

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-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

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	22
6.1. TEST PLOTS	22
7. FIELD STRENGTH OF SPURIOUS RADIATION	32
7.1. TEST BAND = WCDMA BAND II(ANT4)	32
7.1.1. TEST MODE =WCDMA/TM1	32
7.1.1.1. TEST CHANNEL = LCH	32
7.1.1.2. TEST CHANNEL = MCH	33
7.1.1.3. TEST CHANNEL = HCH	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-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (CCC Laboratory)

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

7.2.	TEST BAND = WCDMA BAND IV(ANT4).....	34
7.2.1.	TEST MODE =WCDMA/TM1	34
7.2.1.1.	TEST CHANNEL = LCH	34
7.2.1.2.	TEST CHANNEL = MCH	35
7.2.1.3.	TEST CHANNEL = HCH.....	35
7.3.	TEST BAND = WCDMA BAND V(ANT1).....	36
7.3.1.	TEST MODE =WCDMA/TM1	36
7.3.1.1.	TEST CHANNEL = LCH	36
7.3.1.2.	TEST CHANNEL = MCH	37
7.3.1.3.	TEST CHANNEL = HCH.....	37
7.4.	TEST BAND = WCDMA BAND II(ANT3).....	38
7.4.1.	TEST MODE =WCDMA/TM1	38
7.4.1.1.	TEST CHANNEL = LCH	38
7.4.1.2.	TEST CHANNEL = MCH	39
7.4.1.3.	TEST CHANNEL = HCH.....	39
7.5.	TEST BAND = WCDMA BAND IV(ANT3).....	40
7.5.1.	TEST MODE =WCDMA/TM1	40
7.5.1.1.	TEST CHANNEL = LCH	40
7.5.1.2.	TEST CHANNEL = MCH	41
7.5.1.3.	TEST CHANNEL = HCH.....	41
7.6.	TEST BAND = WCDMA BAND V(ANT0).....	42
7.6.1.	TEST MODE =WCDMA/TM1	42
7.6.1.1.	TEST CHANNEL = LCH	42
7.6.1.2.	TEST CHANNEL = MCH	43
7.6.1.3.	TEST CHANNEL = HCH.....	43
8.	FREQUENCY STABILITY	45
8.1.	FREQUENCY VS VOLTAGE	45
8.2.	FREQUENCY VS TEMPERATURE	46





1. Effective (Isotropic) Radiated Power

1.1. Test Result

ANT4:

Band	Channel	Conducted Power (dBm)	EIRP (dBm)	Limit(dBm)	Verdict
Band II	9262	23.91	21.21	33.00	PASS
Band II	9400	23.93	21.23	33.00	PASS
Band II	9538	24.01	21.31	33.00	PASS
Band IV	1312	23.17	22.37	30.00	PASS
Band IV	1413	23.11	22.31	30.00	PASS
Band IV	1513	23.07	22.27	30.00	PASS

ANT1

Band	Channel	Conducted Power (dBm)	ERP (dBm)	Limit(dBm)	Verdict
Band V	4132	24.14	20.19	38.45	PASS
Band V	4182	24.27	20.32	38.45	PASS
Band V	4233	24.21	20.26	38.45	PASS

ANT3:

Band	Channel	Conducted Power (dBm)	EIRP (dBm)	Limit(dBm)	Verdict
Band II	9262	22.25	22.35	33.00	PASS
Band II	9400	22.23	22.33	33.00	PASS
Band II	9538	22.32	22.42	33.00	PASS
Band IV	1312	22.55	22.75	30.00	PASS
Band IV	1413	22.56	22.76	30.00	PASS
Band IV	1513	22.57	22.77	30.00	PASS

ANT0

Band	Channel	Conducted Power (dBm)	ERP (dBm)	Limit(dBm)	Verdict
Band V	4132	23.14	12.39	38.45	PASS
Band V	4182	23.25	12.5	38.45	PASS
Band V	4233	23.11	12.36	38.45	PASS

Remark:

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

ERP [dBm] = Conducted Power [dBm] + Gain [dBd]

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



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.

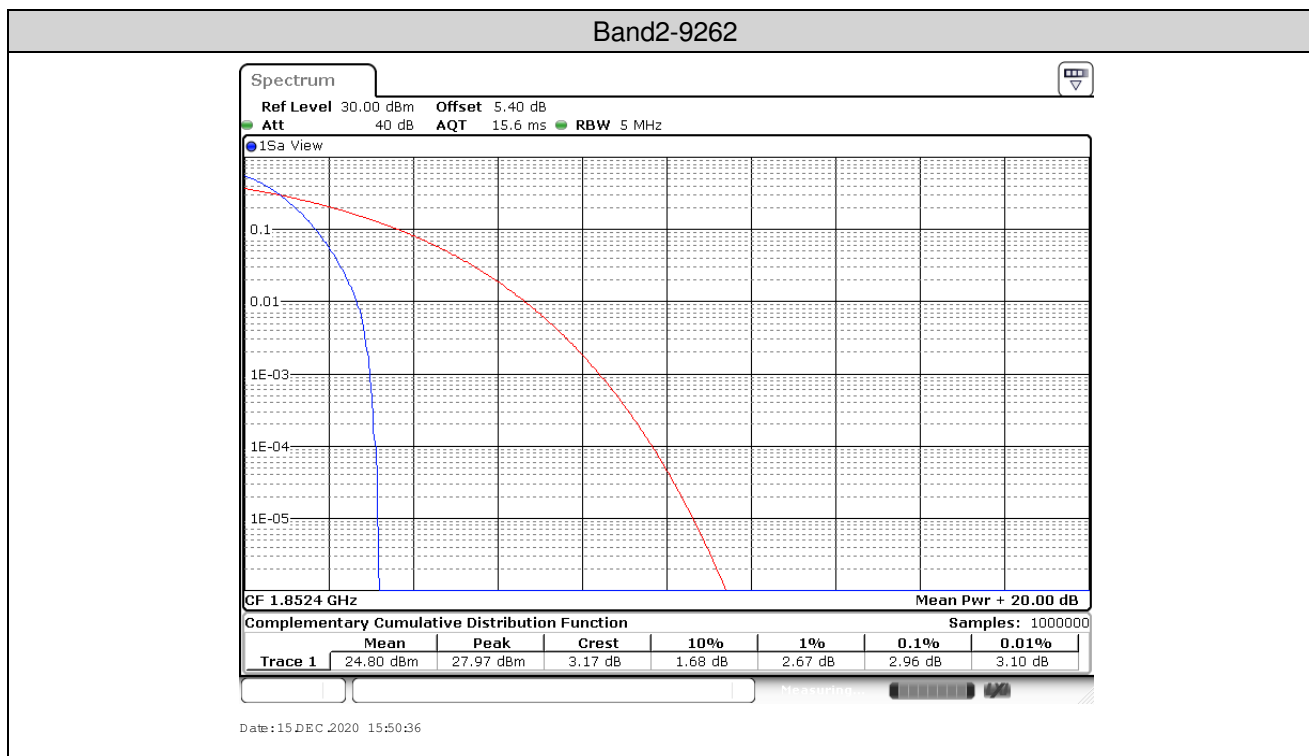
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
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

2. Peak-to-Average Ratio(CCDF)

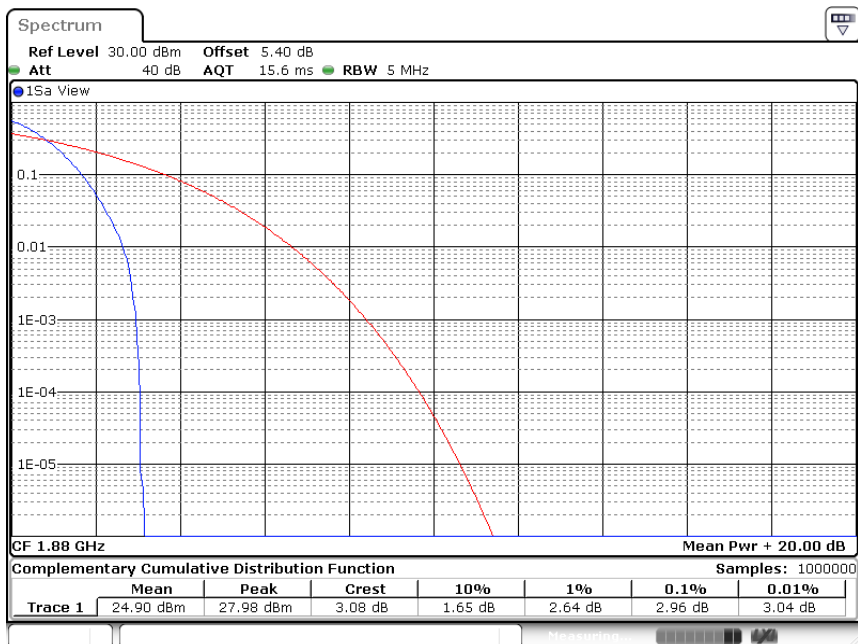
2.1. Test Result

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9262	2.96	13	PASS
Band2	9400	2.96	13	PASS
Band2	9538	2.93	13	PASS
Band4	1312	2.93	13	PASS
Band4	1413	2.9	13	PASS
Band4	1513	2.96	13	PASS
Band5	4132	2.87	13	PASS
Band5	4182	2.9	13	PASS
Band5	4233	3.01	13	PASS

2.2. Test Plots

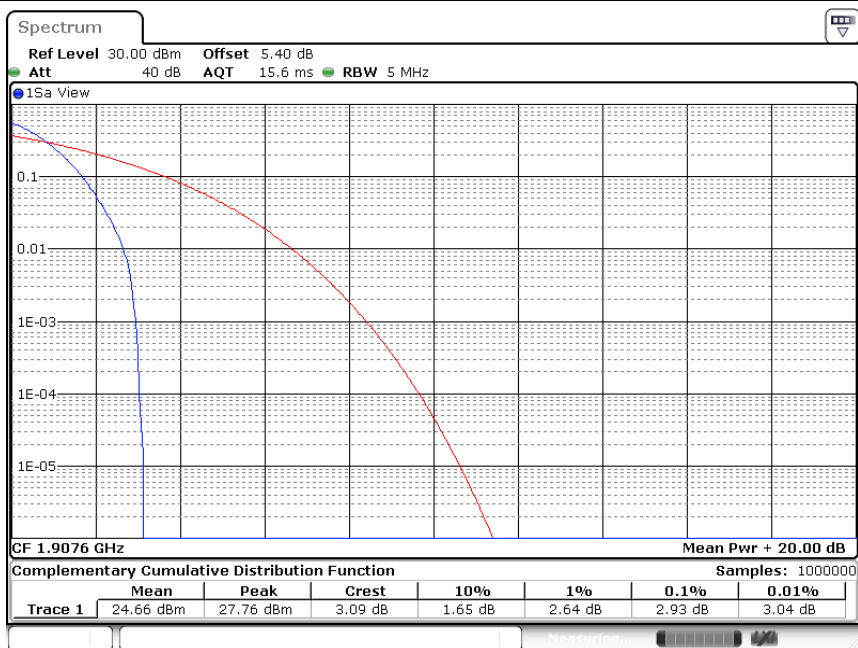


Band2-9400



Date: 15 DEC 2020 15:50:51

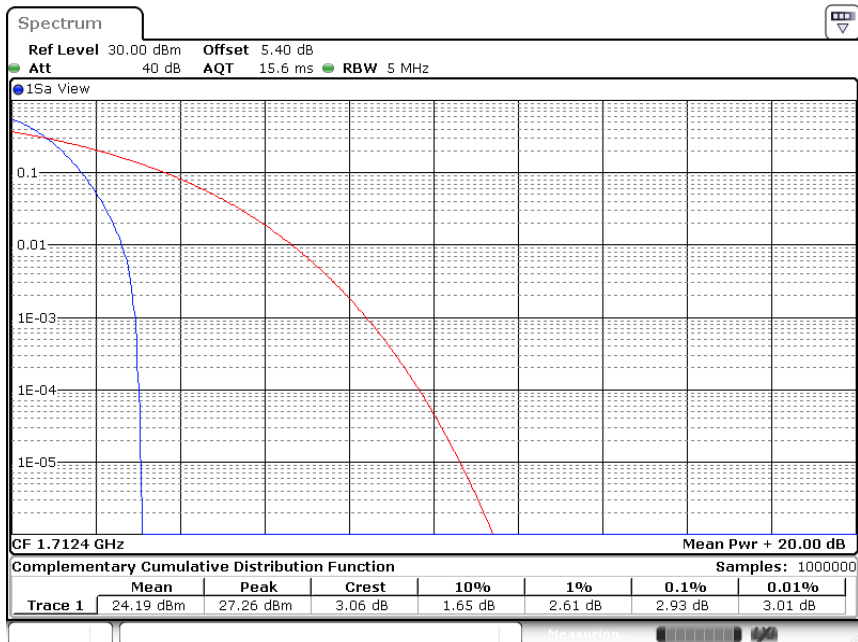
Band2-9538



Date: 15 DEC 2020 15:51:06

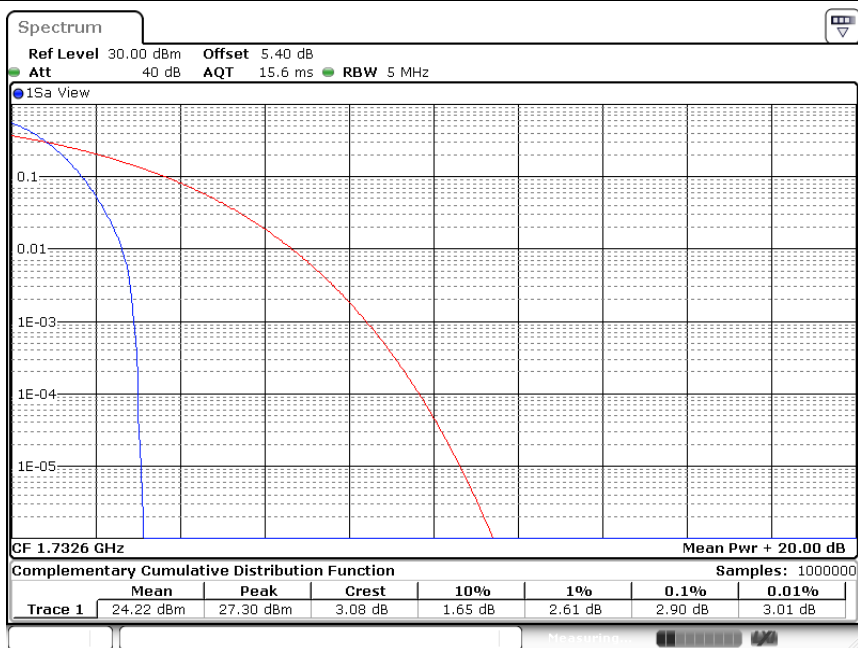


Band4-1312



Date: 15 DEC 2020 15:28:35

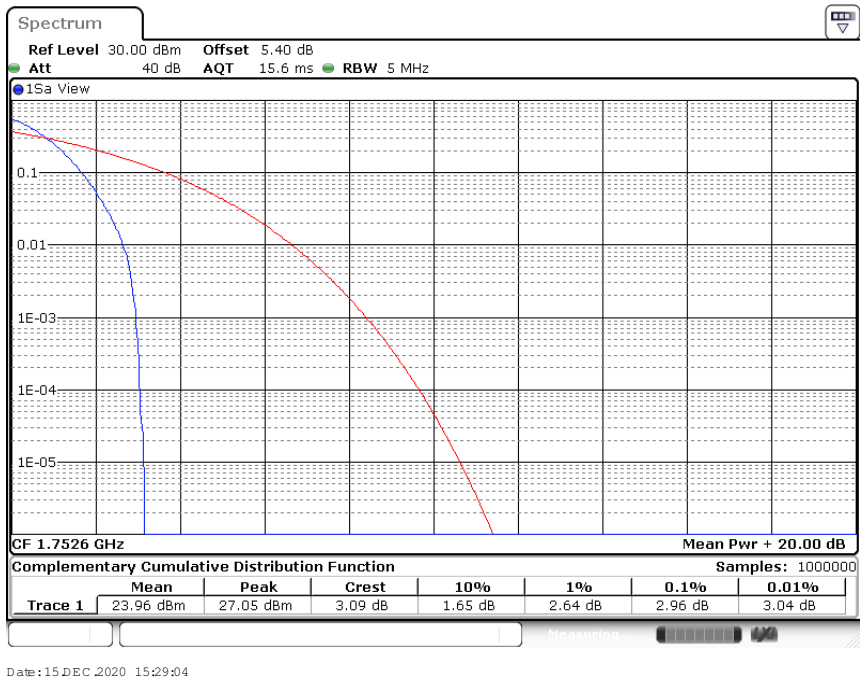
Band4-1413



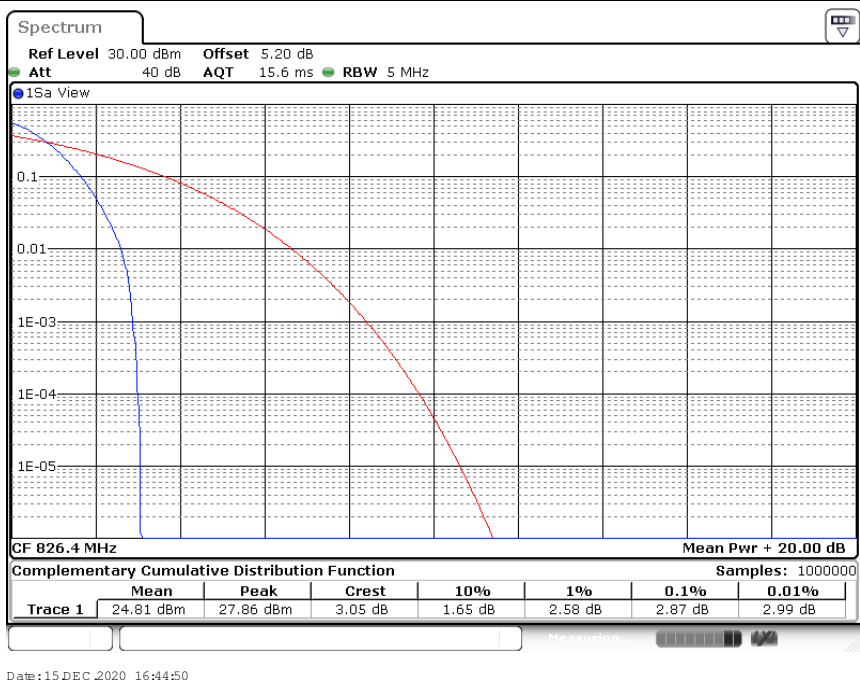
Date: 15 DEC 2020 15:28:50



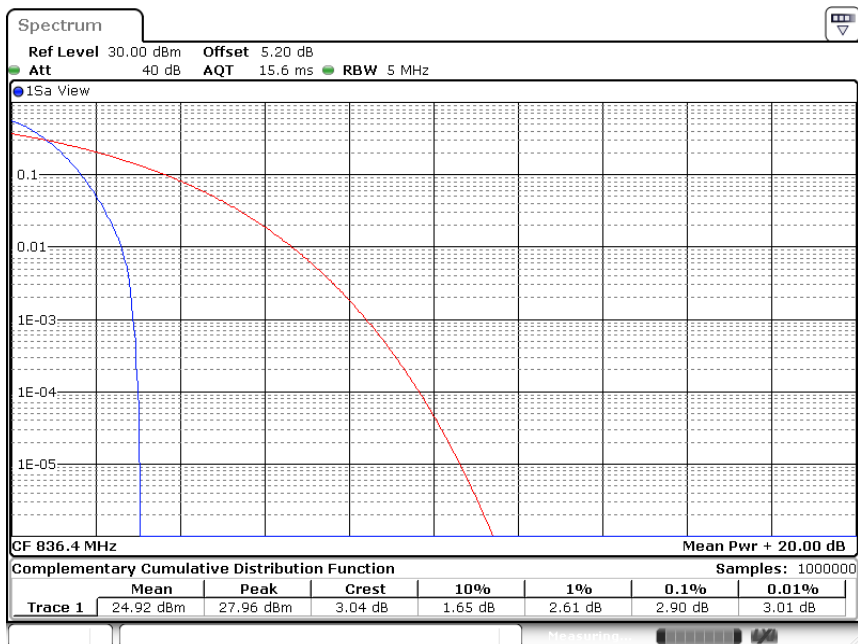
Band4-1513



Band5-4132

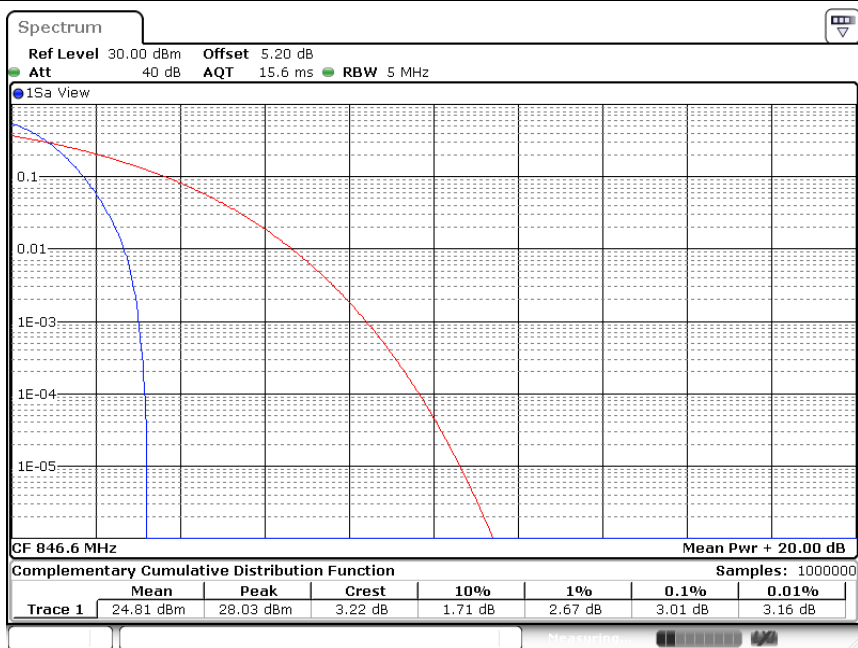


Band5-4182



Date: 15 DEC 2020 16:45:05

Band5-4233



Date: 15 DEC 2020 16:45:19

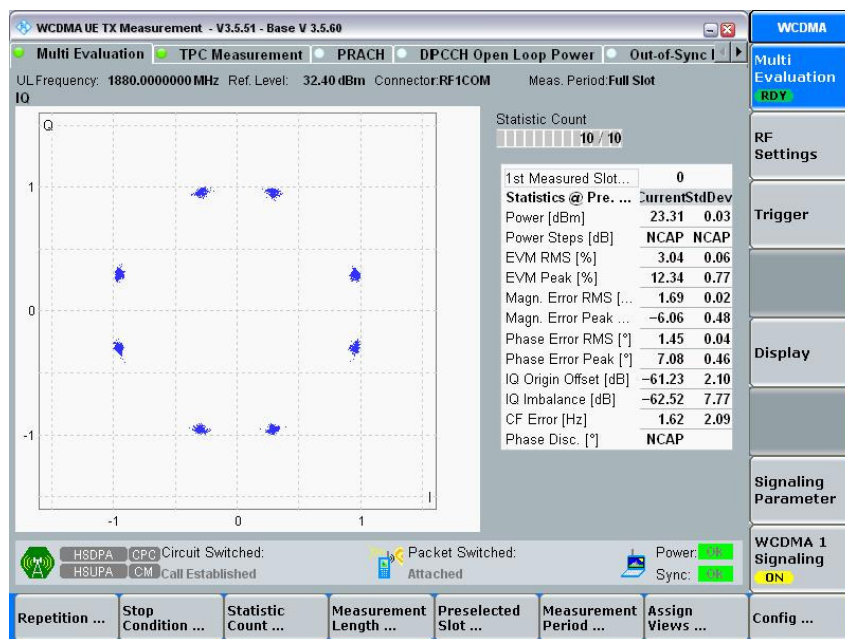


3. Modulation Characteristics

3.1. Test Band = WCDMA Band II

3.1.1. Test Mode = UMTS/TM1

3.1.1.1. Test Channel = MCH

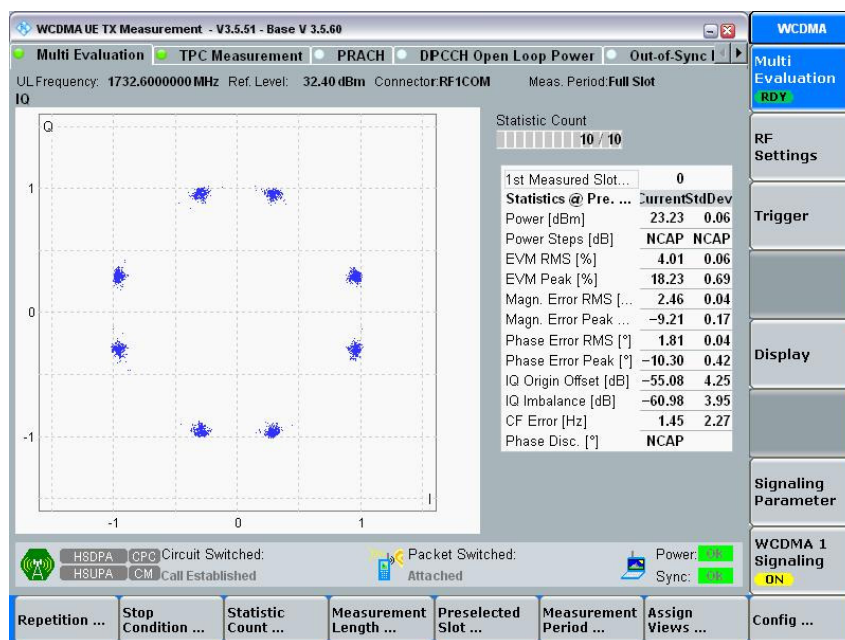


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

3.2. Test Band = WCDMA Band IV

3.2.1. Test Mode = UMTS/TM1

3.2.1.1. Test Channel = MCH

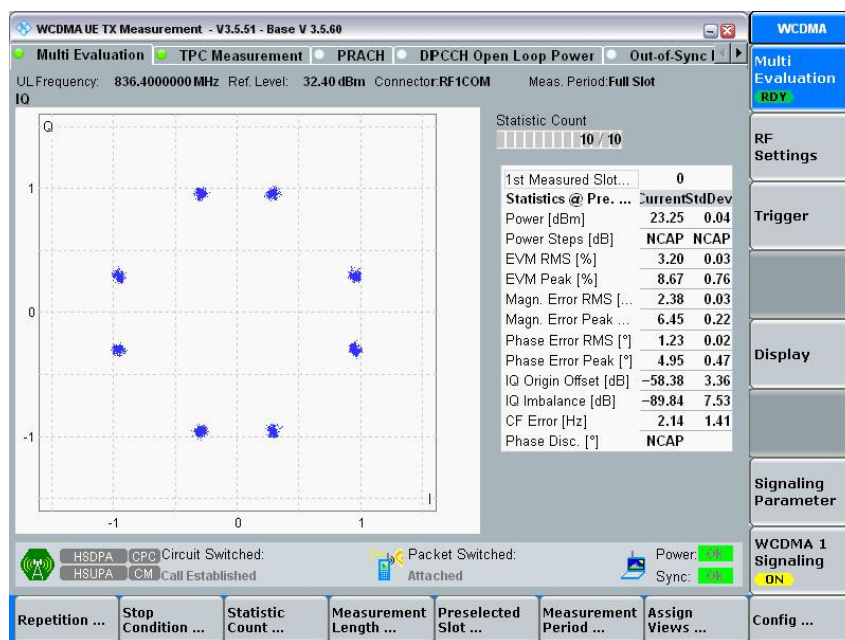


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



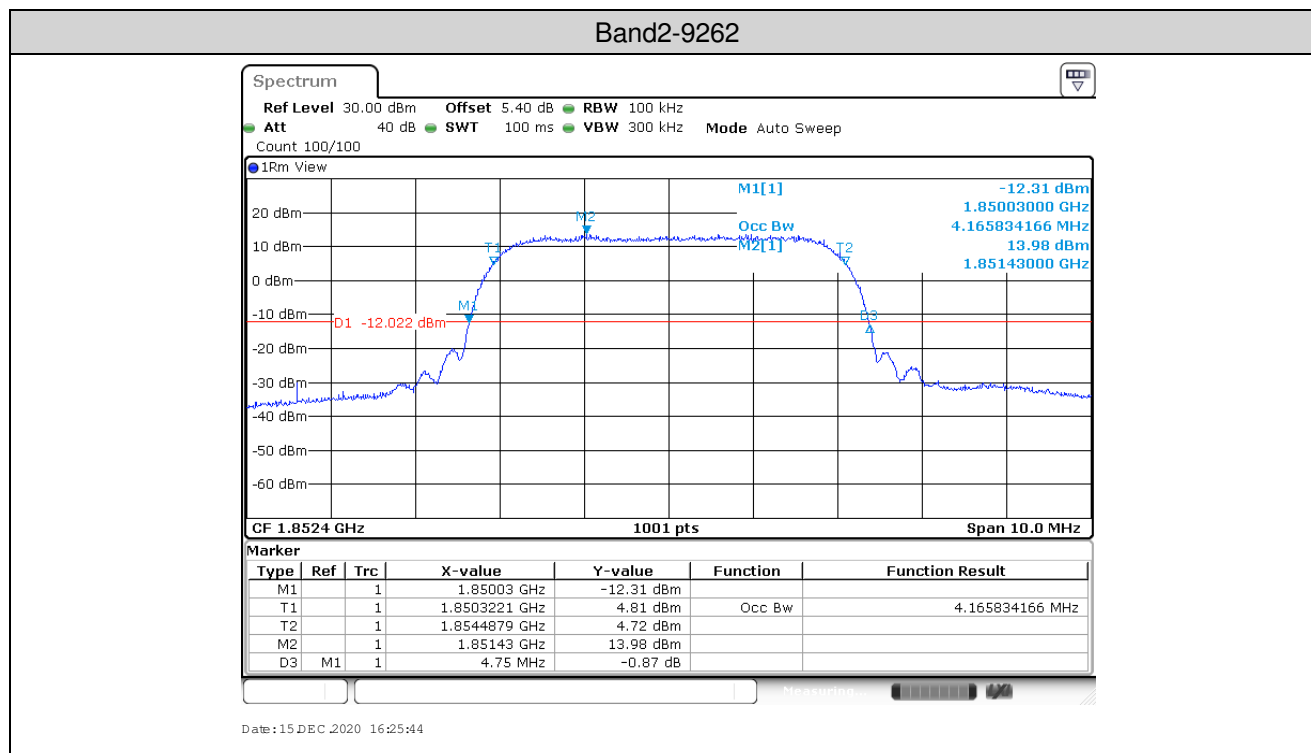


4. 26dB Bandwidth and Occupied Bandwidth

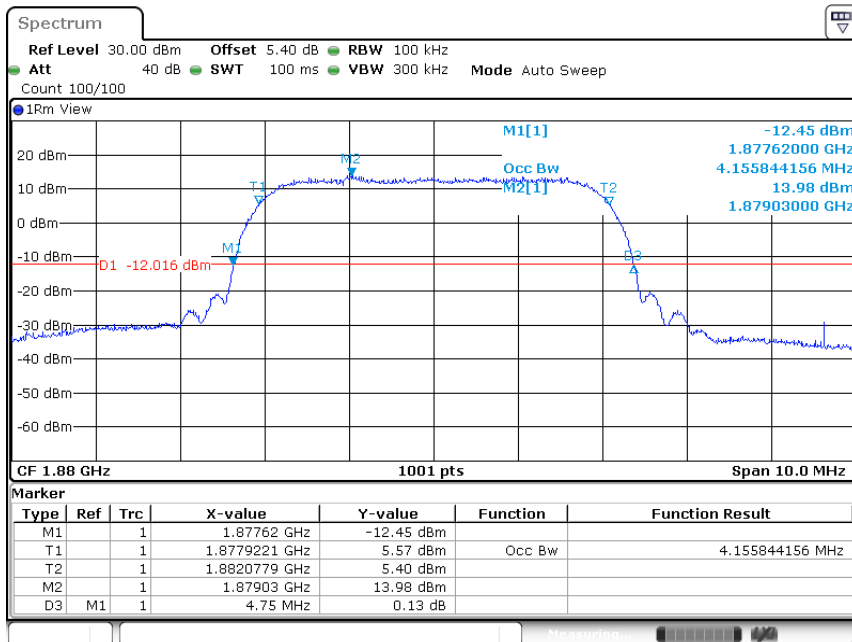
4.1. Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band2	9262	4.166	4.750	---	PASS
Band2	9400	4.156	4.750	---	PASS
Band2	9538	4.166	4.750	---	PASS
Band4	1312	4.176	4.750	---	PASS
Band4	1413	4.166	4.750	---	PASS
Band4	1513	4.166	4.750	---	PASS
Band5	4132	4.176	4.760	---	PASS
Band5	4182	4.166	4.750	---	PASS
Band5	4233	4.146	4.750	---	PASS

4.2. Test Plots

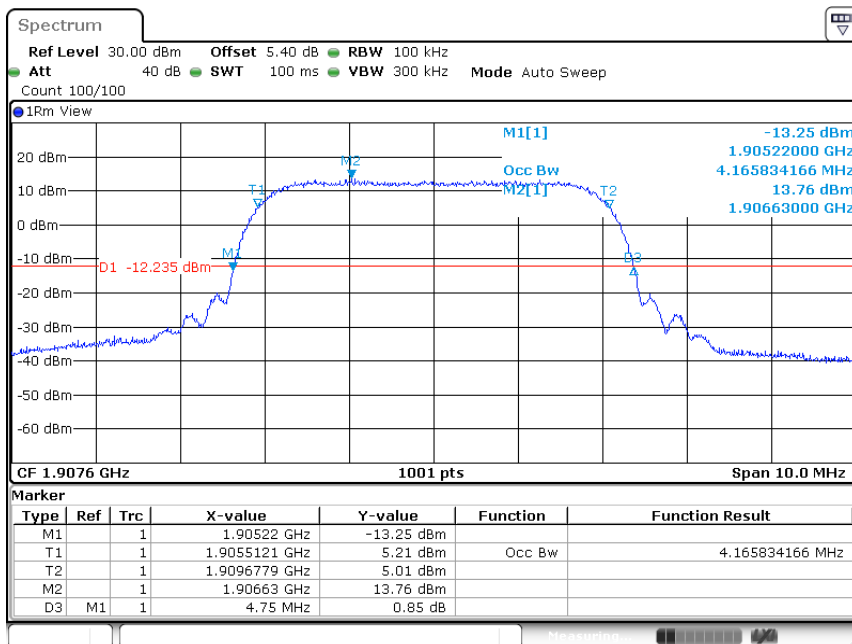


Band2-9400



Date: 15 DEC 2020 16:26:07

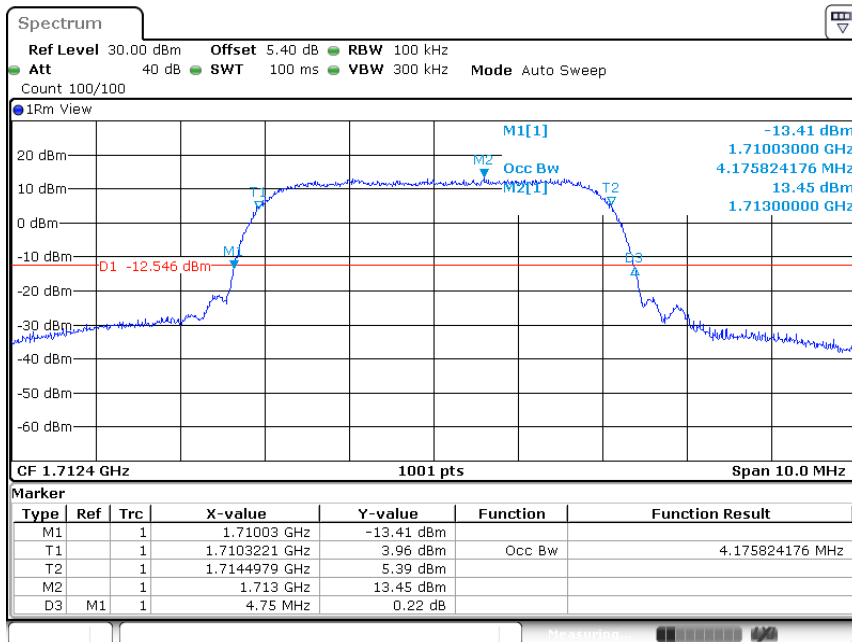
Band2-9538



Date: 15 DEC 2020 16:26:30

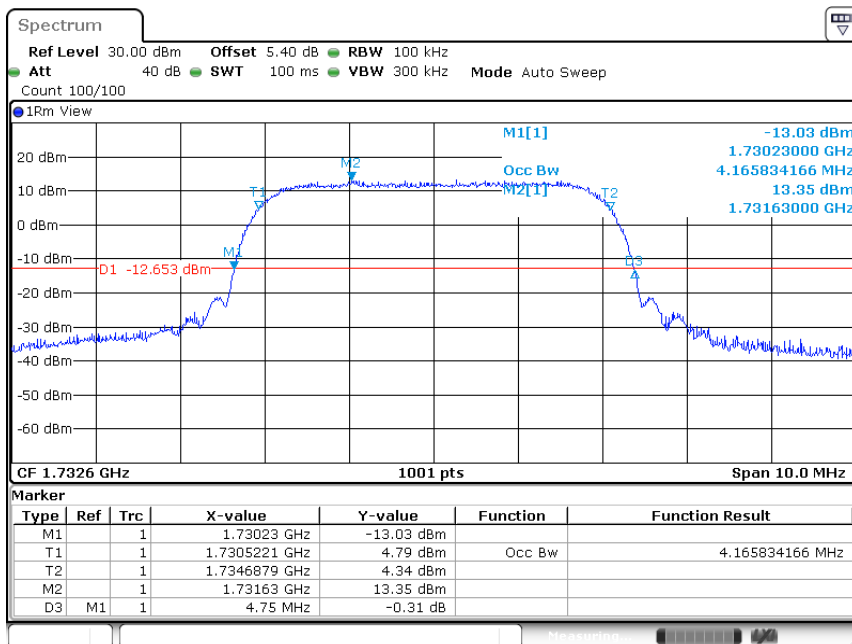


Band4-1312



Date: 15 DEC 2020 15:41:36

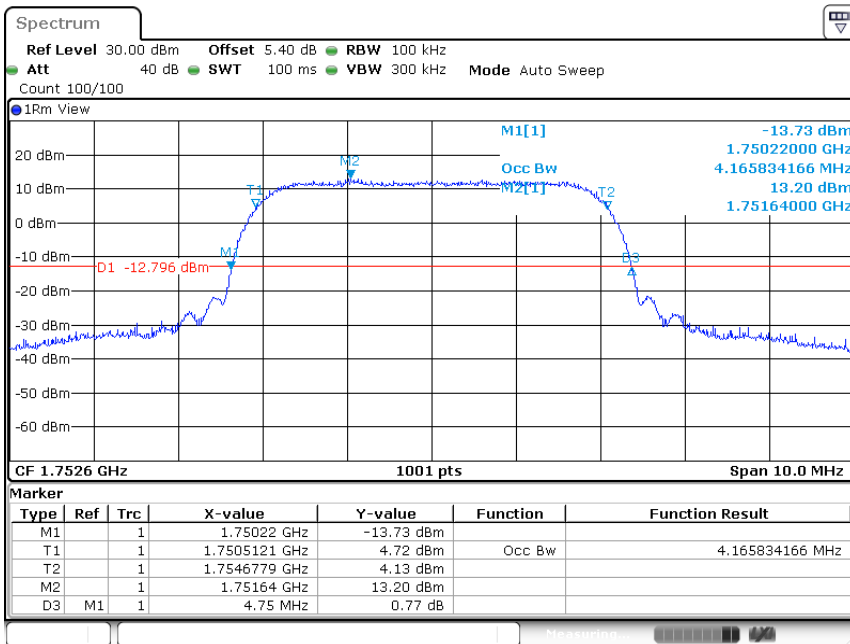
Band4-1413



Date: 15 DEC 2020 15:41:59

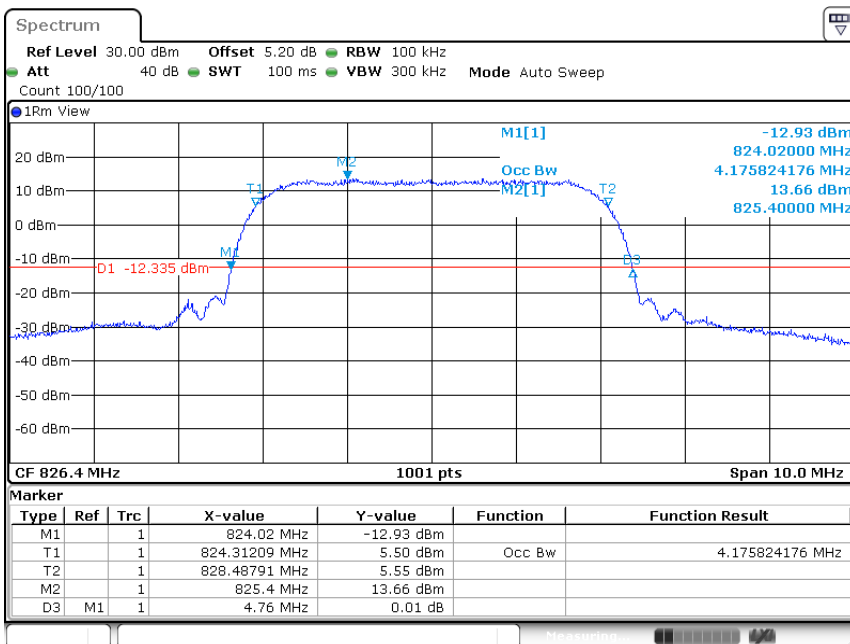


Band4-1513



Date: 15 DEC 2020 15:42:23

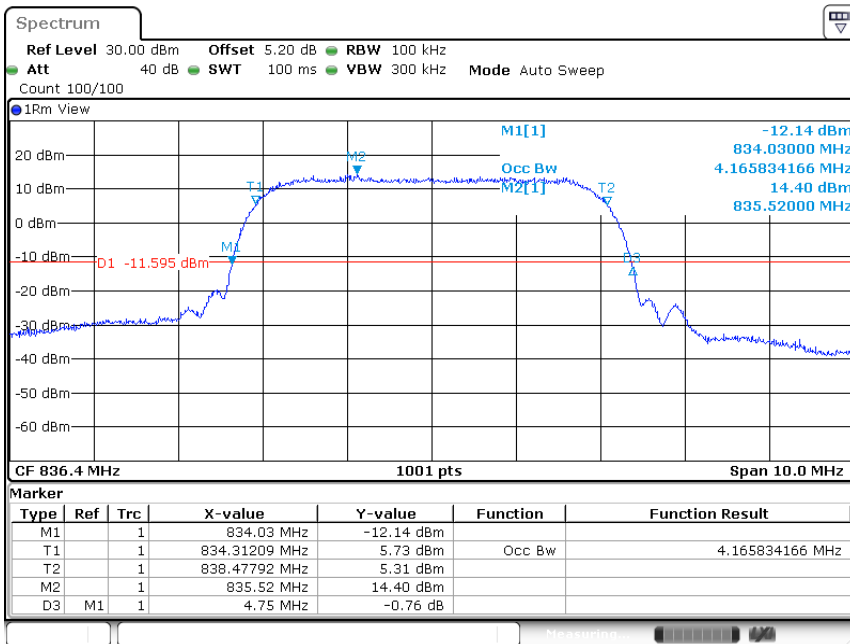
Band5-4132



Date: 15 DEC 2020 16:57:59

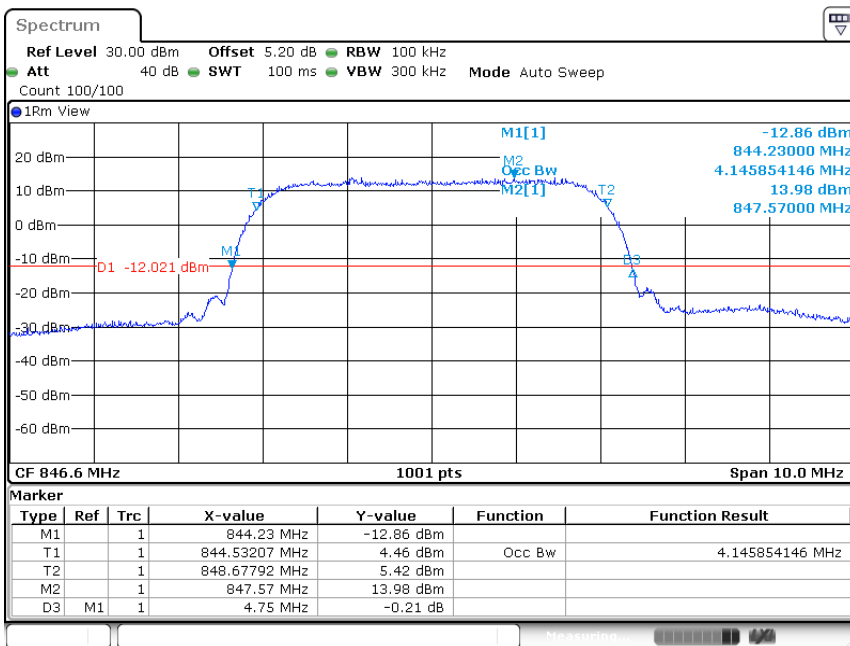


Band5-4182



Date: 15 DEC 2020 16:58:22

Band5-4233

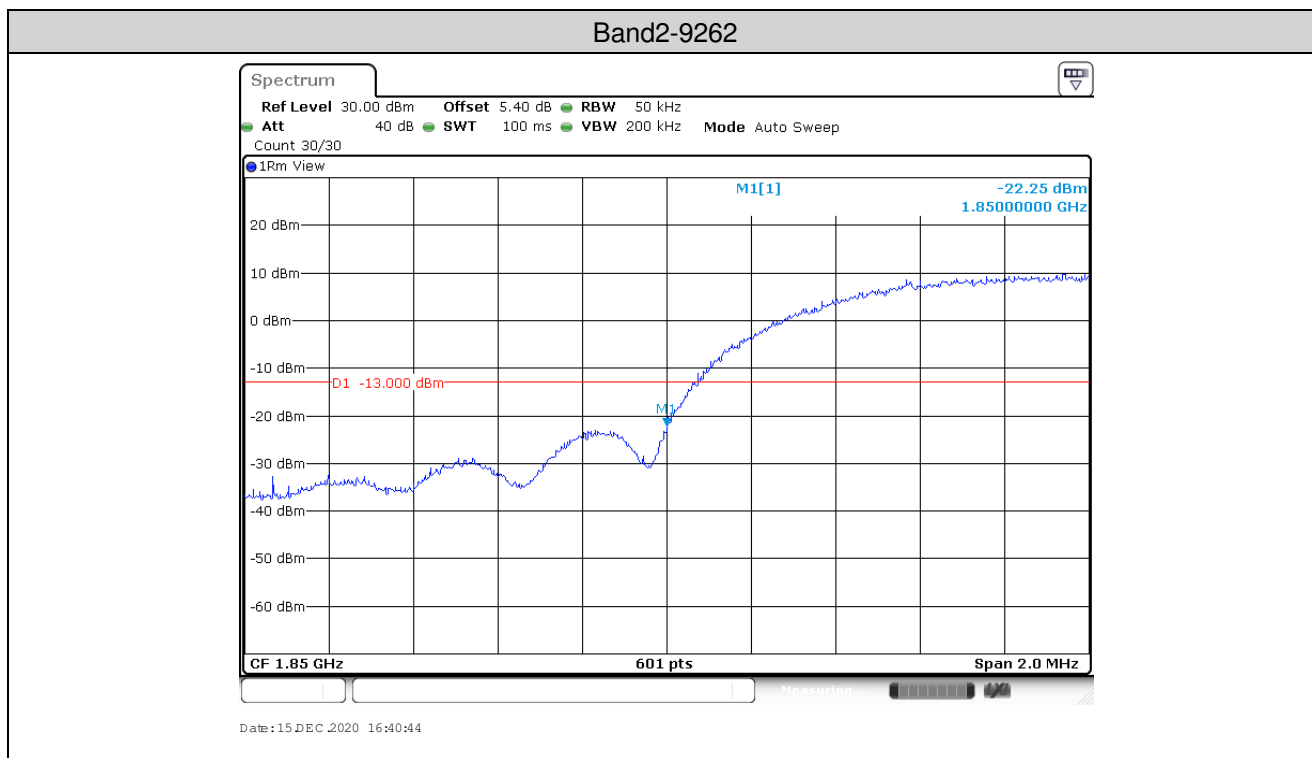


Date: 15 DEC 2020 16:58:45



5. Band Edge Compliance

5.1. Test Plots

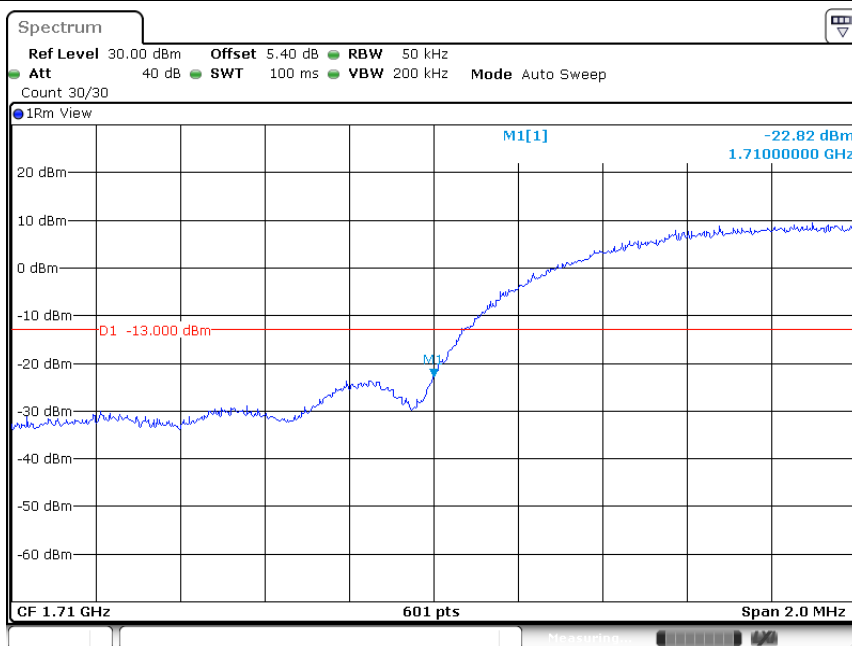


Band2-9538



Date: 15 DEC 2020 16:40:59

Band4-1312



Date: 15 DEC 2020 15:42:38

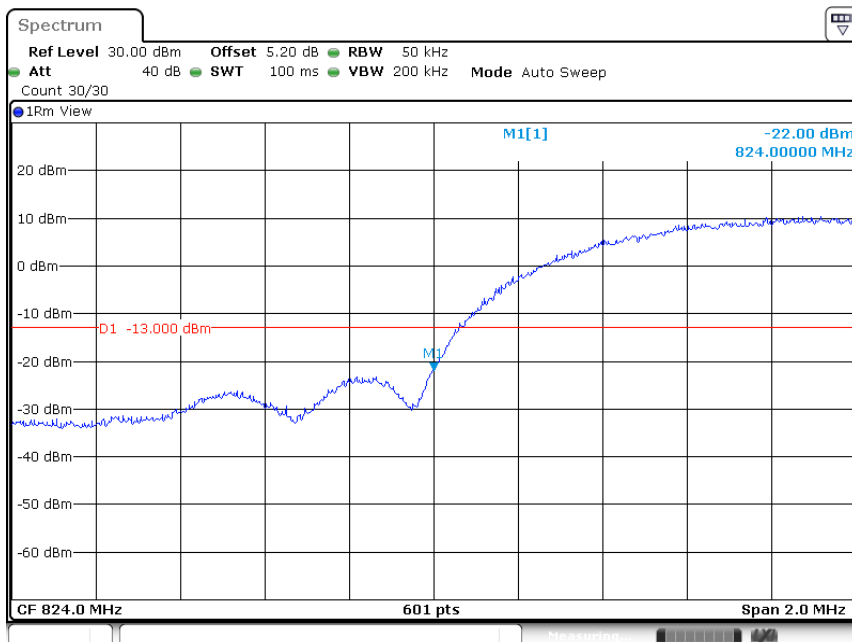


Band4-1513



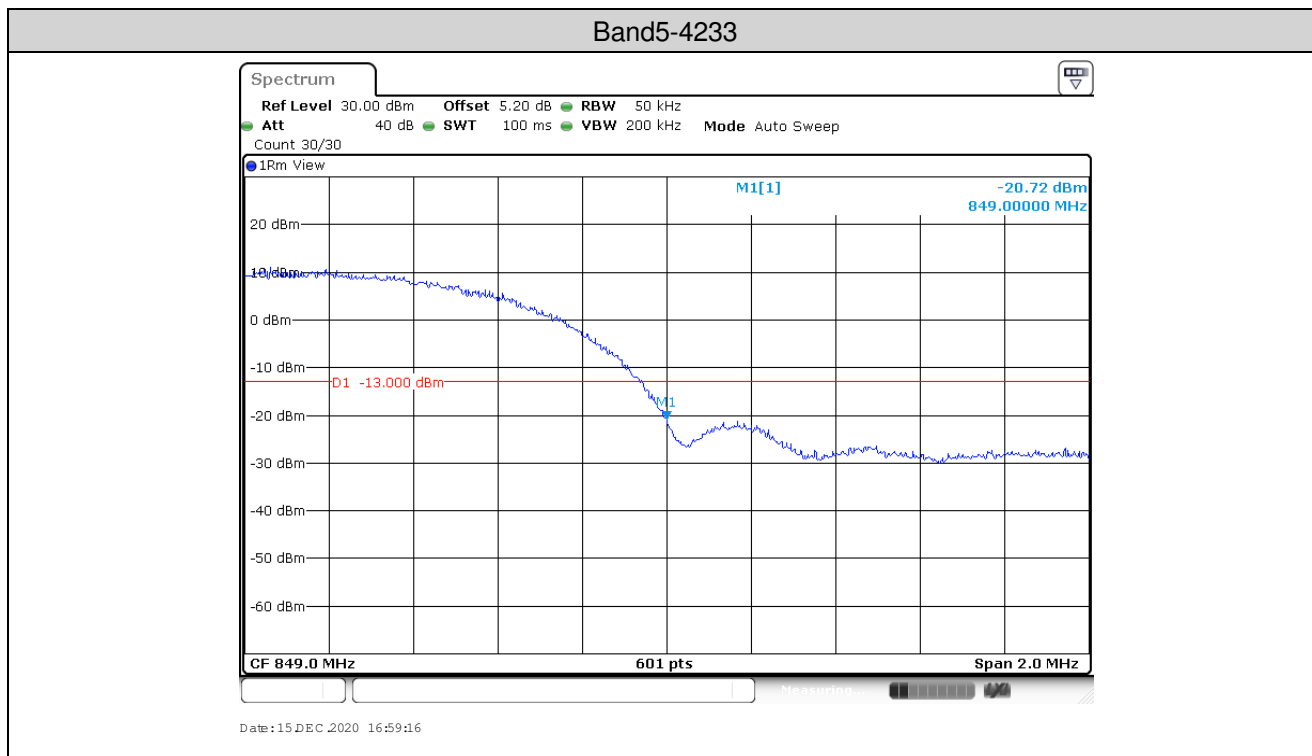
Date: 15 DEC 2020 15:42:53

Band5-4132



Date: 15 DEC 2020 16:59:01





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.

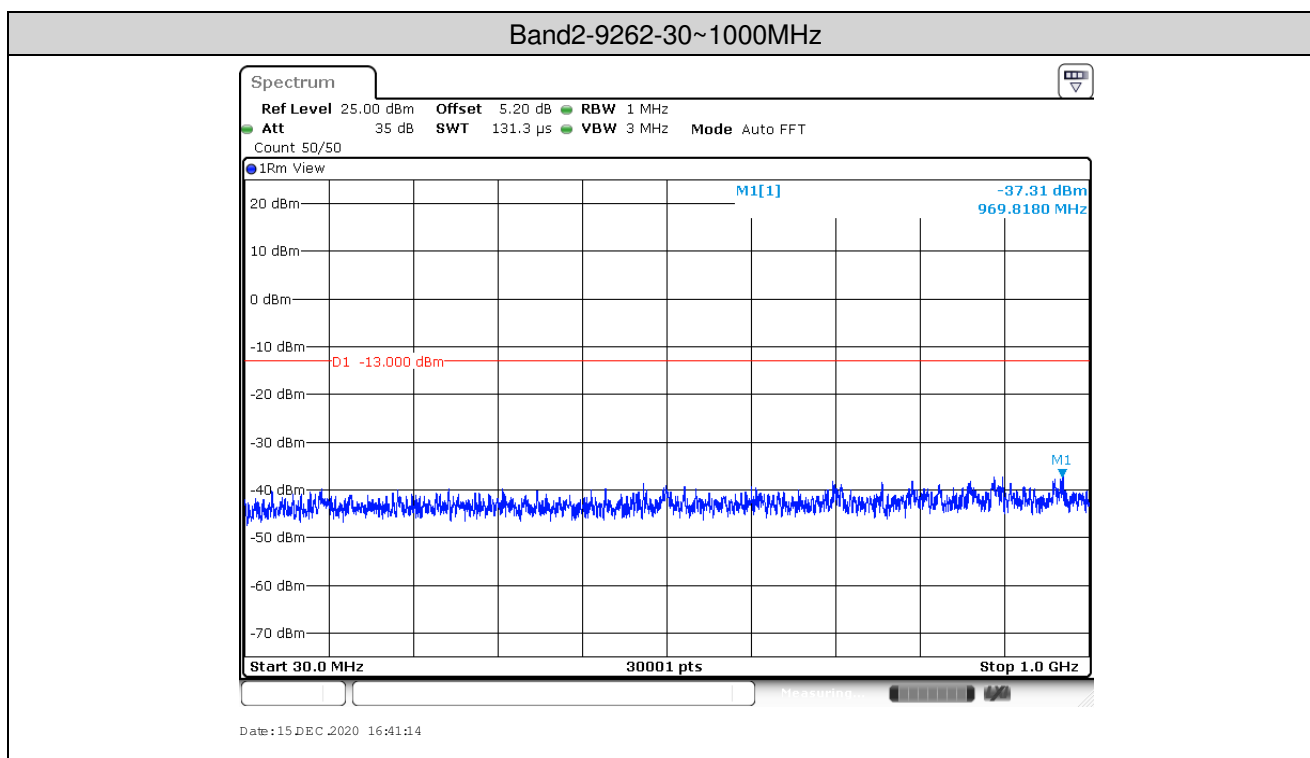
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

6. Spurious Emission at Antenna Terminal

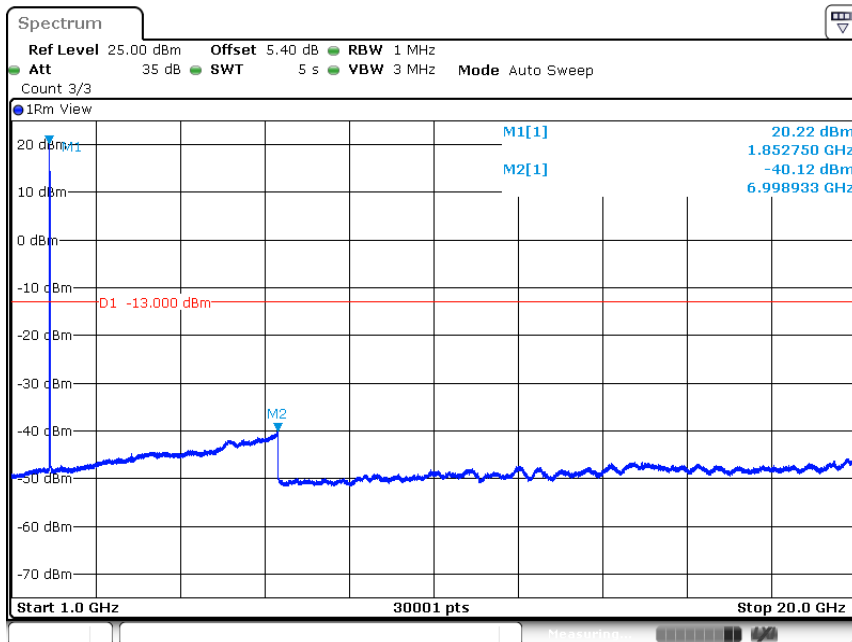
Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points =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

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

6.1. Test Plots

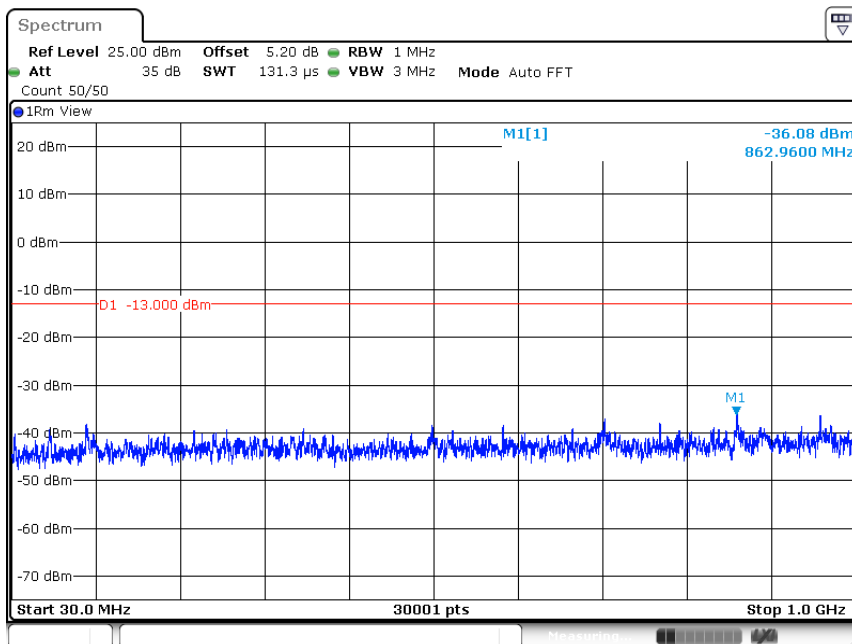


Band2-9262-1000~20000MHz



Date: 15 DEC 2020 16:41:40

Band2-9400-30~1000MHz



Date: 15 DEC 2020 16:41:54



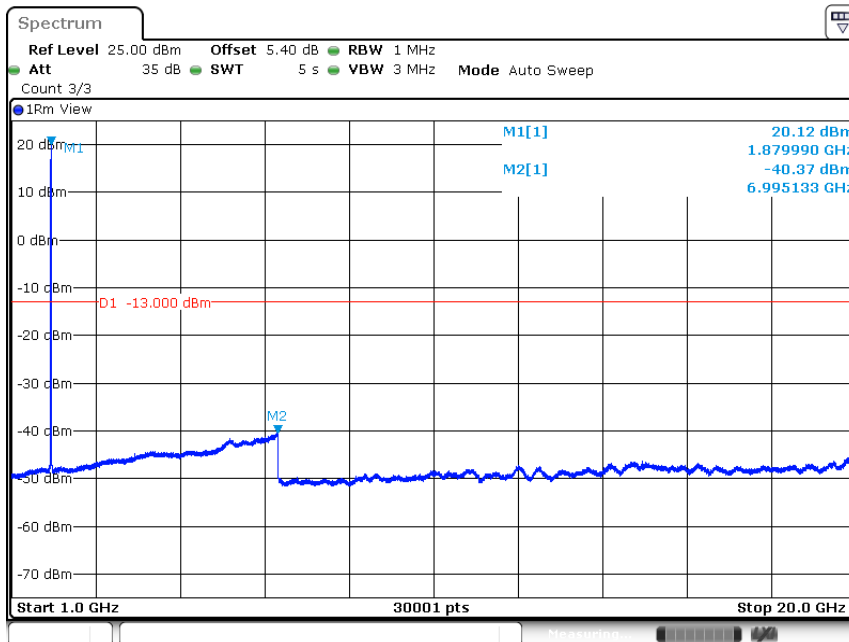
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (CCC Laboratory)

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

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

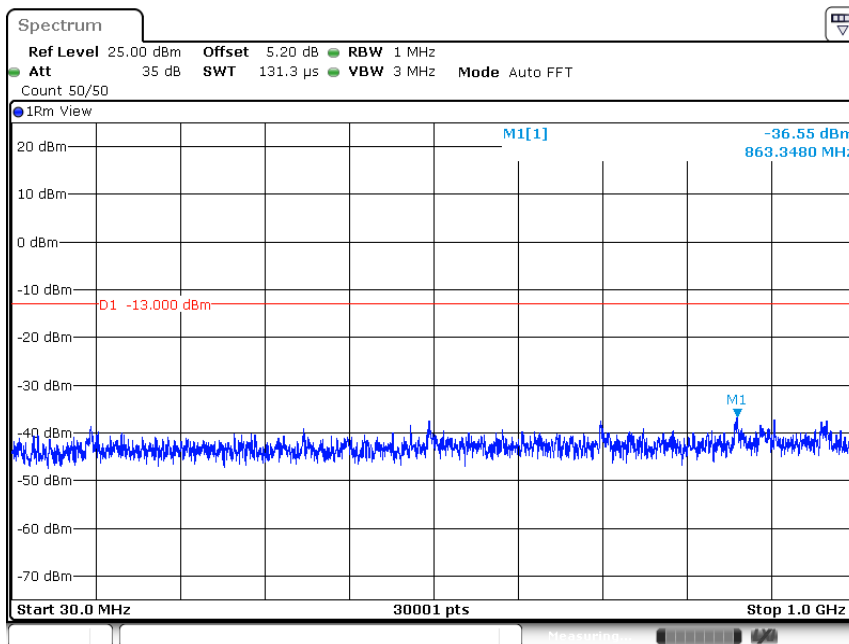
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Band2-9400-1000~20000MHz



Date: 15 DEC 2020 16:42:20

Band2-9538-30~1000MHz



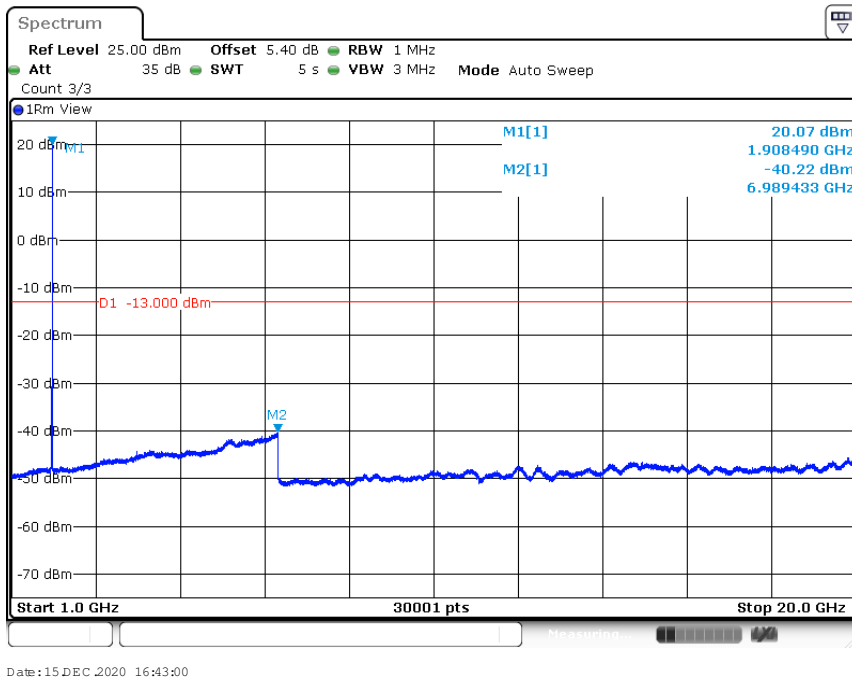
Date: 15 DEC 2020 16:42:34



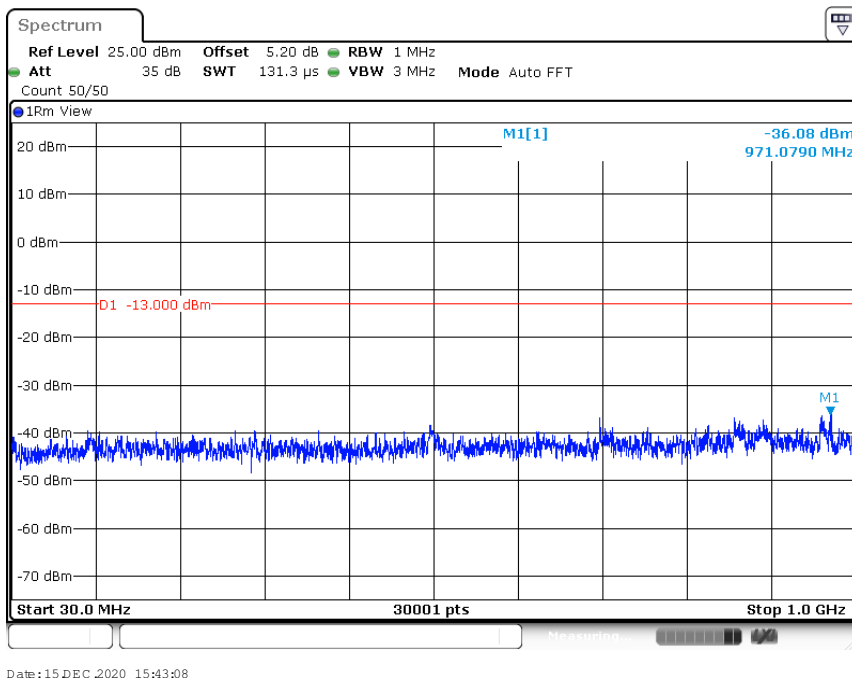
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

Band2-9538-1000~20000MHz



Band4-1312-30~1000MHz

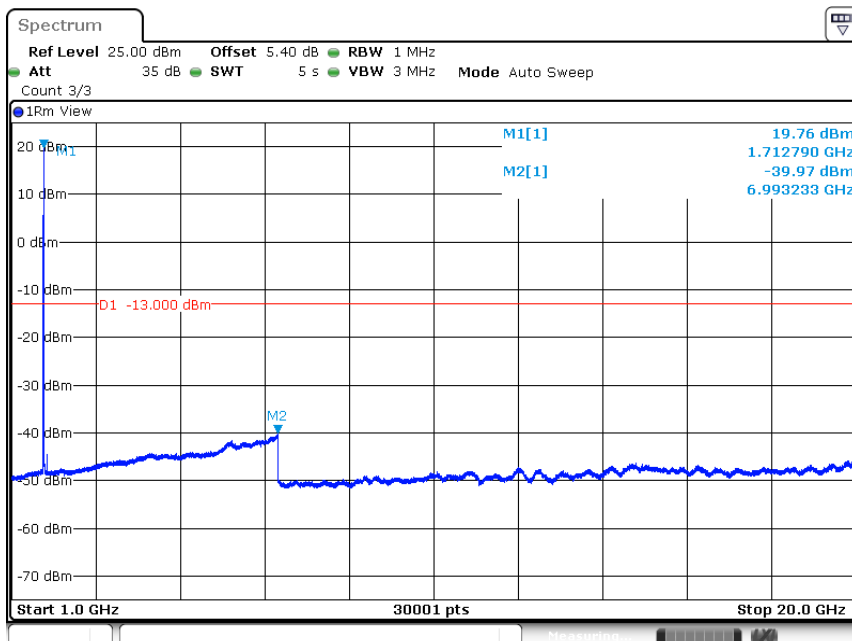


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

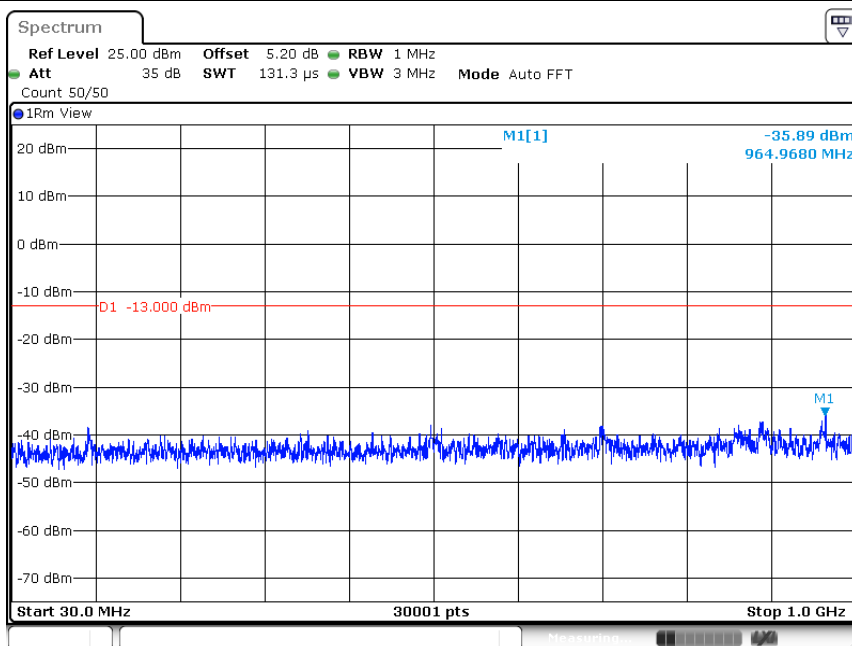
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Band4-1312-1000~20000MHz



Date: 15 DEC 2020 15:43:34

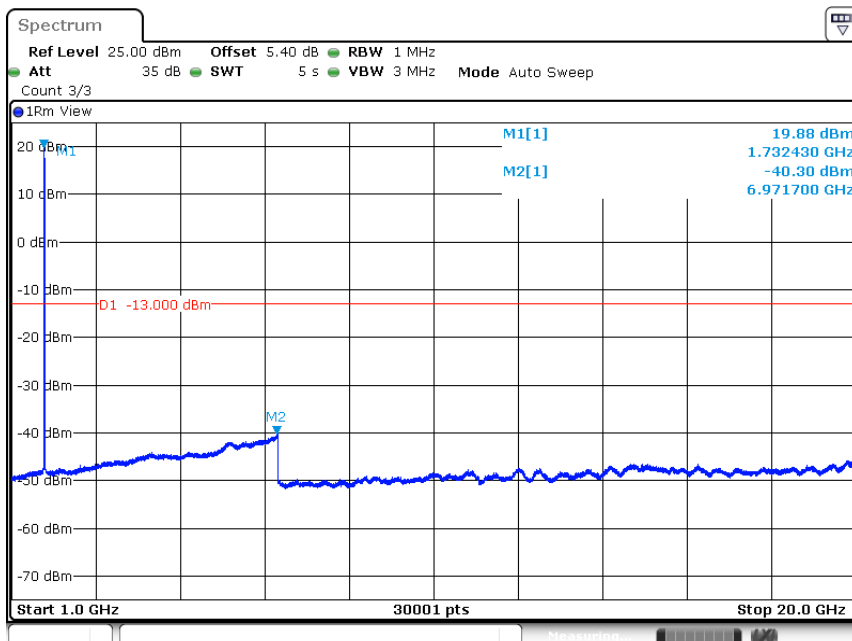
Band4-1413-30~1000MHz



Date: 15 DEC 2020 15:43:48

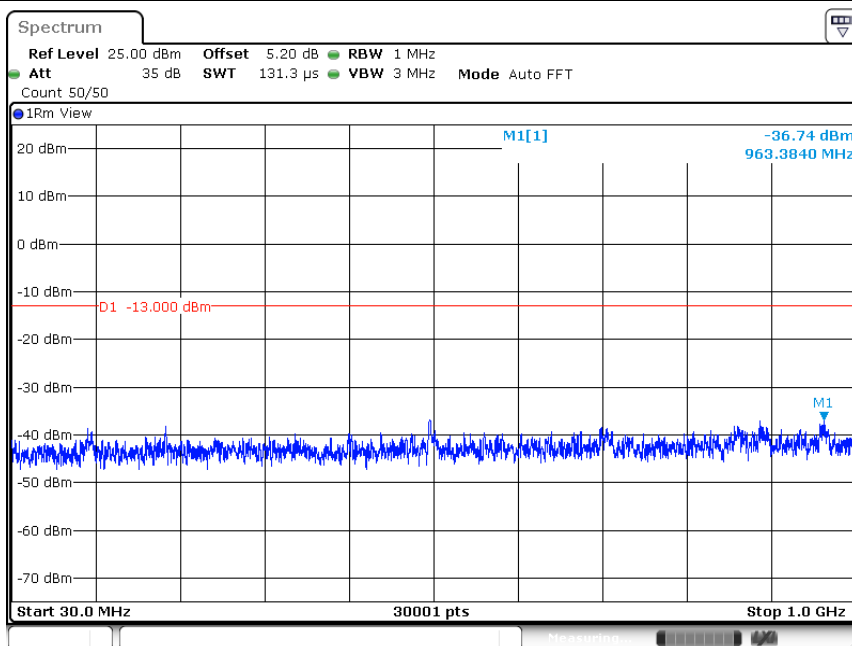


Band4-1413-1000~20000MHz



Date: 15 DEC 2020 15:44:13

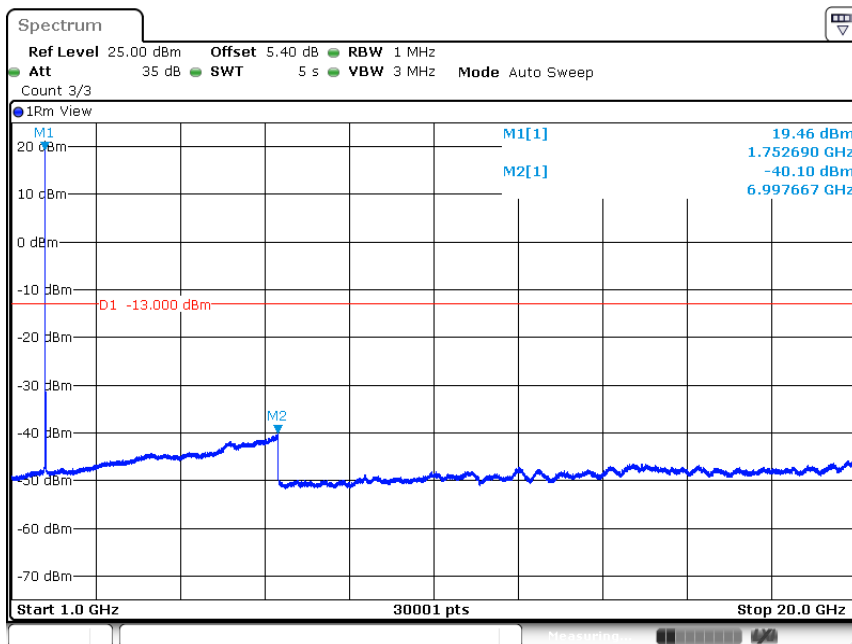
Band4-1513-30~1000MHz



Date: 15 DEC 2020 15:44:27

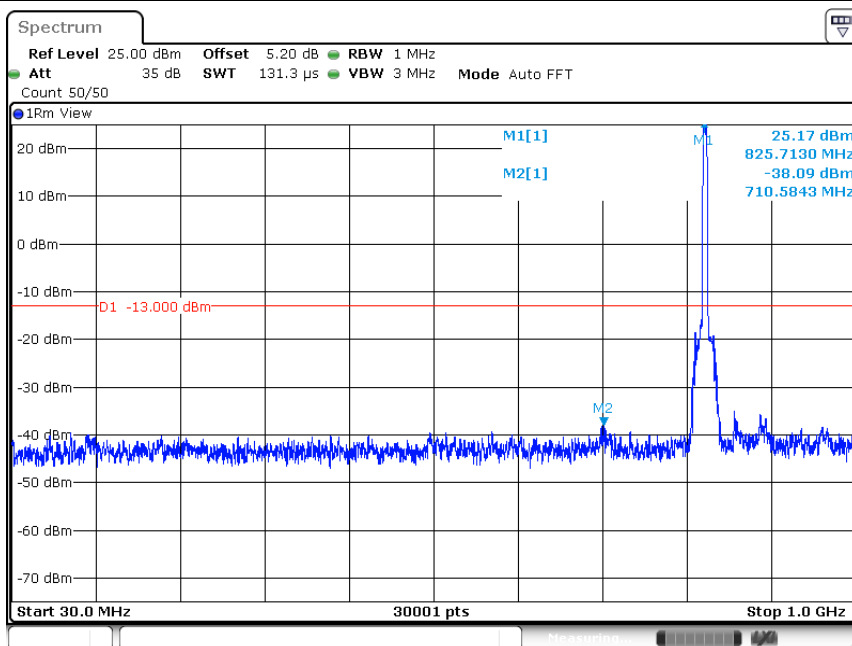


Band4-1513-1000~20000MHz



Date: 15 DEC 2020 15:44:53

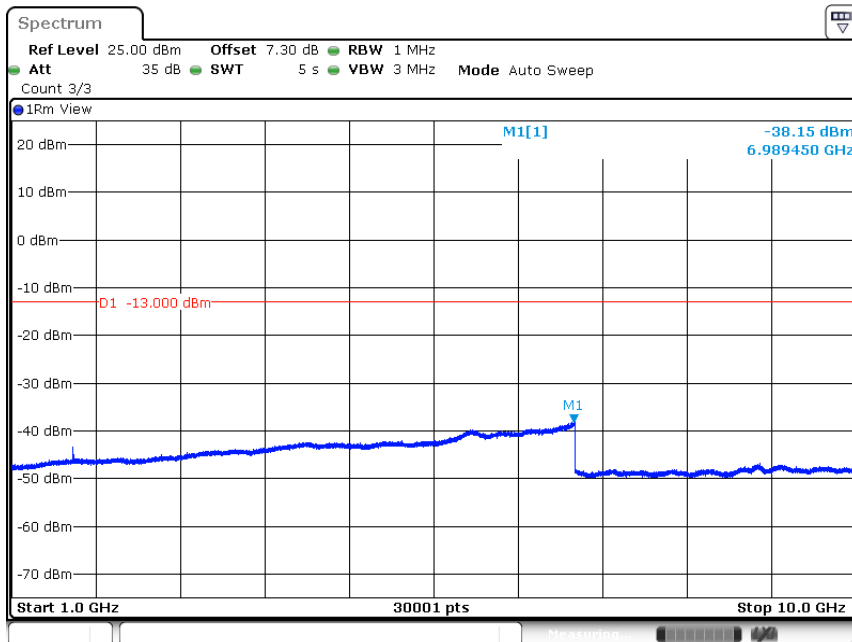
Band5-4132-30~1000MHz



Date: 15 DEC 2020 16:59:31

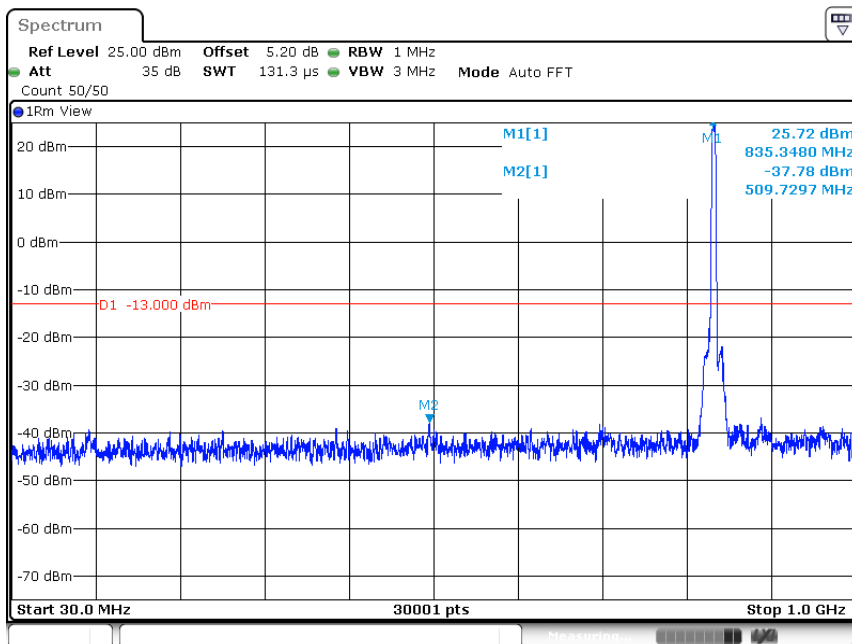


Band5-4132-1000~10000MHz



Date: 15 DEC 2020 16:59:56

Band5-4182-30~1000MHz



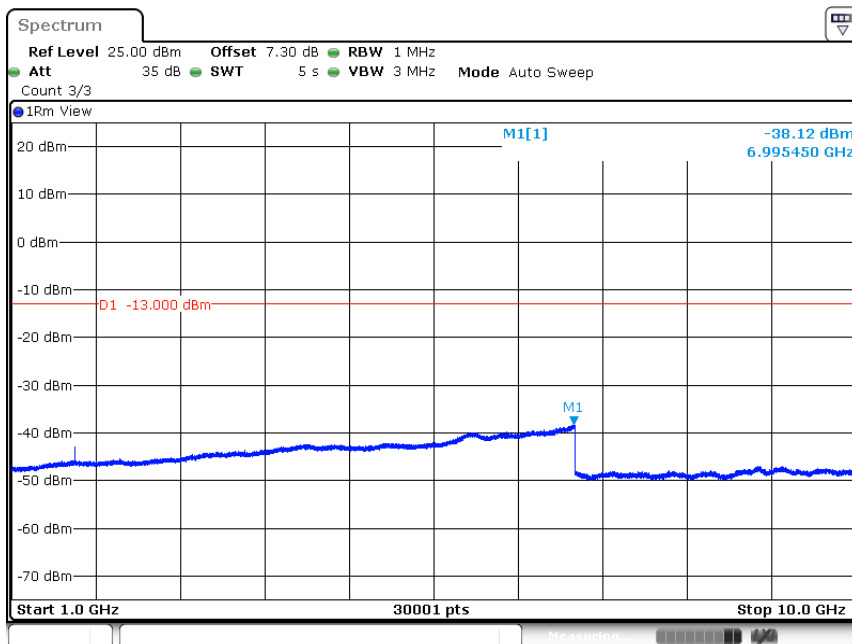
Date: 15 DEC 2020 17:00:11



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

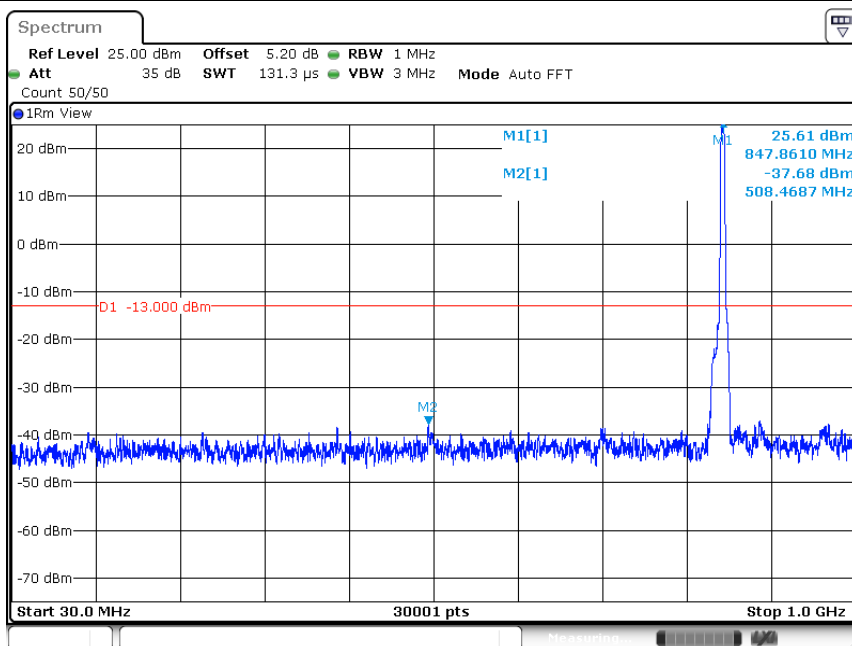
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn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

Band5-4182-1000~10000MHz



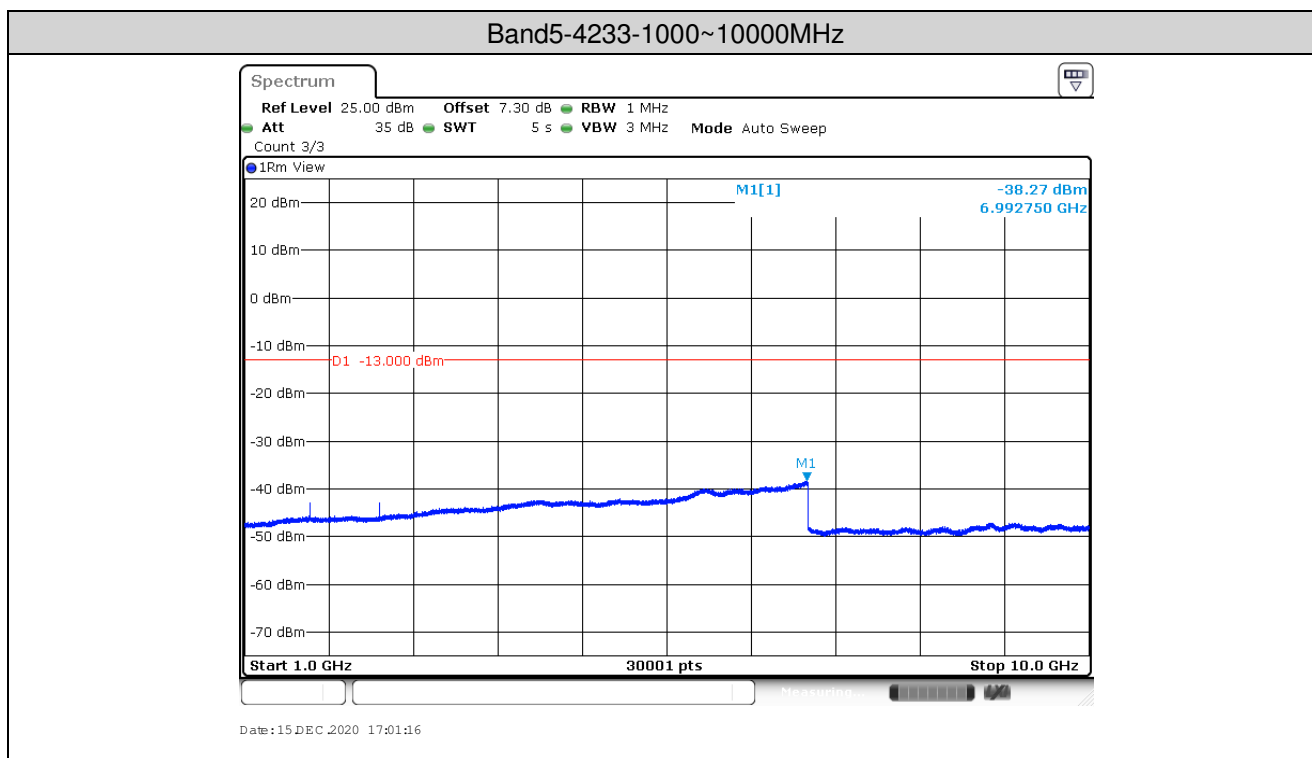
Date: 15 DEC 2020 17:00:36

Band5-4233-30~1000MHz



Date: 15 DEC 2020 17:00:51







7. Field Strength of Spurious Radiation

7.1. Test Band = WCDMA Band II(ANT4)

7.1.1. Test Mode = WCDMA/TM1

7.1.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
63.550000	-80.00	-13.00	67.00	Vertical
104.300000	-79.29	-13.00	66.29	Vertical
341.800000	-84.22	-13.00	71.22	Vertical
5074.800000	-64.99	-13.00	51.99	Vertical
7244.175000	-63.07	-13.00	50.07	Vertical
10628.887500	-61.47	-13.00	48.47	Vertical
61.800000	-75.97	-13.00	62.97	Horizontal
104.250000	-82.45	-13.00	69.45	Horizontal
307.550000	-82.58	-13.00	69.58	Horizontal
4307.475000	-65.35	-13.00	52.35	Horizontal
6494.400000	-63.83	-13.00	50.83	Horizontal
10042.425000	-61.64	-13.00	48.64	Horizontal





7.1.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
63.000000	-78.50	-13.00	65.50	Vertical
104.300000	-77.23	-13.00	64.23	Vertical
305.900000	-82.52	-13.00	69.52	Vertical
3812.662500	-66.83	-13.00	53.83	Vertical
5942.062500	-64.20	-13.00	51.20	Vertical
9266.812500	-61.40	-13.00	48.40	Vertical
63.000000	-75.56	-13.00	62.56	Horizontal
104.250000	-81.38	-13.00	68.38	Horizontal
310.400000	-81.46	-13.00	68.46	Horizontal
4426.425000	-65.34	-13.00	52.34	Horizontal
6475.387500	-64.22	-13.00	51.22	Horizontal
9872.287500	-61.88	-13.00	48.88	Horizontal

7.1.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
63.350000	-79.42	-13.00	66.42	Vertical
104.300000	-79.57	-13.00	66.57	Vertical
355.500000	-83.21	-13.00	70.21	Vertical
4288.462500	-65.74	-13.00	52.74	Vertical
6489.037500	-63.67	-13.00	50.67	Vertical
10630.350000	-61.44	-13.00	48.44	Vertical
62.450000	-75.92	-13.00	62.92	Horizontal
104.250000	-81.05	-13.00	68.05	Horizontal
268.450000	-85.30	-13.00	72.30	Horizontal
4304.550000	-65.26	-13.00	52.26	Horizontal
7035.525000	-63.41	-13.00	50.41	Horizontal
9659.250000	-62.27	-13.00	49.27	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.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

7.2. Test Band = WCDMA Band IV(ANT4)**7.2.1. Test Mode = WCDMA/TM1****7.2.1.1. Test Channel = LCH**

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
63.000000	-79.96	-13.00	66.96	Vertical
104.300000	-77.96	-13.00	64.96	Vertical
311.350000	-84.86	-13.00	71.86	Vertical
4270.912500	-65.69	-13.00	52.69	Vertical
7870.612500	-62.28	-13.00	49.28	Vertical
10654.725000	-61.49	-13.00	48.49	Vertical
63.450000	-75.78	-13.00	62.78	Horizontal
104.300000	-82.01	-13.00	69.01	Horizontal
204.650000	-85.46	-13.00	72.46	Horizontal
4297.237500	-65.44	-13.00	52.44	Horizontal
6131.700000	-64.07	-13.00	51.07	Horizontal
9284.362500	-61.53	-13.00	48.53	Horizontal





7.2.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
63.950000	-79.51	-13.00	66.51	Vertical
104.300000	-78.61	-13.00	65.61	Vertical
354.050000	-83.93	-13.00	70.93	Vertical
4316.250000	-65.79	-13.00	52.79	Vertical
7061.362500	-63.05	-13.00	50.05	Vertical
10619.137500	-61.52	-13.00	48.52	Vertical
62.500000	-75.15	-13.00	62.15	Horizontal
104.250000	-81.28	-13.00	68.28	Horizontal
253.350000	-86.44	-13.00	73.44	Horizontal
4358.175000	-65.28	-13.00	52.28	Horizontal
7066.725000	-62.64	-13.00	49.64	Horizontal
10641.075000	-61.51	-13.00	48.51	Horizontal

7.2.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
63.900000	-80.11	-13.00	67.11	Vertical
104.300000	-77.02	-13.00	64.02	Vertical
332.650000	-84.90	-13.00	71.90	Vertical
4319.175000	-65.60	-13.00	52.60	Vertical
6605.062500	-64.21	-13.00	51.21	Vertical
9104.962500	-61.63	-13.00	48.63	Vertical
62.250000	-75.80	-13.00	62.80	Horizontal
104.300000	-81.80	-13.00	68.80	Horizontal
205.550000	-85.44	-13.00	72.44	Horizontal
4326.975000	-65.38	-13.00	52.38	Horizontal
7040.887500	-63.39	-13.00	50.39	Horizontal
10647.412500	-61.49	-13.00	48.49	Horizontal



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-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.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



7.3. Test Band = WCDMA Band V(ANT1)

7.3.1. Test Mode = WCDMA/TM1

7.3.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
63.750000	-79.06	-13.00	66.06	Vertical
125.000000	-82.41	-13.00	69.41	Vertical
310.050000	-85.16	-13.00	72.16	Vertical
1707.500000	-63.82	-13.00	50.82	Vertical
2427.000000	-58.75	-13.00	45.75	Vertical
5453.587500	-65.22	-13.00	52.22	Vertical
62.400000	-75.70	-13.00	62.70	Horizontal
104.250000	-81.32	-13.00	68.32	Horizontal
206.950000	-85.31	-13.00	72.31	Horizontal
1458.500000	-65.79	-13.00	52.79	Horizontal
2425.500000	-58.79	-13.00	45.79	Horizontal
4302.600000	-65.33	-13.00	52.33	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



7.3.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
64.500000	-79.38	-13.00	66.38	Vertical
104.250000	-77.28	-13.00	64.28	Vertical
288.800000	-85.45	-13.00	72.45	Vertical
1653.500000	-64.48	-13.00	51.48	Vertical
2426.500000	-58.77	-13.00	45.77	Vertical
4211.437500	-66.14	-13.00	53.14	Vertical
62.550000	-75.57	-13.00	62.57	Horizontal
104.350000	-81.50	-13.00	68.50	Horizontal
208.150000	-85.90	-13.00	72.90	Horizontal
1457.000000	-65.79	-13.00	52.79	Horizontal
2387.000000	-58.70	-13.00	45.70	Horizontal
4380.112500	-65.75	-13.00	52.75	Horizontal

7.3.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
64.250000	-79.68	-13.00	66.68	Vertical
125.000000	-83.25	-13.00	70.25	Vertical
309.700000	-84.74	-13.00	71.74	Vertical
1654.000000	-64.55	-13.00	51.55	Vertical
2662.000000	-57.21	-13.00	44.21	Vertical
4300.162500	-66.05	-13.00	53.05	Vertical
63.300000	-75.92	-13.00	62.92	Horizontal
134.700000	-86.72	-13.00	73.72	Horizontal
280.750000	-86.01	-13.00	73.01	Horizontal
1623.500000	-65.02	-13.00	52.02	Horizontal
2693.500000	-57.20	-13.00	44.20	Horizontal
4394.737500	-65.76	-13.00	52.76	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. Test Band = WCDMA Band II(ANT3)

7.4.1. Test Mode = WCDMA/TM1

7.4.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
64.600000	-79.23	-13.00	66.23	Vertical
104.250000	-79.22	-13.00	66.22	Vertical
433.950000	-79.95	-13.00	66.95	Vertical
4127.587500	-65.83	-13.00	52.83	Vertical
6499.762500	-63.39	-13.00	50.39	Vertical
9266.812500	-60.74	-13.00	47.74	Vertical
62.650000	-75.81	-13.00	62.81	Horizontal
134.900000	-82.57	-13.00	69.57	Horizontal
271.350000	-83.59	-13.00	70.59	Horizontal
3706.387500	-64.45	-13.00	51.45	Horizontal
6058.087500	-63.64	-13.00	50.64	Horizontal
9239.512500	-60.55	-13.00	47.55	Horizontal





7.4.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
63.800000	-79.83	-13.00	66.83	Vertical
104.250000	-79.82	-13.00	66.82	Vertical
341.150000	-84.10	-13.00	71.10	Vertical
4316.737500	-65.36	-13.00	52.36	Vertical
5638.350000	-63.41	-13.00	50.41	Vertical
9103.500000	-61.52	-13.00	48.52	Vertical
61.950000	-75.38	-13.00	62.38	Horizontal
134.900000	-82.79	-13.00	69.79	Horizontal
276.000000	-83.40	-13.00	70.40	Horizontal
3760.987500	-63.40	-13.00	50.40	Horizontal
6065.887500	-63.38	-13.00	50.38	Horizontal
9713.850000	-61.82	-13.00	48.82	Horizontal

7.4.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
63.250000	-80.57	-13.00	67.57	Vertical
104.250000	-80.31	-13.00	67.31	Vertical
330.600000	-84.36	-13.00	71.36	Vertical
3816.562500	-65.06	-13.00	52.06	Vertical
5725.612500	-60.73	-13.00	47.73	Vertical
9217.575000	-61.33	-13.00	48.33	Vertical
62.650000	-75.41	-13.00	62.41	Horizontal
159.450000	-82.54	-13.00	69.54	Horizontal
298.900000	-83.60	-13.00	70.61	Horizontal
3817.050000	-60.24	-13.00	47.24	Horizontal
5719.275000	-63.70	-13.00	50.70	Horizontal
9249.262500	-61.13	-13.00	48.13	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



7.5. Test Band = WCDMA Band IV(ANT3)

7.5.1. Test Mode = WCDMA/TM1

7.5.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
54.950000	-77.48	-13.00	64.48	Vertical
104.250000	-79.85	-13.00	66.85	Vertical
317.000000	-83.25	-13.00	70.25	Vertical
4359.637500	-65.32	-13.00	52.32	Vertical
6158.025000	-63.46	-13.00	50.46	Vertical
8557.500000	-59.58	-13.00	46.58	Vertical
56.000000	-75.14	-13.00	62.14	Horizontal
89.550000	-78.85	-13.00	65.85	Horizontal
189.450000	-83.58	-13.00	70.58	Horizontal
3819.487500	-65.81	-13.00	52.81	Horizontal
6044.925000	-63.85	-13.00	50.85	Horizontal
10617.675000	-60.95	-13.00	47.95	Horizontal





7.5.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
55.000000	-78.03	-13.00	65.03	Vertical
104.300000	-77.96	-13.00	64.96	Vertical
330.100000	-82.89	-13.00	69.89	Vertical
4298.212500	-65.37	-13.00	52.37	Vertical
8657.437500	-61.10	-13.00	48.10	Vertical
11893.462500	-60.35	-13.00	47.35	Vertical
62.650000	-75.45	-13.00	62.45	Horizontal
90.400000	-77.26	-13.00	64.26	Horizontal
195.800000	-82.03	-13.00	69.03	Horizontal
4452.750000	-65.03	-13.00	52.03	Horizontal
6190.200000	-63.44	-13.00	50.44	Horizontal
10634.737500	-61.07	-13.00	48.07	Horizontal

7.5.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
55.000000	-77.78	-13.00	64.78	Vertical
104.300000	-79.18	-13.00	66.18	Vertical
336.700000	-83.68	-13.00	70.68	Vertical
4427.400000	-65.05	-13.00	52.05	Vertical
6474.900000	-63.43	-13.00	50.43	Vertical
9268.762500	-61.38	-13.00	48.38	Vertical
62.700000	-75.87	-13.00	62.87	Horizontal
104.300000	-81.84	-13.00	68.84	Horizontal
190.950000	-86.07	-13.00	73.07	Horizontal
4319.175000	-64.75	-13.00	51.75	Horizontal
6042.000000	-63.78	-13.00	50.78	Horizontal
9247.800000	-61.02	-13.00	48.02	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. Test Band = WCDMA Band V(ANT0)**7.6.1. Test Mode = WCDMA/TM1****7.6.1.1. Test Channel = LCH**

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
64.750000	-79.33	-13.00	66.33	Vertical
104.300000	-78.76	-13.00	65.76	Vertical
336.300000	-82.30	-13.00	69.30	Vertical
1575.000000	-65.74	-13.00	52.74	Vertical
2560.000000	-58.71	-13.00	45.71	Vertical
4399.612500	-65.48	-13.00	52.48	Vertical
62.250000	-75.05	-13.00	62.05	Horizontal
104.300000	-81.15	-13.00	68.15	Horizontal
255.650000	-85.30	-13.00	72.30	Horizontal
1473.500000	-65.40	-13.00	52.40	Horizontal
2690.000000	-57.19	-13.00	44.19	Horizontal
4341.600000	-65.36	-13.00	52.36	Horizontal





7.6.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
63.550000	-79.93	-13.00	66.93	Vertical
104.300000	-79.27	-13.00	66.27	Vertical
329.400000	-82.99	-13.00	69.99	Vertical
1654.500000	-64.61	-13.00	51.61	Vertical
2511.500000	-57.98	-13.00	44.98	Vertical
6058.087500	-63.71	-13.00	50.71	Vertical
62.750000	-75.70	-13.00	62.70	Horizontal
104.250000	-82.70	-13.00	69.70	Horizontal
261.400000	-84.90	-13.00	71.90	Horizontal
1516.000000	-65.37	-13.00	52.37	Horizontal
2512.000000	-57.59	-13.00	44.59	Horizontal
4366.950000	-64.86	-13.00	51.86	Horizontal

7.6.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
65.250000	-80.22	-13.00	67.22	Vertical
104.300000	-79.38	-13.00	66.38	Vertical
330.350000	-83.01	-13.00	70.01	Vertical
1625.000000	-64.95	-13.00	51.95	Vertical
2542.500000	-54.49	-13.00	41.49	Vertical
4308.450000	-65.54	-13.00	52.54	Vertical
62.350000	-75.32	-13.00	62.32	Horizontal
134.650000	-83.55	-13.00	70.55	Horizontal
260.900000	-84.73	-13.00	71.73	Horizontal
1455.500000	-65.78	-13.00	52.78	Horizontal
2619.000000	-53.27	-13.00	40.27	Horizontal
4391.812500	-65.39	-13.00	52.39	Horizontal

Remark:

- 1 According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions



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

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (Testing Center) CCC Laboratory

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

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.





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	12.26	0.006618	±2.5	PASS
Band2	9262	VN	NT	11.20	0.006046	±2.5	PASS
Band2	9262	VH	NT	12.68	0.006845	±2.5	PASS
Band2	9400	VL	NT	11.89	0.006324	±2.5	PASS
Band2	9400	VN	NT	11.99	0.006378	±2.5	PASS
Band2	9400	VH	NT	11.59	0.006165	±2.5	PASS
Band2	9538	VL	NT	10.26	0.005378	±2.5	PASS
Band2	9538	VN	NT	10.14	0.005316	±2.5	PASS
Band2	9538	VH	NT	10.50	0.005504	±2.5	PASS
Band4	1312	VL	NT	3.19	0.001863	±2.5	PASS
Band4	1312	VN	NT	3.03	0.001769	±2.5	PASS
Band4	1312	VH	NT	3.50	0.002044	±2.5	PASS
Band4	1413	VL	NT	-11.37	-0.006562	±2.5	PASS
Band4	1413	VN	NT	-11.38	-0.006568	±2.5	PASS
Band4	1413	VH	NT	-11.57	-0.006678	±2.5	PASS
Band4	1513	VL	NT	2.39	0.001364	±2.5	PASS
Band4	1513	VN	NT	2.59	0.001478	±2.5	PASS
Band4	1513	VH	NT	2.80	0.001598	±2.5	PASS
Band5	4132	VL	NT	0.22	0.000266	±2.5	PASS
Band5	4132	VN	NT	-0.01	-0.000012	±2.5	PASS
Band5	4132	VH	NT	0.24	0.000290	±2.5	PASS
Band5	4182	VL	NT	-0.11	-0.000132	±2.5	PASS
Band5	4182	VN	NT	-0.03	-0.000036	±2.5	PASS
Band5	4182	VH	NT	-0.13	-0.000155	±2.5	PASS
Band5	4233	VL	NT	0.14	0.000165	±2.5	PASS
Band5	4233	VN	NT	0.17	0.000201	±2.5	PASS
Band5	4233	VH	NT	0.15	0.000177	±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	12.55	0.006775	±2.5	PASS
Band2	9262	NV	-20	12.56	0.006780	±2.5	PASS
Band2	9262	NV	-10	12.72	0.006867	±2.5	PASS
Band2	9262	NV	0	12.57	0.006786	±2.5	PASS
Band2	9262	NV	10	12.60	0.006802	±2.5	PASS
Band2	9262	NV	20	12.69	0.006851	±2.5	PASS
Band2	9262	NV	30	12.63	0.006818	±2.5	PASS
Band2	9262	NV	40	12.62	0.006813	±2.5	PASS
Band2	9262	NV	50	12.84	0.006932	±2.5	PASS
Band2	9400	NV	-30	11.72	0.006234	±2.5	PASS
Band2	9400	NV	-20	11.82	0.006287	±2.5	PASS
Band2	9400	NV	-10	11.67	0.006207	±2.5	PASS
Band2	9400	NV	0	11.54	0.006138	±2.5	PASS
Band2	9400	NV	10	11.82	0.006287	±2.5	PASS
Band2	9400	NV	20	11.40	0.006064	±2.5	PASS
Band2	9400	NV	30	11.65	0.006197	±2.5	PASS
Band2	9400	NV	40	11.83	0.006293	±2.5	PASS
Band2	9400	NV	50	12.03	0.006399	±2.5	PASS
Band2	9538	NV	-30	10.15	0.005321	±2.5	PASS
Band2	9538	NV	-20	10.59	0.005551	±2.5	PASS
Band2	9538	NV	-10	9.94	0.005211	±2.5	PASS
Band2	9538	NV	0	10.20	0.005347	±2.5	PASS
Band2	9538	NV	10	10.48	0.005494	±2.5	PASS
Band2	9538	NV	20	10.34	0.005420	±2.5	PASS
Band2	9538	NV	30	10.36	0.005431	±2.5	PASS
Band2	9538	NV	40	10.03	0.005258	±2.5	PASS
Band2	9538	NV	50	10.23	0.005363	±2.5	PASS
Band4	1312	NV	-30	3.73	0.002178	±2.5	PASS
Band4	1312	NV	-20	4.37	0.002552	±2.5	PASS
Band4	1312	NV	-10	4.33	0.002529	±2.5	PASS
Band4	1312	NV	0	4.52	0.002640	±2.5	PASS
Band4	1312	NV	10	4.56	0.002663	±2.5	PASS
Band4	1312	NV	20	4.79	0.002797	±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 and certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (CSTC) Laboratory

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



Band4	1312	NV	30	5.14	0.003002	±2.5	PASS
Band4	1312	NV	40	5.10	0.002978	±2.5	PASS
Band4	1312	NV	50	4.86	0.002838	±2.5	PASS
Band4	1413	NV	-30	-11.30	-0.006522	±2.5	PASS
Band4	1413	NV	-20	-11.41	-0.006585	±2.5	PASS
Band4	1413	NV	-10	-11.54	-0.006661	±2.5	PASS
Band4	1413	NV	0	-11.39	-0.006574	±2.5	PASS
Band4	1413	NV	10	-11.64	-0.006718	±2.5	PASS
Band4	1413	NV	20	-11.52	-0.006649	±2.5	PASS
Band4	1413	NV	30	-11.37	-0.006562	±2.5	PASS
Band4	1413	NV	40	-11.44	-0.006603	±2.5	PASS
Band4	1413	NV	50	-11.54	-0.006661	±2.5	PASS
Band4	1513	NV	-30	2.50	0.001426	±2.5	PASS
Band4	1513	NV	-20	2.45	0.001398	±2.5	PASS
Band4	1513	NV	-10	2.80	0.001598	±2.5	PASS
Band4	1513	NV	0	2.72	0.001552	±2.5	PASS
Band4	1513	NV	10	2.70	0.001541	±2.5	PASS
Band4	1513	NV	20	2.28	0.001301	±2.5	PASS
Band4	1513	NV	30	2.47	0.001409	±2.5	PASS
Band4	1513	NV	40	2.30	0.001312	±2.5	PASS
Band4	1513	NV	50	2.40	0.001369	±2.5	PASS
Band5	4132	NV	-30	0.16	0.000194	±2.5	PASS
Band5	4132	NV	-20	0.25	0.000303	±2.5	PASS
Band5	4132	NV	-10	0.26	0.000315	±2.5	PASS
Band5	4132	NV	0	0.13	0.000157	±2.5	PASS
Band5	4132	NV	10	0.23	0.000278	±2.5	PASS
Band5	4132	NV	20	0.41	0.000496	±2.5	PASS
Band5	4132	NV	30	0.23	0.000278	±2.5	PASS
Band5	4132	NV	40	0.42	0.000508	±2.5	PASS
Band5	4132	NV	50	0.26	0.000315	±2.5	PASS
Band5	4182	NV	-30	-0.26	-0.000311	±2.5	PASS
Band5	4182	NV	-20	-0.34	-0.000407	±2.5	PASS
Band5	4182	NV	-10	-0.26	-0.000311	±2.5	PASS
Band5	4182	NV	0	-0.24	-0.000287	±2.5	PASS
Band5	4182	NV	10	-0.29	-0.000347	±2.5	PASS
Band5	4182	NV	20	-0.13	-0.000155	±2.5	PASS
Band5	4182	NV	30	-0.25	-0.000299	±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

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (CSTC) Laboratory

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



Band5	4182	NV	40	-0.27	-0.000323	±2.5	PASS
Band5	4182	NV	50	-0.38	-0.000454	±2.5	PASS
Band5	4233	NV	-30	0.15	0.000177	±2.5	PASS
Band5	4233	NV	-20	0.05	0.000059	±2.5	PASS
Band5	4233	NV	-10	0.07	0.000083	±2.5	PASS
Band5	4233	NV	0	0.02	0.000024	±2.5	PASS
Band5	4233	NV	10	0.02	0.000024	±2.5	PASS
Band5	4233	NV	20	0.07	0.000083	±2.5	PASS
Band5	4233	NV	30	0.27	0.000319	±2.5	PASS
Band5	4233	NV	40	0.14	0.000165	±2.5	PASS
Band5	4233	NV	50	0.05	0.000059	±2.5	PASS

The End

