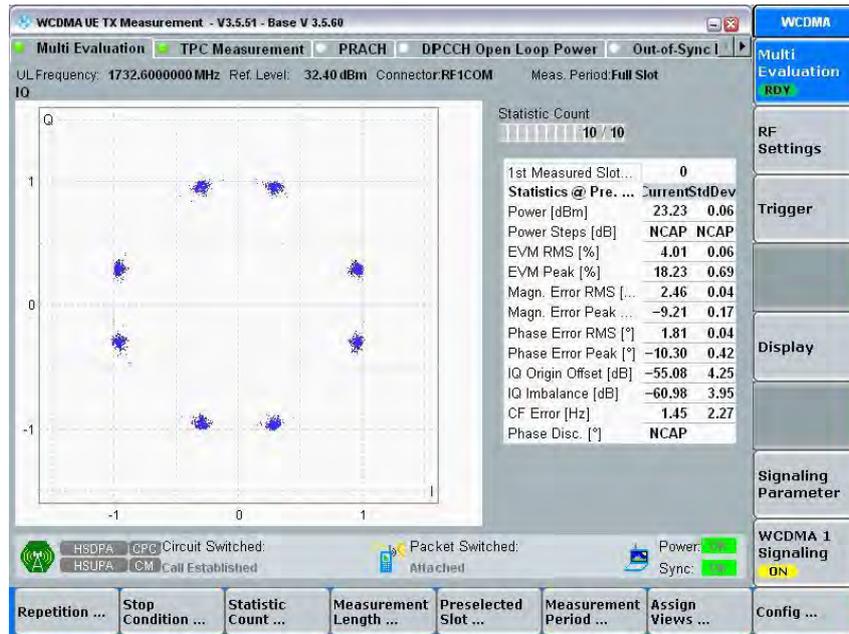
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-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

3.2. Test Band = WCDMA Band IV

3.2.1. Test Mode = UMTS/TM1

3.2.1.1. Test Channel = MCH

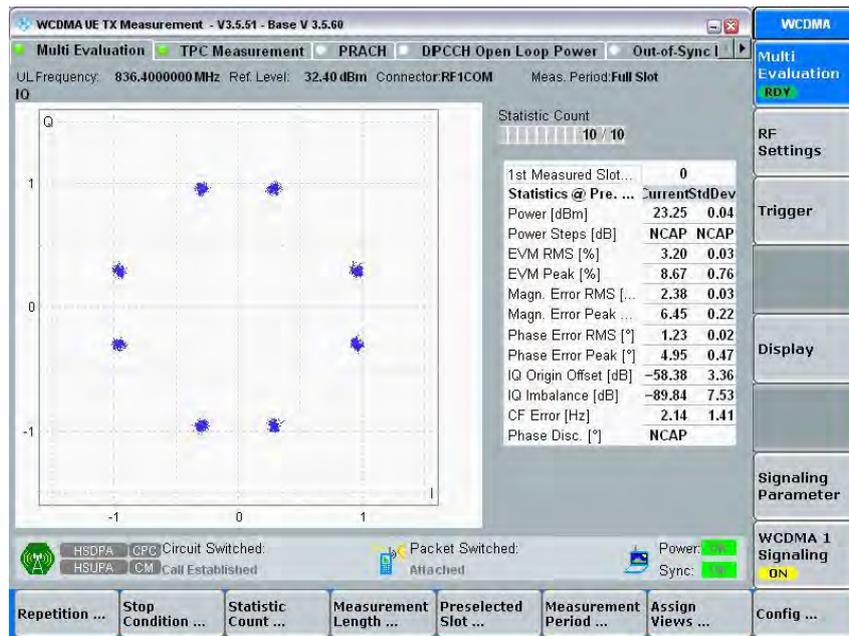


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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.

3.3. Test Band = WCDMA Band V

3.3.1. Test Mode = UMTS/TM1

3.3.1.1. Test Channel = MCH



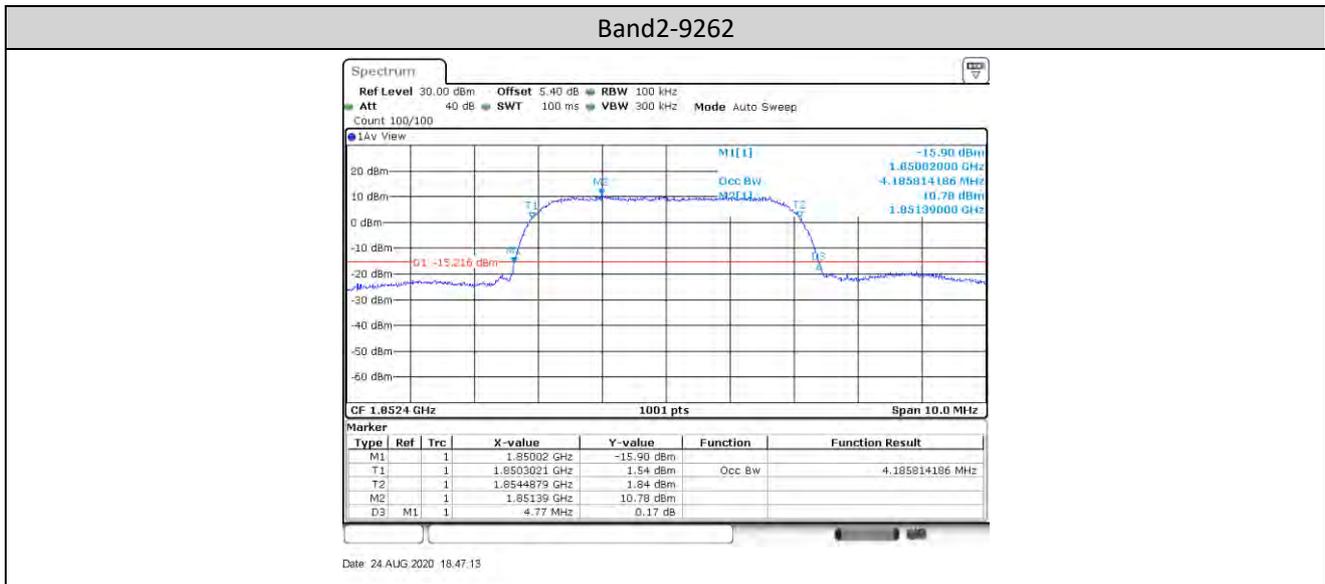
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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.

4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

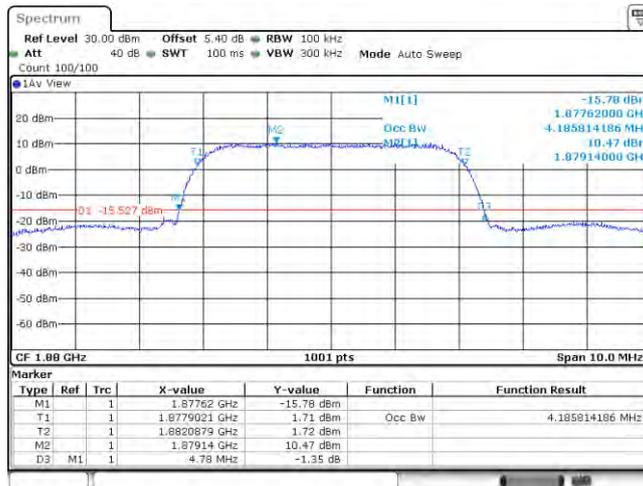
Band	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band2	9262	4.186	4.770	---	PASS
Band2	9400	4.186	4.780	---	PASS
Band2	9538	4.186	4.780	---	PASS
Band4	1312	4.186	4.790	---	PASS
Band4	1413	4.176	4.750	---	PASS
Band4	1513	4.176	4.740	---	PASS
Band5	4132	4.166	4.760	---	PASS
Band5	4182	4.156	4.750	---	PASS
Band5	4233	4.156	4.750	---	PASS

4.2. Test Plots



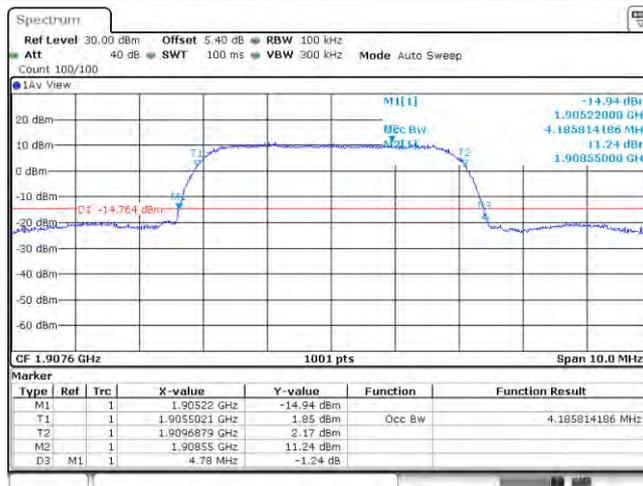
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-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.

Band2-9400



Date: 24 AUG 2020 18:47:35

Band2-9538



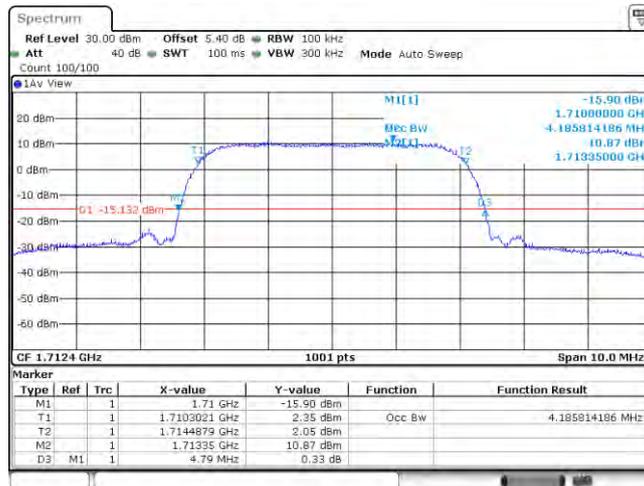
Date: 24 AUG 2020 18:47:57



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.

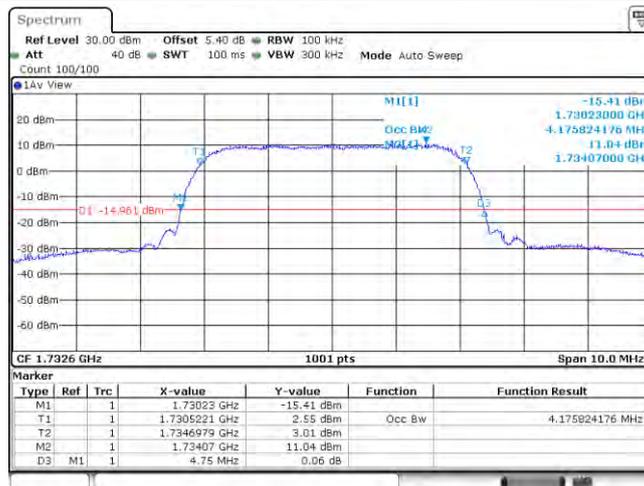
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Band4-1312



Date 24 AUG 2020 19:42:43

Band4-1413



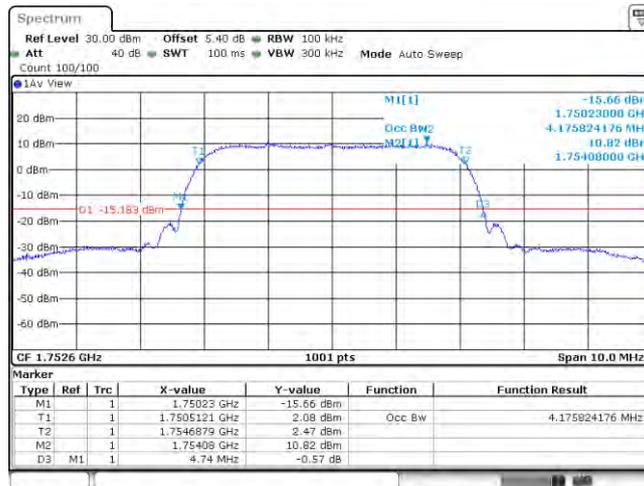
Date 24 AUG 2020 19:43:05



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.

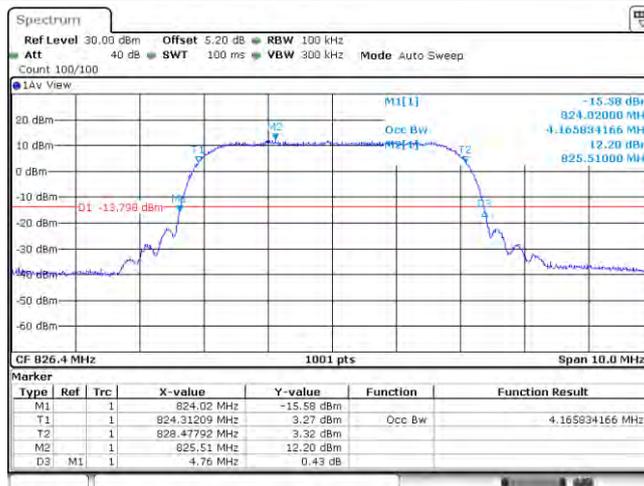
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Band4-1513



Date 24 AUG 2020 19:43:27

Band5-4132



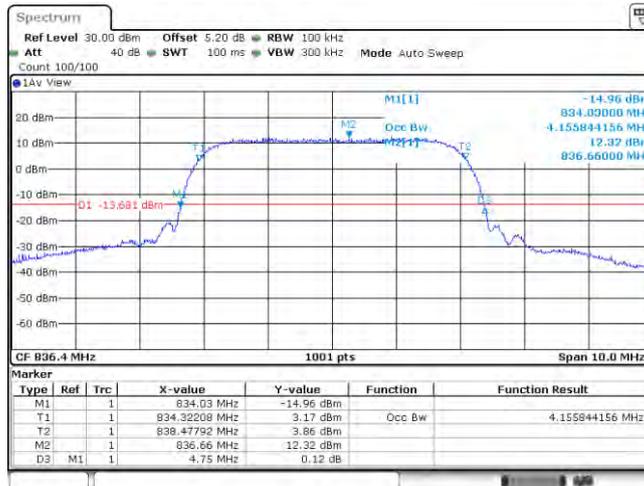
Date 24 AUG 2020 19:55:49



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.

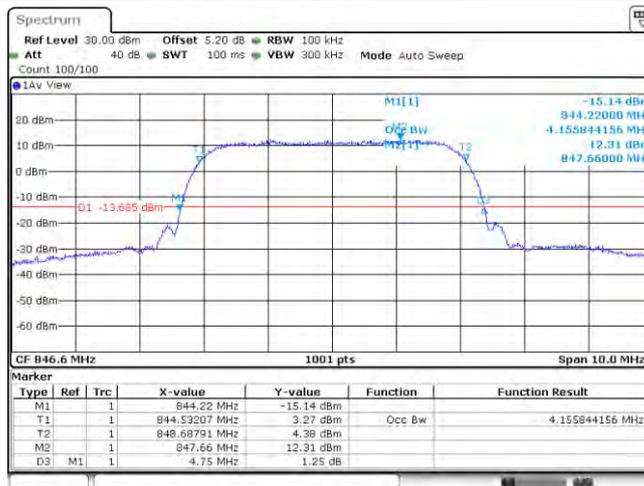
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Band5-4182



Date 24 AUG 2020 19:56:11

Band5-4233



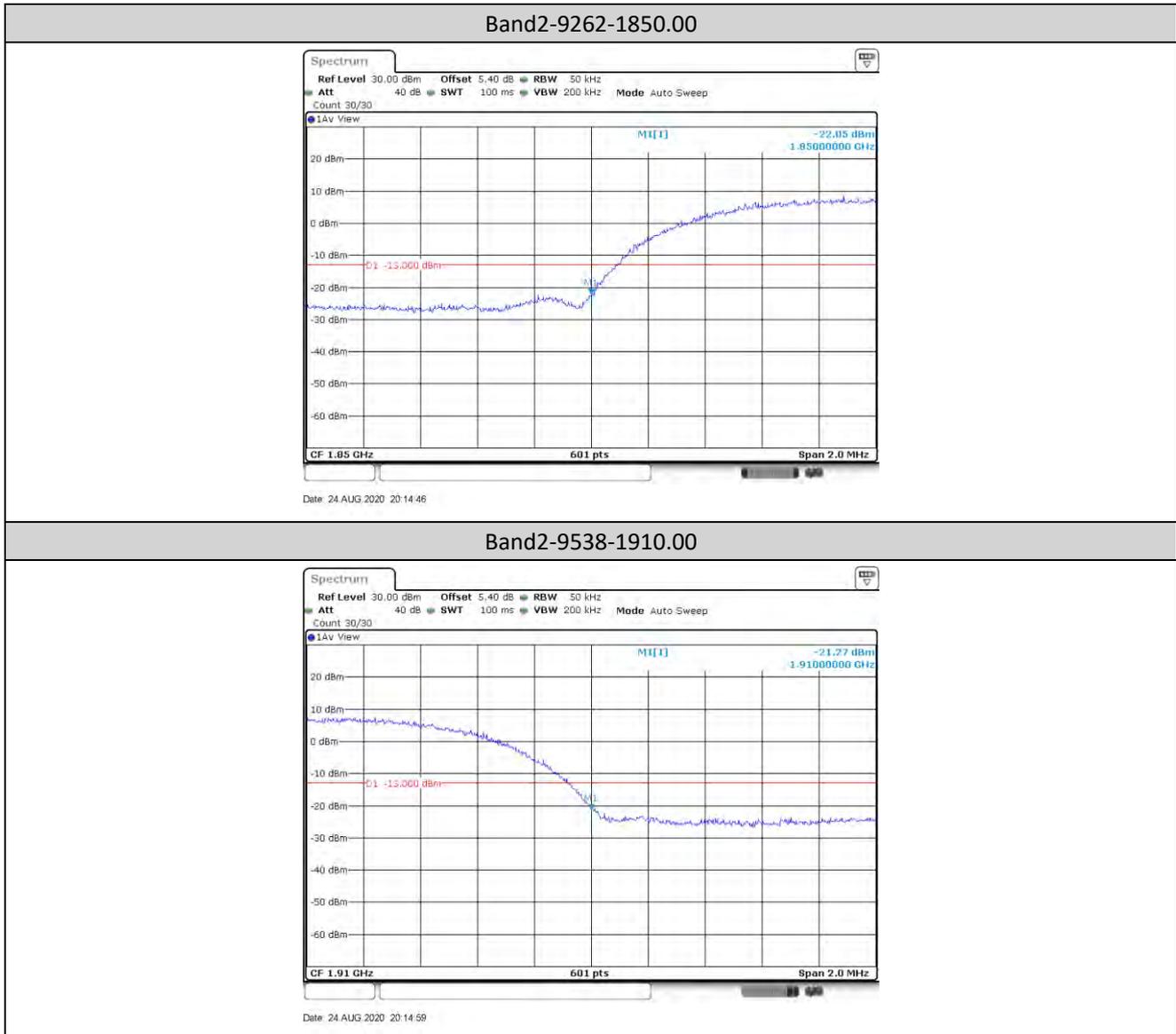
Date 24 AUG 2020 19:56:33



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.

5. Band Edge Compliance

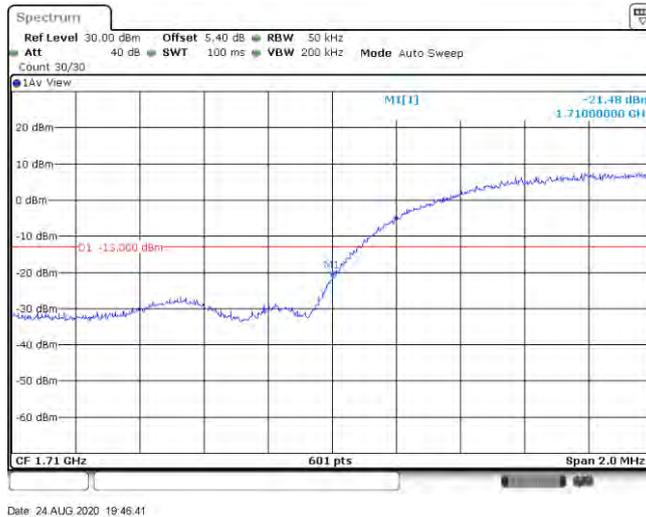
5.1. Test Plots



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-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

Band4-1312-1710.00



Date 24 AUG 2020 19:46:41

Band4-1513-1755.14

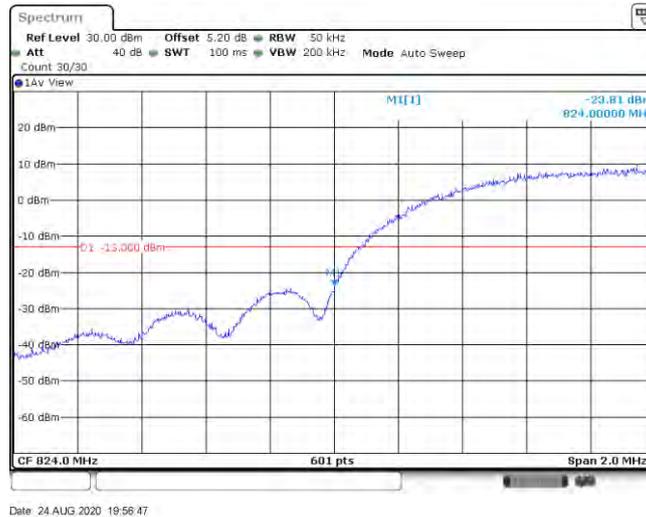


Date 24 AUG 2020 19:46:55

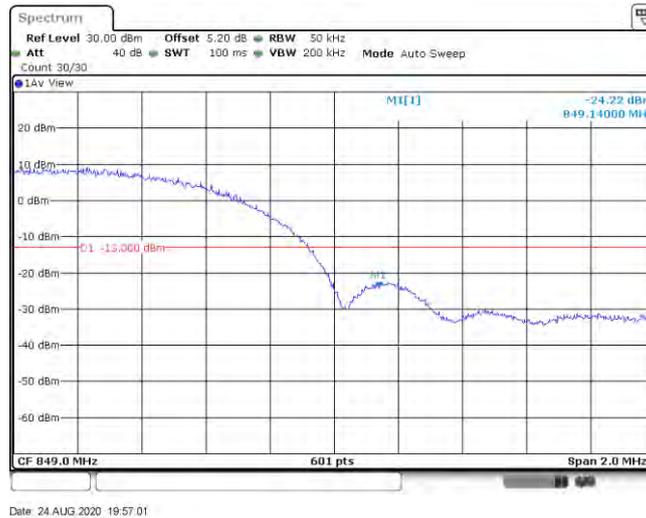


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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.

Band5-4132-824.00



Band5-4233-849.14



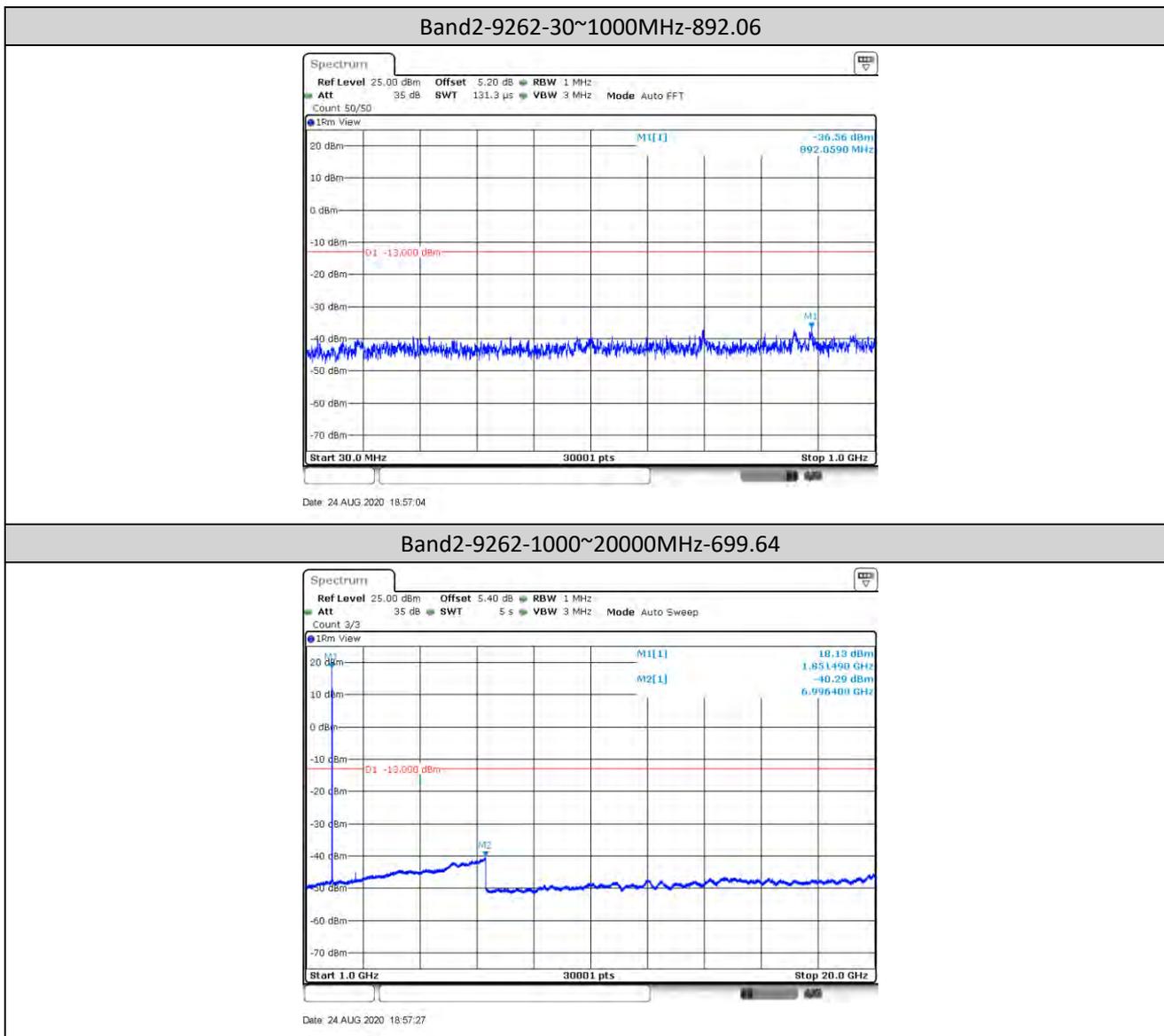
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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.

6. Spurious Emission at Antenna Terminal

Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (Span / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

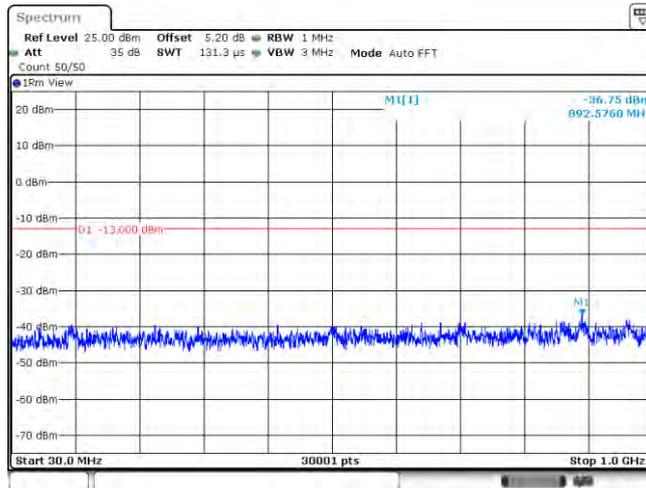
Remark2: only the worst case data displayed in this report.

6.1. Test Plots



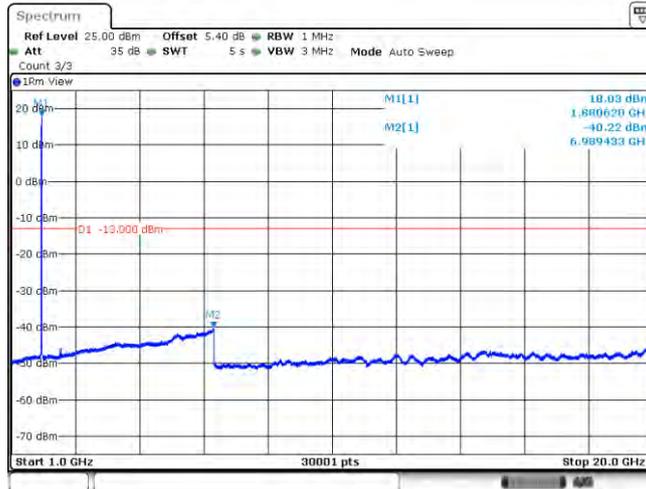
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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.

Band2-9400-30~1000MHz-892.58



Date: 24 AUG 2020 18:57:40

Band2-9400-1000~20000MHz-698.94

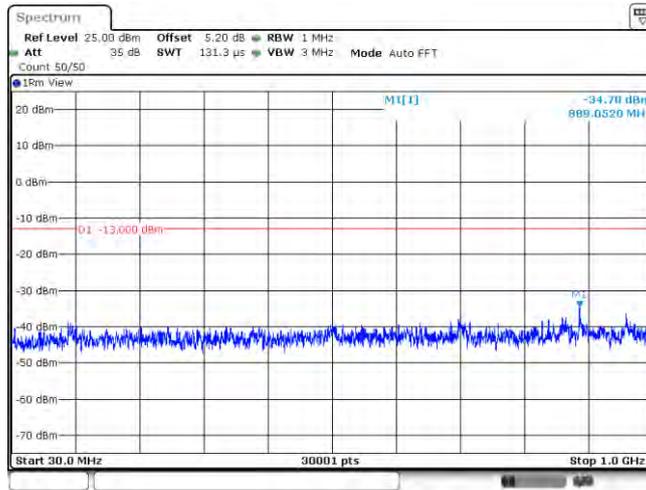


Date: 24 AUG 2020 18:58:03



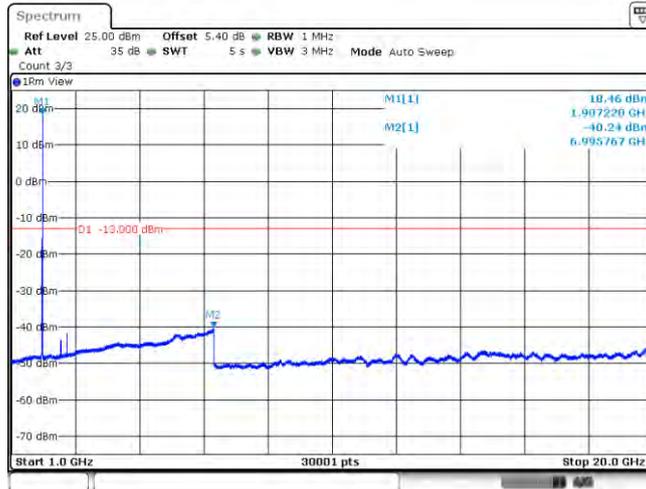
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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.

Band2-9538-30~1000MHz-889.05



Date: 24 AUG 2020 18:58:16

Band2-9538-1000~20000MHz-6995.77

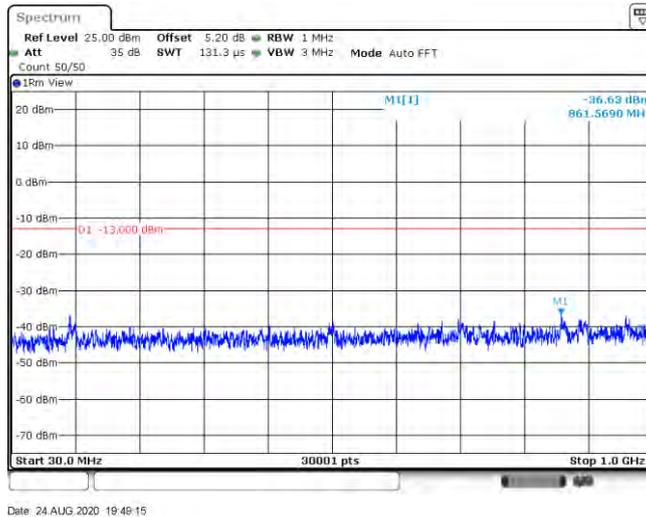


Date: 24 AUG 2020 18:58:39



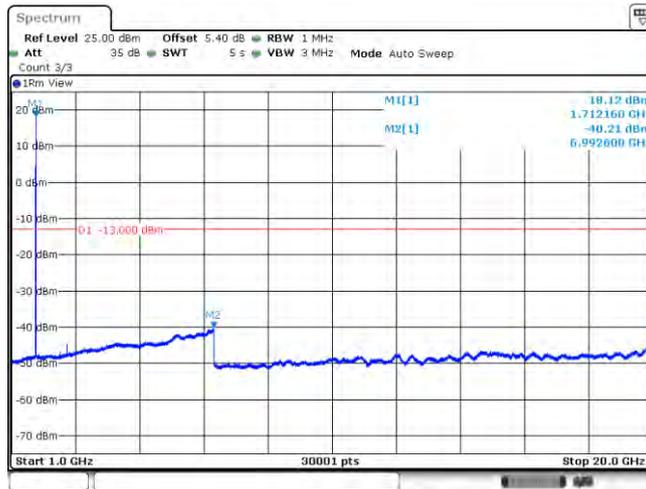
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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.

Band4-1312-30~1000MHz-861.57



Date: 24 AUG 2020 19:49:15

Band4-1312-1000~20000MHz-6992.6

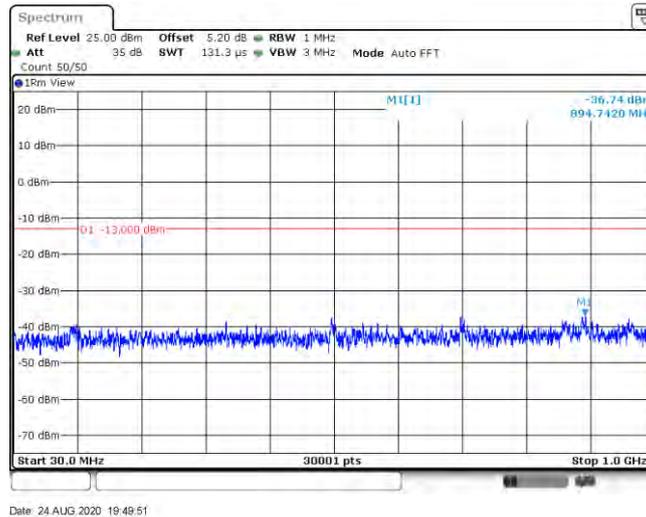


Date: 24 AUG 2020 19:49:38



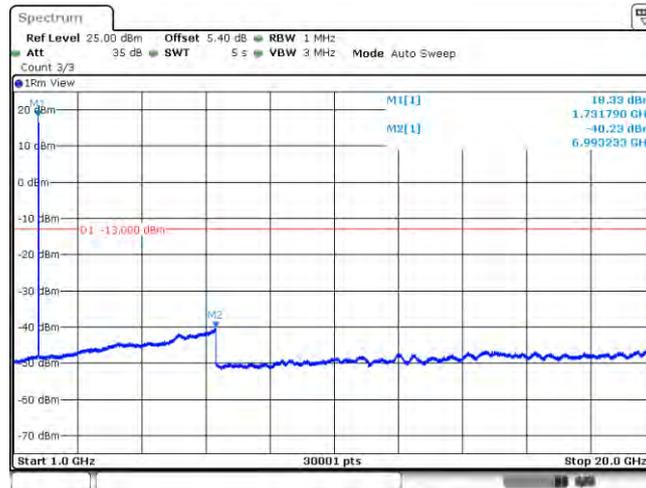
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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.

Band4-1413-1000~20000MHz-6993.23



Date: 24 AUG 2020 19:49:51

Band4-1413-1000~20000MHz-6993.23

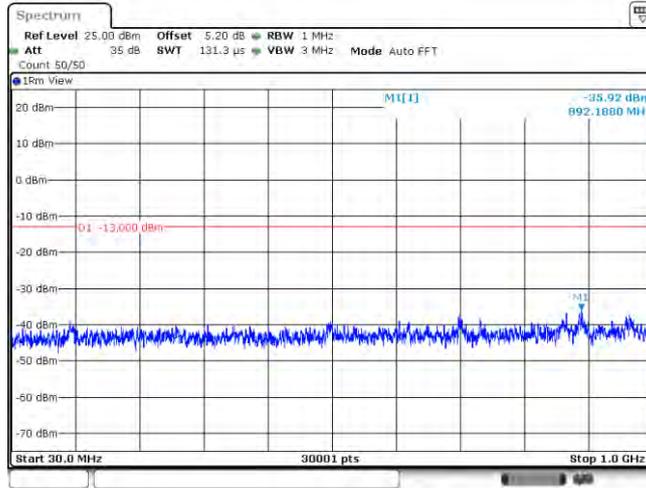


Date: 24 AUG 2020 19:50:14



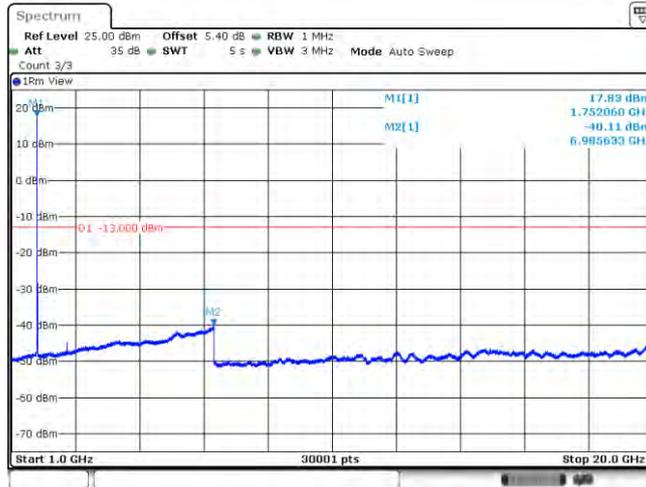
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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.

Band4-1513-30~1000MHz-892.19



Date: 24 AUG 2020 19:50:27

Band4-1513-1000~20000MHz-6985.63

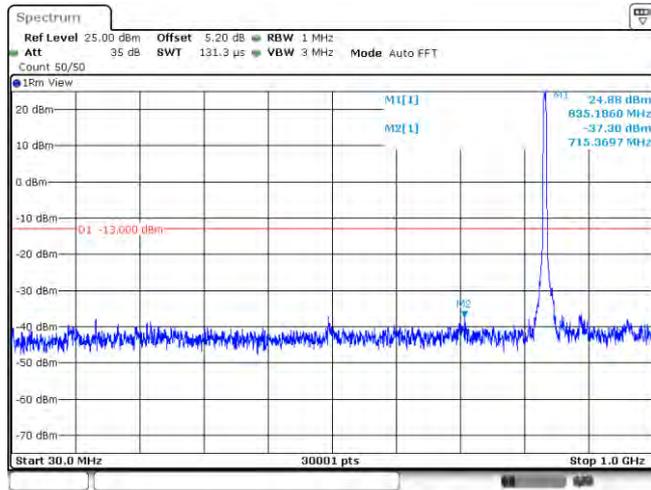


Date: 24 AUG 2020 19:50:50

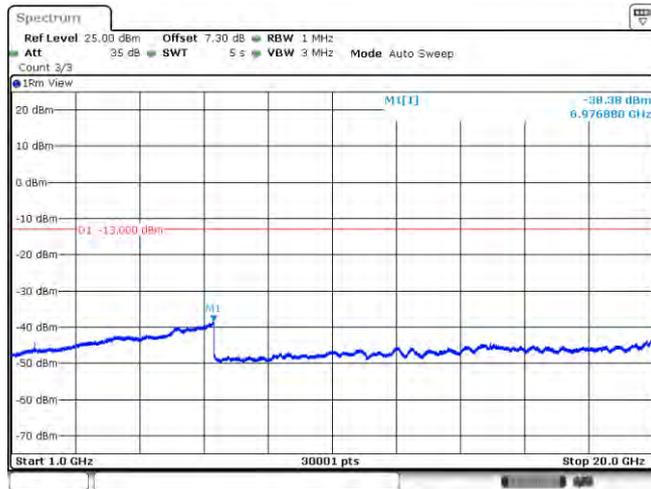


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic 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.

Band5-4182-30~1000MHz-715.37



Band5-4182-1000~20000MHz-6976.88



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.

7. Field Strength of Spurious Radiation

7.1. Test Band = WCDMA Band II(Up Antenna)

7.1.1. Test Mode =WCDMA/TM1

7.1.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
31.0671	-71.59	-13.00	58.59	Vertical
110.3685	-63.51	-13.00	50.51	Vertical
422.2876	-67.35	-13.00	54.35	Vertical
3746.5249	-62.09	-13.00	49.09	Vertical
7436.6479	-55.23	-13.00	42.23	Vertical
17998.5000	-39.51	-13.00	26.51	Vertical
45.6178	-63.69	-13.00	50.69	Horizontal
100.5710	-75.66	-13.00	62.66	Horizontal
245.2053	-67.80	-13.00	54.80	Horizontal
3848.0283	-61.25	-13.00	48.25	Horizontal
7496.6499	-56.03	-13.00	43.03	Horizontal
16392.9464	-43.48	-13.00	30.48	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
 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

7.1.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
31.2611	-70.77	-13.00	57.77	Vertical
110.4170	-64.96	-13.00	51.96	Vertical
417.1464	-67.54	-13.00	54.54	Vertical
3633.0211	-62.13	-13.00	49.13	Vertical
7350.6450	-55.63	-13.00	42.63	Vertical
17997.4999	-39.95	-13.00	26.95	Vertical
40.6705	-63.76	-13.00	50.76	Horizontal
100.9105	-74.91	-13.00	61.91	Horizontal
230.3150	-67.58	-13.00	54.58	Horizontal
5569.0856	-61.18	-13.00	48.18	Horizontal
9331.7111	-52.13	-13.00	39.13	Horizontal
16394.9465	-43.12	-13.00	30.12	Horizontal

7.1.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
31.4066	-71.37	-13.00	58.37	Vertical
111.8236	-65.30	-13.00	52.30	Vertical
337.0204	-67.78	-13.00	54.78	Vertical
5106.5702	-61.76	-13.00	48.76	Vertical
10590.7530	-51.38	-13.00	38.38	Vertical
17997.9999	-40.05	-13.00	27.05	Vertical
41.7376	-64.19	-13.00	51.19	Horizontal
104.3057	-75.92	-13.00	62.92	Horizontal
251.5591	-68.30	-13.00	55.30	Horizontal
5455.5819	-60.97	-13.00	47.97	Horizontal
7458.1486	-55.80	-13.00	42.80	Horizontal
16388.9463	-43.62	-13.00	30.62	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

7.2. Test Band = WCDMA Band II(Down Antenna)

7.2.1. Test Mode =WCDMA/TM1

7.2.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
52.7476	-71.96	-13.00	58.96	Vertical
111.2901	-64.76	-13.00	51.76	Vertical
406.2818	-67.73	-13.00	54.73	Vertical
5066.5689	-61.92	-13.00	48.92	Vertical
7460.1487	-55.48	-13.00	42.48	Vertical
17992.4998	-39.91	-13.00	26.91	Vertical
42.5136	-63.53	-13.00	50.53	Horizontal
81.3641	-75.01	-13.00	62.01	Horizontal
232.4491	-68.16	-13.00	55.16	Horizontal
3595.5199	-60.94	-13.00	47.94	Horizontal
7479.1493	-56.20	-13.00	43.20	Horizontal
16401.4467	-43.78	-13.00	30.78	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.

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

7.2.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
50.2740	-72.35	-13.00	59.35	Vertical
110.7565	-64.59	-13.00	51.59	Vertical
455.8028	-66.05	-13.00	53.05	Vertical
3650.0217	-62.14	-13.00	49.14	Vertical
8010.6670	-55.11	-13.00	42.11	Vertical
17997.9999	-39.86	-13.00	26.86	Vertical
42.4651	-63.73	-13.00	50.73	Horizontal
236.4263	-67.21	-13.00	54.21	Horizontal
553.7777	-65.27	-13.00	52.27	Horizontal
5032.5678	-61.06	-13.00	48.06	Horizontal
7459.6487	-56.09	-13.00	43.09	Horizontal
16400.4467	-43.86	-13.00	30.86	Horizontal

7.2.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
47.9459	-72.39	-13.00	59.39	Vertical
110.4655	-65.01	-13.00	52.01	Vertical
353.0262	-68.29	-13.00	55.29	Vertical
5597.0866	-61.48	-13.00	48.48	Vertical
7968.1656	-55.63	-13.00	42.63	Vertical
14460.3820	-47.44	-13.00	34.44	Vertical
42.8531	-64.11	-13.00	51.11	Horizontal
228.7144	-67.90	-13.00	54.90	Horizontal
581.8121	-63.81	-13.00	50.81	Horizontal
5074.5692	-61.29	-13.00	48.29	Horizontal
8021.6674	-55.98	-13.00	42.98	Horizontal
16389.9463	-43.83	-13.00	30.83	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

7.3. Test Band = WCDMA Band IV(Up Antenna)

7.3.1. Test Mode =WCDMA/TM1

7.3.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
31.3096	-70.54	-13.00	57.54	Vertical
111.6781	-62.59	-13.00	49.59	Vertical
287.0629	-66.84	-13.00	53.84	Vertical
3426.0142	-60.01	-13.00	47.01	Vertical
7487.6496	-53.21	-13.00	40.21	Vertical
17996.9999	-33.89	-13.00	20.89	Vertical
43.9202	-62.62	-13.00	49.62	Horizontal
102.7536	-72.57	-13.00	59.57	Horizontal
248.9399	-64.30	-13.00	51.30	Horizontal
3426.0142	-57.28	-13.00	44.28	Horizontal
7465.1488	-53.62	-13.00	40.62	Horizontal
16377.4459	-35.54	-13.00	22.54	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.

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

7.3.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
31.6006	-70.85	-13.00	57.85	Vertical
110.7565	-62.79	-13.00	49.79	Vertical
381.6426	-66.02	-13.00	53.02	Vertical
5129.5710	-59.17	-13.00	46.17	Vertical
7427.1476	-53.10	-13.00	40.10	Vertical
17999.0000	-34.05	-13.00	21.05	Vertical
44.5507	-61.96	-13.00	48.96	Horizontal
100.4255	-72.69	-13.00	59.69	Horizontal
232.0611	-64.41	-13.00	51.41	Horizontal
3467.0156	-56.56	-13.00	43.56	Horizontal
7469.1490	-53.30	-13.00	40.30	Horizontal
16400.9467	-34.27	-13.00	21.27	Horizontal

7.3.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
30.4850	-70.93	-13.00	57.93	Vertical
110.2715	-62.72	-13.00	49.72	Vertical
382.0791	-65.46	-13.00	52.46	Vertical
3503.0168	-60.44	-13.00	47.44	Vertical
7505.1502	-52.90	-13.00	39.90	Vertical
17993.4998	-33.71	-13.00	20.71	Vertical
40.5250	-62.59	-13.00	49.59	Horizontal
103.6752	-72.97	-13.00	59.97	Horizontal
230.9941	-65.46	-13.00	52.46	Horizontal
3506.5169	-58.08	-13.00	45.08	Horizontal
8010.6670	-53.19	-13.00	40.19	Horizontal
16395.9465	-35.55	-13.00	22.55	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.

7.4. Test Band = WCDMA Band IV(Down Antenna)

7.4.1. Test Mode =WCDMA/TM1

7.4.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
44.0657	-73.44	-13.00	60.44	Vertical
109.6895	-62.93	-13.00	49.93	Vertical
311.5566	-66.32	-13.00	53.32	Vertical
5125.0708	-59.36	-13.00	46.36	Vertical
9718.7240	-49.05	-13.00	36.05	Vertical
17997.9999	-33.50	-13.00	20.50	Vertical
40.6220	-62.59	-13.00	49.59	Horizontal
230.0725	-65.00	-13.00	52.00	Horizontal
539.9545	-62.70	-13.00	49.70	Horizontal
3601.0200	-59.77	-13.00	46.77	Horizontal
7472.1491	-53.50	-13.00	40.50	Horizontal
16396.9466	-35.11	-13.00	22.11	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.

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

7.4.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
47.8489	-70.69	-13.00	57.69	Vertical
109.8350	-62.64	-13.00	49.64	Vertical
380.3815	-65.72	-13.00	52.72	Vertical
5019.0673	-60.40	-13.00	47.40	Vertical
7265.6422	-53.78	-13.00	40.78	Vertical
17991.9997	-33.89	-13.00	20.89	Vertical
42.3681	-62.12	-13.00	49.12	Horizontal
101.2986	-73.89	-13.00	60.89	Horizontal
231.2851	-64.05	-13.00	51.05	Horizontal
3577.0192	-59.77	-13.00	46.77	Horizontal
7450.1483	-53.07	-13.00	40.07	Horizontal
16403.9468	-35.17	-13.00	22.17	Horizontal

7.4.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
44.3082	-72.43	-13.00	59.43	Vertical
109.8350	-63.22	-13.00	50.22	Vertical
294.8232	-67.13	-13.00	54.13	Vertical
3658.5220	-60.56	-13.00	47.56	Vertical
7477.6493	-53.06	-13.00	40.06	Vertical
17993.4998	-33.52	-13.00	20.52	Vertical
43.0957	-62.57	-13.00	49.57	Horizontal
105.4698	-73.04	-13.00	60.04	Horizontal
233.4677	-65.80	-13.00	52.80	Horizontal
3528.0176	-59.64	-13.00	46.64	Horizontal
8018.6673	-53.53	-13.00	40.53	Horizontal
16401.9467	-35.44	-13.00	22.44	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

7.5. Test Band = WCDMA Band V(Up Antenna)

7.5.1. Test Mode =WCDMA/TM1

7.5.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
31.0186	-71.75	-13.00	58.75	Vertical
120.6995	-65.01	-13.00	52.01	Vertical
367.2859	-68.72	-13.00	55.72	Vertical
1651.3303	-50.01	-13.00	37.01	Vertical
2473.0946	-51.26	-13.00	38.26	Vertical
7446.0815	-55.59	-13.00	42.59	Vertical
40.6220	-64.02	-13.00	51.02	Horizontal
100.7650	-75.71	-13.00	62.71	Horizontal
240.9370	-68.02	-13.00	55.02	Horizontal
1650.9302	-47.35	-13.00	34.35	Horizontal
2472.6945	-46.97	-13.00	33.97	Horizontal
7469.6490	-55.85	-13.00	42.85	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.

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

7.5.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
31.3581	-71.56	-13.00	58.56	Vertical
111.8721	-64.79	-13.00	51.79	Vertical
284.9772	-69.56	-13.00	56.56	Vertical
1674.5349	-47.41	-13.00	34.41	Vertical
2667.9336	-51.83	-13.00	38.83	Vertical
7376.3125	-55.33	-13.00	42.33	Vertical
43.5807	-64.17	-13.00	51.17	Horizontal
101.3471	-73.42	-13.00	60.42	Horizontal
242.2951	-67.27	-13.00	54.27	Horizontal
1674.1348	-45.29	-13.00	32.29	Horizontal
2691.1382	-50.80	-13.00	37.80	Horizontal
7489.4830	-55.62	-13.00	42.62	Horizontal

7.5.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
31.1641	-71.05	-13.00	58.05	Vertical
120.6510	-64.66	-13.00	51.66	Vertical
316.8918	-69.13	-13.00	56.13	Vertical
1694.5389	-47.54	-13.00	34.54	Vertical
2619.1238	-51.96	-13.00	38.96	Vertical
7333.1444	-55.56	-13.00	42.56	Vertical
40.6705	-64.34	-13.00	51.34	Horizontal
109.0105	-75.17	-13.00	62.17	Horizontal
240.5490	-68.48	-13.00	55.48	Horizontal
1694.9390	-45.28	-13.00	32.28	Horizontal
2702.7405	-50.76	-13.00	37.76	Horizontal
7372.3457	-55.57	-13.00	42.57	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

7.6. Test Band = WCDMA Band V(Down Antenna)

7.6.1. Test Mode =WCDMA/TM1

7.6.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
31.1641	-72.51	-13.00	59.51	Vertical
113.2302	-64.00	-13.00	51.00	Vertical
332.6066	-69.25	-13.00	56.25	Vertical
1700.1400	-60.10	-13.00	47.10	Vertical
2696.7393	-51.97	-13.00	38.97	Vertical
8019.4006	-55.41	-13.00	42.41	Vertical
44.9872	-63.46	-13.00	50.46	Horizontal
86.3598	-75.39	-13.00	62.39	Horizontal
229.1995	-67.63	-13.00	54.63	Horizontal
1574.1148	-61.83	-13.00	48.83	Horizontal
2699.9400	-50.82	-13.00	37.82	Horizontal
7478.2826	-55.38	-13.00	42.38	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
 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

7.6.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
31.0186	-71.80	-13.00	58.80	Vertical
108.6709	-63.51	-13.00	50.51	Vertical
309.6650	-69.38	-13.00	56.38	Vertical
1523.7047	-62.14	-13.00	49.14	Vertical
2595.5191	-52.49	-13.00	39.49	Vertical
7481.5494	-55.26	-13.00	42.26	Vertical
45.1328	-64.25	-13.00	51.25	Horizontal
102.0746	-74.45	-13.00	61.45	Horizontal
247.2424	-68.47	-13.00	55.47	Horizontal
1738.1476	-61.01	-13.00	48.01	Horizontal
2703.9408	-50.65	-13.00	37.65	Horizontal
7485.0495	-55.79	-13.00	42.79	Horizontal

7.6.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
31.0186	-71.98	-13.00	58.98	Vertical
115.5583	-65.01	-13.00	52.01	Vertical
300.1100	-67.57	-13.00	54.57	Vertical
1524.1048	-62.29	-13.00	49.29	Vertical
2469.8940	-53.03	-13.00	40.03	Vertical
7363.2454	-55.56	-13.00	42.56	Vertical
43.9687	-64.07	-13.00	51.07	Horizontal
80.8305	-74.90	-13.00	61.90	Horizontal
239.9670	-67.46	-13.00	54.46	Horizontal
1735.3471	-61.28	-13.00	48.28	Horizontal
2699.5399	-50.63	-13.00	37.63	Horizontal
7496.0165	-55.85	-13.00	42.85	Horizontal

Remark:



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



- 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.



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



8. Frequency Stability

8.1. Frequency Vs Voltage

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9262	VL	NT	6.17	0.003331	±2.5	PASS
Band2	9262	VN	NT	5.34	0.002883	±2.5	PASS
Band2	9262	VH	NT	5.54	0.002991	±2.5	PASS
Band2	9400	VL	NT	1.59	0.000846	±2.5	PASS
Band2	9400	VN	NT	1.67	0.000888	±2.5	PASS
Band2	9400	VH	NT	1.71	0.000910	±2.5	PASS
Band2	9538	VL	NT	-2.77	-0.001452	±2.5	PASS
Band2	9538	VN	NT	-2.47	-0.001295	±2.5	PASS
Band2	9538	VH	NT	-2.52	-0.001321	±2.5	PASS
Band4	1312	VL	NT	12.40	0.007241	±2.5	PASS
Band4	1312	VN	NT	12.32	0.007195	±2.5	PASS
Band4	1312	VH	NT	12.82	0.007487	±2.5	PASS
Band4	1413	VL	NT	-3.23	-0.001864	±2.5	PASS
Band4	1413	VN	NT	-3.30	-0.001905	±2.5	PASS
Band4	1413	VH	NT	-3.33	-0.001922	±2.5	PASS
Band4	1513	VL	NT	-13.52	-0.007714	±2.5	PASS
Band4	1513	VN	NT	-13.58	-0.007748	±2.5	PASS
Band4	1513	VH	NT	-13.72	-0.007828	±2.5	PASS
Band5	4132	VL	NT	1.71	0.002069	±2.5	PASS
Band5	4132	VN	NT	1.88	0.002275	±2.5	PASS
Band5	4132	VH	NT	1.72	0.002081	±2.5	PASS
Band5	4182	VL	NT	-0.21	-0.000251	±2.5	PASS
Band5	4182	VN	NT	-0.40	-0.000478	±2.5	PASS
Band5	4182	VH	NT	-0.33	-0.000395	±2.5	PASS
Band5	4233	VL	NT	-1.76	-0.002079	±2.5	PASS
Band5	4233	VN	NT	-1.84	-0.002173	±2.5	PASS
Band5	4233	VH	NT	-1.67	-0.001973	±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 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



8.2. Frequency Vs Temperature

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9262	NV	-30	5.89	0.003180	±2.5	PASS
Band2	9262	NV	-20	5.85	0.003158	±2.5	PASS
Band2	9262	NV	-10	5.57	0.003007	±2.5	PASS
Band2	9262	NV	0	5.77	0.003115	±2.5	PASS
Band2	9262	NV	10	5.76	0.003109	±2.5	PASS
Band2	9262	NV	20	5.45	0.002942	±2.5	PASS
Band2	9262	NV	30	-3.32	-0.001916	±2.5	PASS
Band2	9262	NV	40	-13.72	-0.007828	±2.5	PASS
Band2	9262	NV	50	-13.86	-0.007908	±2.5	PASS
Band2	9400	NV	-30	1.75	0.000931	±2.5	PASS
Band2	9400	NV	-20	1.54	0.000819	±2.5	PASS
Band2	9400	NV	-10	1.40	0.000745	±2.5	PASS
Band2	9400	NV	0	1.65	0.000878	±2.5	PASS
Band2	9400	NV	10	1.73	0.000920	±2.5	PASS
Band2	9400	NV	20	1.49	0.000793	±2.5	PASS
Band2	9400	NV	30	-0.23	-0.000275	±2.5	PASS
Band2	9400	NV	40	-0.25	-0.000299	±2.5	PASS
Band2	9400	NV	50	-0.29	-0.000347	±2.5	PASS
Band2	9538	NV	-30	-2.58	-0.001352	±2.5	PASS
Band2	9538	NV	-20	-2.76	-0.001447	±2.5	PASS
Band2	9538	NV	-10	-2.50	-0.001311	±2.5	PASS
Band2	9538	NV	0	-2.58	-0.001352	±2.5	PASS
Band2	9538	NV	10	-2.82	-0.001478	±2.5	PASS
Band2	9538	NV	20	-2.58	-0.001352	±2.5	PASS
Band2	9538	NV	30	1.60	0.001936	±2.5	PASS
Band2	9538	NV	40	1.54	0.001864	±2.5	PASS
Band2	9538	NV	50	1.57	0.001900	±2.5	PASS
Band4	1312	NV	-30	13.00	0.007592	±2.5	PASS
Band4	1312	NV	-20	13.38	0.007814	±2.5	PASS
Band4	1312	NV	-10	13.55	0.007913	±2.5	PASS
Band4	1312	NV	0	13.56	0.007919	±2.5	PASS
Band4	1312	NV	10	13.88	0.008106	±2.5	PASS
Band4	1312	NV	20	14.14	0.008257	±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 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



Band4	1312	NV	30	14.17	0.008275	±2.5	PASS
Band4	1312	NV	40	14.38	0.008398	±2.5	PASS
Band4	1312	NV	50	14.39	0.008403	±2.5	PASS
Band4	1413	NV	-30	-3.14	-0.001812	±2.5	PASS
Band4	1413	NV	-20	-3.31	-0.001910	±2.5	PASS
Band4	1413	NV	-10	-3.25	-0.001876	±2.5	PASS
Band4	1413	NV	0	-3.29	-0.001899	±2.5	PASS
Band4	1413	NV	10	-3.28	-0.001893	±2.5	PASS
Band4	1413	NV	20	-3.32	-0.001916	±2.5	PASS
Band4	1413	NV	30	-3.20	-0.001847	±2.5	PASS
Band4	1413	NV	40	-3.17	-0.001830	±2.5	PASS
Band4	1413	NV	50	-3.32	-0.001916	±2.5	PASS
Band4	1513	NV	-30	-13.72	-0.007828	±2.5	PASS
Band4	1513	NV	-20	-13.86	-0.007908	±2.5	PASS
Band4	1513	NV	-10	-14.06	-0.008022	±2.5	PASS
Band4	1513	NV	0	-14.08	-0.008034	±2.5	PASS
Band4	1513	NV	10	-14.26	-0.008136	±2.5	PASS
Band4	1513	NV	20	-13.93	-0.007948	±2.5	PASS
Band4	1513	NV	30	-14.26	-0.008136	±2.5	PASS
Band4	1513	NV	40	-14.57	-0.008313	±2.5	PASS
Band4	1513	NV	50	-14.31	-0.008165	±2.5	PASS
Band5	4132	NV	-30	1.62	0.001960	±2.5	PASS
Band5	4132	NV	-20	1.60	0.001936	±2.5	PASS
Band5	4132	NV	-10	1.54	0.001864	±2.5	PASS
Band5	4132	NV	0	1.57	0.001900	±2.5	PASS
Band5	4132	NV	10	1.55	0.001876	±2.5	PASS
Band5	4132	NV	20	1.54	0.001864	±2.5	PASS
Band5	4132	NV	30	1.45	0.001755	±2.5	PASS
Band5	4132	NV	40	1.52	0.001839	±2.5	PASS
Band5	4132	NV	50	1.49	0.001803	±2.5	PASS
Band5	4182	NV	-30	-0.29	-0.000347	±2.5	PASS
Band5	4182	NV	-20	-0.18	-0.000215	±2.5	PASS
Band5	4182	NV	-10	-0.27	-0.000323	±2.5	PASS
Band5	4182	NV	0	-0.21	-0.000251	±2.5	PASS
Band5	4182	NV	10	-0.23	-0.000275	±2.5	PASS
Band5	4182	NV	20	-0.25	-0.000299	±2.5	PASS
Band5	4182	NV	30	-0.29	-0.000347	±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 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



Band5	4182	NV	40	-0.32	-0.000383	±2.5	PASS
Band5	4182	NV	50	-0.27	-0.000323	±2.5	PASS
Band5	4233	NV	-30	-1.76	-0.002079	±2.5	PASS
Band5	4233	NV	-20	-1.78	-0.002103	±2.5	PASS
Band5	4233	NV	-10	-1.79	-0.002114	±2.5	PASS
Band5	4233	NV	0	-1.72	-0.002032	±2.5	PASS
Band5	4233	NV	10	-1.75	-0.002067	±2.5	PASS
Band5	4233	NV	20	-1.74	-0.002055	±2.5	PASS
Band5	4233	NV	30	-1.88	-0.002221	±2.5	PASS
Band5	4233	NV	40	-1.83	-0.002162	±2.5	PASS
Band5	4233	NV	50	-1.76	-0.002079	±2.5	PASS

The End



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.