



# Appendix B

## E-UTRA Band 41



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](mailto:CN.Doccheck@sgs.com)



## CONTENT

|                                                      |           |
|------------------------------------------------------|-----------|
| <b>1 EFFECTIVE (ISOTROPIC) RADIATED POWER.....</b>   | <b>4</b>  |
| 1.1. TEST RESULT FOR DOWN ANT.....                   | 4         |
| 1.2. TEST RESULT FOR UP ANT.....                     | 11        |
| <b>2. PEAK-TO-AVERAGE RATIO (CCDF).....</b>          | <b>20</b> |
| 2.1. TEST RESULT.....                                | 20        |
| 2.2. TEST PLOTS.....                                 | 20        |
| <b>3. MODULATION CHARACTERISTICS.....</b>            | <b>25</b> |
| 3.1. TEST MODE = LTE /TM1 20MHZ.....                 | 25        |
| 3.1.1. TEST CHANNEL = MCH.....                       | 25        |
| 3.2. TEST MODE = LTE /TM2 20MHZ.....                 | 26        |
| 3.2.1. TEST CHANNEL = MCH.....                       | 26        |
| 3.3. TEST MODE = LTE /TM3 20MHZ.....                 | 27        |
| 3.3.1. TEST CHANNEL = MCH.....                       | 27        |
| <b>4. 26DB BANDWIDTH AND OCCUPIED BANDWIDTH.....</b> | <b>28</b> |
| 4.1. TEST RESULT.....                                | 28        |
| 4.2. TEST PLOTS.....                                 | 29        |
| <b>5. BAND EDGE COMPLIANCE.....</b>                  | <b>47</b> |
| 5.1. TEST PLOTS.....                                 | 47        |
| <b>6. SPURIOUS EMISSION AT ANTENNA TERMINAL.....</b> | <b>71</b> |
| 6.1. TEST PLOTS.....                                 | 71        |
| <b>7. FIELD STRENGTH OF SPURIOUS RADIATION.....</b>  | <b>80</b> |
| 7.1. TEST MODE =LTE/TM1 (DOWN ANT).....              | 80        |
| 7.1.1. TEST CHANNEL = LCH.....                       | 80        |
| 7.1.2. TEST CHANNEL = MCH.....                       | 80        |
| 7.1.3. TEST CHANNEL = HCH.....                       | 81        |
| 7.2. TEST MODE =LTE/TM1 (UP ANT).....                | 81        |
| 7.2.1. TEST CHANNEL = LCH.....                       | 81        |
| 7.2.2. TEST CHANNEL = MCH.....                       | 81        |
| 7.2.3. TEST CHANNEL = HCH.....                       | 82        |



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](mailto:CN.Doccheck@sgs.com)



|                                    |    |
|------------------------------------|----|
| 8. FREQUENCY STABILITY.....        | 83 |
| 8.1. FREQUENCY VS VOLTAGE.....     | 83 |
| 8.2. FREQUENCY VS TEMPERATURE..... | 83 |



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](mailto:CN.Doccheck@sgs.com)



## 1 Effective (Isotropic) Radiated Power

### 1.1. Test Result for Down Ant

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Conducted Power(dBm) | EIRP (dBm) | Limit (dBm) | Verdict |
|--------|-----------|------------|---------|------------------|----------------------|------------|-------------|---------|
| Band41 | 5MHz      | QPSK       | 39675   | 1RB#0            | 23.18                | 24.88      | 33.00       | PASS    |
| Band41 | 5MHz      | QPSK       | 39675   | 1RB#12           | 23.17                | 24.87      | 33.00       | PASS    |
| Band41 | 5MHz      | QPSK       | 39675   | 1RB#24           | 23.09                | 24.79      | 33.00       | PASS    |
| Band41 | 5MHz      | QPSK       | 39675   | 12RB#6           | 22.13                | 23.83      | 33.00       | PASS    |
| Band41 | 5MHz      | QPSK       | 39675   | 12RB#0           | 22.16                | 23.86      | 33.00       | PASS    |
| Band41 | 5MHz      | QPSK       | 39675   | 12RB#13          | 22.15                | 23.85      | 33.00       | PASS    |
| Band41 | 5MHz      | QPSK       | 39675   | 25RB#0           | 22.20                | 23.90      | 33.00       | PASS    |
| Band41 | 5MHz      | QPSK       | 40620   | 1RB#24           | 23.03                | 24.73      | 33.00       | PASS    |
| Band41 | 5MHz      | QPSK       | 40620   | 1RB#0            | 23.15                | 24.85      | 33.00       | PASS    |
| Band41 | 5MHz      | QPSK       | 40620   | 1RB#12           | 23.02                | 24.72      | 33.00       | PASS    |
| Band41 | 5MHz      | QPSK       | 40620   | 12RB#0           | 22.08                | 23.78      | 33.00       | PASS    |
| Band41 | 5MHz      | QPSK       | 40620   | 12RB#6           | 22.14                | 23.84      | 33.00       | PASS    |
| Band41 | 5MHz      | QPSK       | 40620   | 12RB#13          | 22.17                | 23.87      | 33.00       | PASS    |
| Band41 | 5MHz      | QPSK       | 40620   | 25RB#0           | 22.08                | 23.78      | 33.00       | PASS    |
| Band41 | 5MHz      | QPSK       | 41565   | 1RB#12           | 23.10                | 24.80      | 33.00       | PASS    |
| Band41 | 5MHz      | QPSK       | 41565   | 1RB#0            | 23.13                | 24.83      | 33.00       | PASS    |
| Band41 | 5MHz      | QPSK       | 41565   | 1RB#24           | 23.01                | 24.71      | 33.00       | PASS    |
| Band41 | 5MHz      | QPSK       | 41565   | 12RB#13          | 22.05                | 23.75      | 33.00       | PASS    |
| Band41 | 5MHz      | QPSK       | 41565   | 12RB#6           | 22.16                | 23.86      | 33.00       | PASS    |
| Band41 | 5MHz      | QPSK       | 41565   | 12RB#0           | 22.11                | 23.81      | 33.00       | PASS    |
| Band41 | 5MHz      | QPSK       | 41565   | 25RB#0           | 22.00                | 23.70      | 33.00       | PASS    |
| Band41 | 5MHz      | 64QAM      | 39675   | 1RB#24           | 21.22                | 22.92      | 33.00       | PASS    |
| Band41 | 5MHz      | 64QAM      | 39675   | 1RB#12           | 21.12                | 22.82      | 33.00       | PASS    |
| Band41 | 5MHz      | 64QAM      | 39675   | 1RB#0            | 21.06                | 22.76      | 33.00       | PASS    |
| Band41 | 5MHz      | 64QAM      | 39675   | 12RB#13          | 20.26                | 21.96      | 33.00       | PASS    |
| Band41 | 5MHz      | 64QAM      | 39675   | 12RB#6           | 20.26                | 21.96      | 33.00       | PASS    |
| Band41 | 5MHz      | 64QAM      | 39675   | 12RB#0           | 20.25                | 21.95      | 33.00       | PASS    |



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

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



|        |      |       |       |         |       |       |       |      |
|--------|------|-------|-------|---------|-------|-------|-------|------|
| Band41 | 5MHz | 64QAM | 39675 | 25RB#0  | 20.34 | 22.04 | 33.00 | PASS |
| Band41 | 5MHz | 64QAM | 40620 | 1RB#24  | 21.11 | 22.81 | 33.00 | PASS |
| Band41 | 5MHz | 64QAM | 40620 | 1RB#12  | 21.25 | 22.95 | 33.00 | PASS |
| Band41 | 5MHz | 64QAM | 40620 | 1RB#0   | 21.08 | 22.78 | 33.00 | PASS |
| Band41 | 5MHz | 64QAM | 40620 | 12RB#0  | 21.16 | 22.86 | 33.00 | PASS |
| Band41 | 5MHz | 64QAM | 40620 | 12RB#13 | 20.25 | 21.95 | 33.00 | PASS |
| Band41 | 5MHz | 64QAM | 40620 | 12RB#6  | 20.31 | 22.01 | 33.00 | PASS |
| Band41 | 5MHz | 64QAM | 40620 | 25RB#0  | 20.27 | 21.97 | 33.00 | PASS |
| Band41 | 5MHz | 64QAM | 41565 | 1RB#12  | 21.07 | 22.77 | 33.00 | PASS |
| Band41 | 5MHz | 64QAM | 41565 | 1RB#0   | 21.23 | 22.93 | 33.00 | PASS |
| Band41 | 5MHz | 64QAM | 41565 | 1RB#24  | 21.11 | 22.81 | 33.00 | PASS |
| Band41 | 5MHz | 64QAM | 41565 | 12RB#13 | 21.17 | 22.87 | 33.00 | PASS |
| Band41 | 5MHz | 64QAM | 41565 | 12RB#6  | 20.37 | 22.07 | 33.00 | PASS |
| Band41 | 5MHz | 64QAM | 41565 | 12RB#0  | 20.33 | 22.03 | 33.00 | PASS |
| Band41 | 5MHz | 64QAM | 41565 | 25RB#0  | 20.37 | 22.07 | 33.00 | PASS |
| Band41 | 5MHz | 16QAM | 39675 | 1RB#0   | 22.25 | 23.95 | 33.00 | PASS |
| Band41 | 5MHz | 16QAM | 39675 | 1RB#24  | 22.26 | 23.96 | 33.00 | PASS |
| Band41 | 5MHz | 16QAM | 39675 | 1RB#12  | 22.30 | 24.00 | 33.00 | PASS |
| Band41 | 5MHz | 16QAM | 39675 | 12RB#13 | 21.15 | 22.85 | 33.00 | PASS |
| Band41 | 5MHz | 16QAM | 39675 | 12RB#6  | 21.17 | 22.87 | 33.00 | PASS |
| Band41 | 5MHz | 16QAM | 39675 | 12RB#0  | 21.16 | 22.86 | 33.00 | PASS |
| Band41 | 5MHz | 16QAM | 39675 | 25RB#0  | 21.16 | 22.86 | 33.00 | PASS |
| Band41 | 5MHz | 16QAM | 40620 | 1RB#12  | 22.15 | 23.85 | 33.00 | PASS |
| Band41 | 5MHz | 16QAM | 40620 | 1RB#24  | 22.31 | 24.01 | 33.00 | PASS |
| Band41 | 5MHz | 16QAM | 40620 | 1RB#0   | 22.21 | 23.91 | 33.00 | PASS |
| Band41 | 5MHz | 16QAM | 40620 | 12RB#0  | 21.07 | 22.77 | 33.00 | PASS |
| Band41 | 5MHz | 16QAM | 40620 | 12RB#6  | 21.12 | 22.82 | 33.00 | PASS |
| Band41 | 5MHz | 16QAM | 40620 | 12RB#13 | 21.16 | 22.86 | 33.00 | PASS |
| Band41 | 5MHz | 16QAM | 40620 | 25RB#0  | 21.11 | 22.81 | 33.00 | PASS |
| Band41 | 5MHz | 16QAM | 41565 | 1RB#24  | 22.17 | 23.87 | 33.00 | PASS |
| Band41 | 5MHz | 16QAM | 41565 | 1RB#12  | 22.23 | 23.93 | 33.00 | PASS |
| Band41 | 5MHz | 16QAM | 41565 | 1RB#0   | 22.14 | 23.84 | 33.00 | PASS |
| Band41 | 5MHz | 16QAM | 41565 | 12RB#13 | 21.08 | 22.78 | 33.00 | PASS |



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



|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band41 | 5MHz  | 16QAM | 41565 | 12RB#6  | 21.18 | 22.88 | 33.00 | PASS |
| Band41 | 5MHz  | 16QAM | 41565 | 12RB#0  | 21.03 | 22.73 | 33.00 | PASS |
| Band41 | 5MHz  | 16QAM | 41565 | 25RB#0  | 21.07 | 22.77 | 33.00 | PASS |
| Band41 | 10MHz | QPSK  | 39700 | 1RB#49  | 22.90 | 24.60 | 33.00 | PASS |
| Band41 | 10MHz | QPSK  | 39700 | 1RB#24  | 23.01 | 24.71 | 33.00 | PASS |
| Band41 | 10MHz | QPSK  | 39700 | 1RB#0   | 22.79 | 24.49 | 33.00 | PASS |
| Band41 | 10MHz | QPSK  | 39700 | 25RB#12 | 22.15 | 23.85 | 33.00 | PASS |
| Band41 | 10MHz | QPSK  | 39700 | 25RB#0  | 22.17 | 23.87 | 33.00 | PASS |
| Band41 | 10MHz | QPSK  | 39700 | 25RB#25 | 22.13 | 23.83 | 33.00 | PASS |
| Band41 | 10MHz | QPSK  | 39700 | 50RB#0  | 22.15 | 23.85 | 33.00 | PASS |
| Band41 | 10MHz | QPSK  | 40620 | 1RB#24  | 22.93 | 24.63 | 33.00 | PASS |
| Band41 | 10MHz | QPSK  | 40620 | 1RB#49  | 23.03 | 24.73 | 33.00 | PASS |
| Band41 | 10MHz | QPSK  | 40620 | 1RB#0   | 22.84 | 24.54 | 33.00 | PASS |
| Band41 | 10MHz | QPSK  | 40620 | 25RB#25 | 22.08 | 23.78 | 33.00 | PASS |
| Band41 | 10MHz | QPSK  | 40620 | 25RB#0  | 22.07 | 23.77 | 33.00 | PASS |
| Band41 | 10MHz | QPSK  | 40620 | 25RB#12 | 22.14 | 23.84 | 33.00 | PASS |
| Band41 | 10MHz | QPSK  | 40620 | 50RB#0  | 22.13 | 23.83 | 33.00 | PASS |
| Band41 | 10MHz | QPSK  | 41540 | 1RB#49  | 22.93 | 24.63 | 33.00 | PASS |
| Band41 | 10MHz | QPSK  | 41540 | 1RB#24  | 22.97 | 24.67 | 33.00 | PASS |
| Band41 | 10MHz | QPSK  | 41540 | 1RB#0   | 22.94 | 24.64 | 33.00 | PASS |
| Band41 | 10MHz | QPSK  | 41540 | 25RB#25 | 22.11 | 23.81 | 33.00 | PASS |
| Band41 | 10MHz | QPSK  | 41540 | 25RB#0  | 22.08 | 23.78 | 33.00 | PASS |
| Band41 | 10MHz | QPSK  | 41540 | 25RB#12 | 22.14 | 23.84 | 33.00 | PASS |
| Band41 | 10MHz | QPSK  | 41540 | 50RB#0  | 22.02 | 23.72 | 33.00 | PASS |
| Band41 | 10MHz | 64QAM | 39700 | 1RB#24  | 20.57 | 22.27 | 33.00 | PASS |
| Band41 | 10MHz | 64QAM | 39700 | 1RB#49  | 20.34 | 22.04 | 33.00 | PASS |
| Band41 | 10MHz | 64QAM | 39700 | 1RB#0   | 20.25 | 21.95 | 33.00 | PASS |
| Band41 | 10MHz | 64QAM | 39700 | 25RB#0  | 20.30 | 22.00 | 33.00 | PASS |
| Band41 | 10MHz | 64QAM | 39700 | 25RB#12 | 20.36 | 22.06 | 33.00 | PASS |
| Band41 | 10MHz | 64QAM | 39700 | 25RB#25 | 20.29 | 21.99 | 33.00 | PASS |
| Band41 | 10MHz | 64QAM | 39700 | 50RB#0  | 20.34 | 22.04 | 33.00 | PASS |
| Band41 | 10MHz | 64QAM | 40620 | 1RB#49  | 21.18 | 22.88 | 33.00 | PASS |
| Band41 | 10MHz | 64QAM | 40620 | 1RB#0   | 20.39 | 22.09 | 33.00 | PASS |



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



|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band41 | 10MHz | 64QAM | 40620 | 1RB#24  | 20.25 | 21.95 | 33.00 | PASS |
| Band41 | 10MHz | 64QAM | 40620 | 25RB#0  | 20.19 | 21.89 | 33.00 | PASS |
| Band41 | 10MHz | 64QAM | 40620 | 25RB#12 | 20.32 | 22.02 | 33.00 | PASS |
| Band41 | 10MHz | 64QAM | 40620 | 25RB#25 | 20.28 | 21.98 | 33.00 | PASS |
| Band41 | 10MHz | 64QAM | 40620 | 50RB#0  | 20.31 | 22.01 | 33.00 | PASS |
| Band41 | 10MHz | 64QAM | 41540 | 1RB#0   | 21.07 | 22.77 | 33.00 | PASS |
| Band41 | 10MHz | 64QAM | 41540 | 1RB#49  | 21.12 | 22.82 | 33.00 | PASS |
| Band41 | 10MHz | 64QAM | 41540 | 1RB#24  | 21.04 | 22.74 | 33.00 | PASS |
| Band41 | 10MHz | 64QAM | 41540 | 25RB#25 | 21.11 | 22.81 | 33.00 | PASS |
| Band41 | 10MHz | 64QAM | 41540 | 25RB#0  | 20.25 | 21.95 | 33.00 | PASS |
| Band41 | 10MHz | 64QAM | 41540 | 25RB#12 | 20.34 | 22.04 | 33.00 | PASS |
| Band41 | 10MHz | 64QAM | 41540 | 50RB#0  | 20.37 | 22.07 | 33.00 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 1RB#0   | 22.31 | 24.01 | 33.00 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 1RB#24  | 22.13 | 23.83 | 33.00 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 1RB#49  | 22.21 | 23.91 | 33.00 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 25RB#12 | 21.20 | 22.90 | 33.00 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 25RB#0  | 21.19 | 22.89 | 33.00 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 25RB#25 | 21.00 | 22.70 | 33.00 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 50RB#0  | 21.26 | 22.96 | 33.00 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 1RB#0   | 22.18 | 23.88 | 33.00 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 1RB#49  | 22.20 | 23.90 | 33.00 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 1RB#24  | 22.17 | 23.87 | 33.00 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 25RB#0  | 21.01 | 22.71 | 33.00 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 25RB#25 | 21.10 | 22.80 | 33.00 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 25RB#12 | 21.17 | 22.87 | 33.00 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 50RB#0  | 21.18 | 22.88 | 33.00 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 1RB#0   | 22.32 | 24.02 | 33.00 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 1RB#49  | 22.18 | 23.88 | 33.00 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 1RB#24  | 22.19 | 23.89 | 33.00 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 25RB#0  | 21.10 | 22.80 | 33.00 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 25RB#12 | 21.11 | 22.81 | 33.00 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 25RB#25 | 21.06 | 22.76 | 33.00 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 50RB#0  | 21.07 | 22.77 | 33.00 | PASS |





|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band41 | 15MHz | QPSK  | 39725 | 1RB#74  | 23.36 | 25.06 | 33.00 | PASS |
| Band41 | 15MHz | QPSK  | 39725 | 1RB#38  | 23.04 | 24.74 | 33.00 | PASS |
| Band41 | 15MHz | QPSK  | 39725 | 1RB#0   | 23.19 | 24.89 | 33.00 | PASS |
| Band41 | 15MHz | QPSK  | 39725 | 36RB#39 | 22.24 | 23.94 | 33.00 | PASS |
| Band41 | 15MHz | QPSK  | 39725 | 36RB#18 | 22.34 | 24.04 | 33.00 | PASS |
| Band41 | 15MHz | QPSK  | 39725 | 36RB#0  | 22.29 | 23.99 | 33.00 | PASS |
| Band41 | 15MHz | QPSK  | 39725 | 75RB#0  | 22.35 | 24.05 | 33.00 | PASS |
| Band41 | 15MHz | QPSK  | 40620 | 1RB#0   | 23.31 | 25.01 | 33.00 | PASS |
| Band41 | 15MHz | QPSK  | 40620 | 1RB#38  | 23.13 | 24.83 | 33.00 | PASS |
| Band41 | 15MHz | QPSK  | 40620 | 1RB#74  | 23.26 | 24.96 | 33.00 | PASS |
| Band41 | 15MHz | QPSK  | 40620 | 36RB#0  | 22.31 | 24.01 | 33.00 | PASS |
| Band41 | 15MHz | QPSK  | 40620 | 36RB#18 | 22.28 | 23.98 | 33.00 | PASS |
| Band41 | 15MHz | QPSK  | 40620 | 36RB#39 | 22.37 | 24.07 | 33.00 | PASS |
| Band41 | 15MHz | QPSK  | 40620 | 75RB#0  | 22.36 | 24.06 | 33.00 | PASS |
| Band41 | 15MHz | QPSK  | 41515 | 1RB#0   | 23.25 | 24.95 | 33.00 | PASS |
| Band41 | 15MHz | QPSK  | 41515 | 1RB#38  | 23.18 | 24.88 | 33.00 | PASS |
| Band41 | 15MHz | QPSK  | 41515 | 1RB#74  | 23.14 | 24.84 | 33.00 | PASS |
| Band41 | 15MHz | QPSK  | 41515 | 36RB#0  | 22.25 | 23.95 | 33.00 | PASS |
| Band41 | 15MHz | QPSK  | 41515 | 36RB#18 | 22.26 | 23.96 | 33.00 | PASS |
| Band41 | 15MHz | QPSK  | 41515 | 36RB#39 | 22.28 | 23.98 | 33.00 | PASS |
| Band41 | 15MHz | QPSK  | 41515 | 75RB#0  | 22.17 | 23.87 | 33.00 | PASS |
| Band41 | 15MHz | 64QAM | 39725 | 1RB#74  | 21.18 | 22.88 | 33.00 | PASS |
| Band41 | 15MHz | 64QAM | 39725 | 1RB#38  | 21.10 | 22.80 | 33.00 | PASS |
| Band41 | 15MHz | 64QAM | 39725 | 1RB#0   | 20.94 | 22.64 | 33.00 | PASS |
| Band41 | 15MHz | 64QAM | 39725 | 36RB#0  | 20.24 | 21.94 | 33.00 | PASS |
| Band41 | 15MHz | 64QAM | 39725 | 36RB#18 | 20.28 | 21.98 | 33.00 | PASS |
| Band41 | 15MHz | 64QAM | 39725 | 36RB#39 | 20.26 | 21.96 | 33.00 | PASS |
| Band41 | 15MHz | 64QAM | 39725 | 75RB#0  | 20.31 | 22.01 | 33.00 | PASS |
| Band41 | 15MHz | 64QAM | 40620 | 1RB#38  | 21.32 | 23.02 | 33.00 | PASS |
| Band41 | 15MHz | 64QAM | 40620 | 1RB#74  | 21.02 | 22.72 | 33.00 | PASS |
| Band41 | 15MHz | 64QAM | 40620 | 1RB#0   | 21.18 | 22.88 | 33.00 | PASS |
| Band41 | 15MHz | 64QAM | 40620 | 36RB#39 | 21.11 | 22.81 | 33.00 | PASS |
| Band41 | 15MHz | 64QAM | 40620 | 36RB#0  | 20.29 | 21.99 | 33.00 | PASS |



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



|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band41 | 15MHz | 64QAM | 40620 | 36RB#18 | 20.19 | 21.89 | 33.00 | PASS |
| Band41 | 15MHz | 64QAM | 40620 | 75RB#0  | 20.27 | 21.97 | 33.00 | PASS |
| Band41 | 15MHz | 64QAM | 41515 | 1RB#0   | 21.29 | 22.99 | 33.00 | PASS |
| Band41 | 15MHz | 64QAM | 41515 | 1RB#38  | 21.18 | 22.88 | 33.00 | PASS |
| Band41 | 15MHz | 64QAM | 41515 | 1RB#74  | 21.10 | 22.80 | 33.00 | PASS |
| Band41 | 15MHz | 64QAM | 41515 | 36RB#18 | 20.82 | 22.52 | 33.00 | PASS |
| Band41 | 15MHz | 64QAM | 41515 | 36RB#0  | 20.21 | 21.91 | 33.00 | PASS |
| Band41 | 15MHz | 64QAM | 41515 | 36RB#39 | 20.36 | 22.06 | 33.00 | PASS |
| Band41 | 15MHz | 64QAM | 41515 | 75RB#0  | 20.29 | 21.99 | 33.00 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 1RB#38  | 22.48 | 24.18 | 33.00 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 1RB#0   | 22.22 | 23.92 | 33.00 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 1RB#74  | 22.34 | 24.04 | 33.00 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 36RB#0  | 21.35 | 23.05 | 33.00 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 36RB#39 | 21.24 | 22.94 | 33.00 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 36RB#18 | 21.18 | 22.88 | 33.00 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 75RB#0  | 21.31 | 23.01 | 33.00 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 1RB#38  | 22.55 | 24.25 | 33.00 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 1RB#74  | 22.27 | 23.97 | 33.00 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 1RB#0   | 22.29 | 23.99 | 33.00 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 36RB#0  | 21.33 | 23.03 | 33.00 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 36RB#18 | 21.29 | 22.99 | 33.00 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 36RB#39 | 21.28 | 22.98 | 33.00 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 75RB#0  | 21.32 | 23.02 | 33.00 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 1RB#0   | 22.54 | 24.24 | 33.00 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 1RB#38  | 22.29 | 23.99 | 33.00 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 1RB#74  | 22.37 | 24.07 | 33.00 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 36RB#0  | 21.34 | 23.04 | 33.00 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 36RB#18 | 21.24 | 22.94 | 33.00 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 36RB#39 | 21.26 | 22.96 | 33.00 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 75RB#0  | 21.29 | 22.99 | 33.00 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | 1RB#0   | 23.31 | 25.01 | 33.00 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | 1RB#49  | 23.21 | 24.91 | 33.00 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | 1RB#99  | 23.14 | 24.84 | 33.00 | PASS |



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



|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band41 | 20MHz | QPSK  | 39750 | 50RB#25 | 22.36 | 24.06 | 33.00 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | 50RB#0  | 22.31 | 24.01 | 33.00 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | 50RB#50 | 22.30 | 24.00 | 33.00 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | 100RB#0 | 22.29 | 23.99 | 33.00 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | 1RB#99  | 23.23 | 24.93 | 33.00 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | 1RB#0   | 23.20 | 24.90 | 33.00 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | 1RB#49  | 23.27 | 24.97 | 33.00 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | 50RB#0  | 22.37 | 24.07 | 33.00 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | 50RB#25 | 22.32 | 24.02 | 33.00 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | 50RB#50 | 22.26 | 23.96 | 33.00 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | 100RB#0 | 22.26 | 23.96 | 33.00 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 1RB#49  | 23.38 | 25.08 | 33.00 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 1RB#0   | 23.15 | 24.85 | 33.00 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 1RB#99  | 23.23 | 24.93 | 33.00 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 50RB#25 | 22.39 | 24.09 | 33.00 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 50RB#0  | 22.30 | 24.00 | 33.00 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 50RB#50 | 22.25 | 23.95 | 33.00 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 100RB#0 | 22.38 | 24.08 | 33.00 | PASS |
| Band41 | 20MHz | 64QAM | 39750 | 1RB#0   | 21.50 | 23.20 | 33.00 | PASS |
| Band41 | 20MHz | 64QAM | 39750 | 1RB#49  | 21.30 | 23.00 | 33.00 | PASS |
| Band41 | 20MHz | 64QAM | 39750 | 1RB#99  | 21.58 | 23.28 | 33.00 | PASS |
| Band41 | 20MHz | 64QAM | 39750 | 50RB#50 | 20.33 | 22.03 | 33.00 | PASS |
| Band41 | 20MHz | 64QAM | 39750 | 50RB#0  | 20.29 | 21.99 | 33.00 | PASS |
| Band41 | 20MHz | 64QAM | 39750 | 50RB#25 | 20.36 | 22.06 | 33.00 | PASS |
| Band41 | 20MHz | 64QAM | 39750 | 100RB#0 | 20.31 | 22.01 | 33.00 | PASS |
| Band41 | 20MHz | 64QAM | 40620 | 1RB#0   | 21.42 | 23.12 | 33.00 | PASS |
| Band41 | 20MHz | 64QAM | 40620 | 1RB#49  | 21.24 | 22.94 | 33.00 | PASS |
| Band41 | 20MHz | 64QAM | 40620 | 1RB#99  | 21.26 | 22.96 | 33.00 | PASS |
| Band41 | 20MHz | 64QAM | 40620 | 50RB#0  | 21.13 | 22.83 | 33.00 | PASS |
| Band41 | 20MHz | 64QAM | 40620 | 50RB#25 | 20.21 | 21.91 | 33.00 | PASS |
| Band41 | 20MHz | 64QAM | 40620 | 50RB#50 | 20.16 | 21.86 | 33.00 | PASS |
| Band41 | 20MHz | 64QAM | 40620 | 100RB#0 | 20.32 | 22.02 | 33.00 | PASS |
| Band41 | 20MHz | 64QAM | 41490 | 1RB#99  | 21.41 | 23.11 | 33.00 | PASS |



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



|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band41 | 20MHz | 64QAM | 41490 | 1RB#0   | 21.33 | 23.03 | 33.00 | PASS |
| Band41 | 20MHz | 64QAM | 41490 | 1RB#49  | 21.19 | 22.89 | 33.00 | PASS |
| Band41 | 20MHz | 64QAM | 41490 | 50RB#0  | 21.56 | 23.26 | 33.00 | PASS |
| Band41 | 20MHz | 64QAM | 41490 | 50RB#50 | 20.16 | 21.86 | 33.00 | PASS |
| Band41 | 20MHz | 64QAM | 41490 | 50RB#25 | 20.12 | 21.82 | 33.00 | PASS |
| Band41 | 20MHz | 64QAM | 41490 | 100RB#0 | 20.21 | 21.91 | 33.00 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 1RB#0   | 22.50 | 24.20 | 33.00 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 1RB#49  | 22.27 | 23.97 | 33.00 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 1RB#99  | 22.22 | 23.92 | 33.00 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 50RB#0  | 21.40 | 23.10 | 33.00 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 50RB#25 | 21.34 | 23.04 | 33.00 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 50RB#50 | 21.35 | 23.05 | 33.00 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 100RB#0 | 21.34 | 23.04 | 33.00 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 1RB#0   | 22.48 | 24.18 | 33.00 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 1RB#99  | 22.37 | 24.07 | 33.00 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 1RB#49  | 22.19 | 23.89 | 33.00 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 50RB#0  | 21.43 | 23.13 | 33.00 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 50RB#25 | 21.38 | 23.08 | 33.00 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 50RB#50 | 21.31 | 23.01 | 33.00 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 100RB#0 | 21.42 | 23.12 | 33.00 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 1RB#0   | 22.51 | 24.21 | 33.00 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 1RB#99  | 22.29 | 23.99 | 33.00 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 1RB#49  | 22.23 | 23.93 | 33.00 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 50RB#50 | 21.33 | 23.03 | 33.00 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 50RB#25 | 21.40 | 23.10 | 33.00 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 50RB#0  | 21.36 | 23.06 | 33.00 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 100RB#0 | 21.41 | 23.11 | 33.00 | PASS |

## 1.2. Test Result for Up Ant

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Conducted Power(dBm) | EIRP (dBm) | Limit (dBm) | Verdict |
|--------|-----------|------------|---------|------------------|----------------------|------------|-------------|---------|
| Band41 | 5MHz      | QPSK       | 39675   | 1RB#0            | 21.70                | 23.40      | 33.00       | PASS    |
| Band41 | 5MHz      | QPSK       | 39675   | 1RB#12           | 21.63                | 23.33      | 33.00       | PASS    |
| Band41 | 5MHz      | QPSK       | 39675   | 1RB#24           | 21.62                | 23.32      | 33.00       | PASS    |



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



|        |      |       |       |         |       |       |       |      |
|--------|------|-------|-------|---------|-------|-------|-------|------|
| Band41 | 5MHz | QPSK  | 39675 | 12RB#6  | 20.67 | 22.37 | 33.00 | PASS |
| Band41 | 5MHz | QPSK  | 39675 | 12RB#0  | 20.72 | 22.42 | 33.00 | PASS |
| Band41 | 5MHz | QPSK  | 39675 | 12RB#13 | 20.69 | 22.39 | 33.00 | PASS |
| Band41 | 5MHz | QPSK  | 39675 | 25RB#0  | 20.66 | 22.36 | 33.00 | PASS |
| Band41 | 5MHz | QPSK  | 40620 | 1RB#24  | 21.45 | 23.15 | 33.00 | PASS |
| Band41 | 5MHz | QPSK  | 40620 | 1RB#0   | 21.57 | 23.27 | 33.00 | PASS |
| Band41 | 5MHz | QPSK  | 40620 | 1RB#12  | 21.44 | 23.14 | 33.00 | PASS |
| Band41 | 5MHz | QPSK  | 40620 | 12RB#0  | 20.53 | 22.23 | 33.00 | PASS |
| Band41 | 5MHz | QPSK  | 40620 | 12RB#6  | 20.59 | 22.29 | 33.00 | PASS |
| Band41 | 5MHz | QPSK  | 40620 | 12RB#13 | 20.53 | 22.23 | 33.00 | PASS |
| Band41 | 5MHz | QPSK  | 40620 | 25RB#0  | 20.53 | 22.23 | 33.00 | PASS |
| Band41 | 5MHz | QPSK  | 41565 | 1RB#12  | 21.58 | 23.28 | 33.00 | PASS |
| Band41 | 5MHz | QPSK  | 41565 | 1RB#0   | 21.62 | 23.32 | 33.00 | PASS |
| Band41 | 5MHz | QPSK  | 41565 | 1RB#24  | 21.48 | 23.18 | 33.00 | PASS |
| Band41 | 5MHz | QPSK  | 41565 | 12RB#13 | 20.62 | 22.32 | 33.00 | PASS |
| Band41 | 5MHz | QPSK  | 41565 | 12RB#6  | 20.64 | 22.34 | 33.00 | PASS |
| Band41 | 5MHz | QPSK  | 41565 | 12RB#0  | 20.59 | 22.29 | 33.00 | PASS |
| Band41 | 5MHz | QPSK  | 41565 | 25RB#0  | 20.58 | 22.28 | 33.00 | PASS |
| Band41 | 5MHz | 64QAM | 39675 | 1RB#24  | 19.97 | 21.67 | 33.00 | PASS |
| Band41 | 5MHz | 64QAM | 39675 | 1RB#12  | 19.82 | 21.52 | 33.00 | PASS |
| Band41 | 5MHz | 64QAM | 39675 | 1RB#0   | 19.90 | 21.60 | 33.00 | PASS |
| Band41 | 5MHz | 64QAM | 39675 | 12RB#13 | 18.85 | 20.55 | 33.00 | PASS |
| Band41 | 5MHz | 64QAM | 39675 | 12RB#6  | 18.85 | 20.55 | 33.00 | PASS |
| Band41 | 5MHz | 64QAM | 39675 | 12RB#0  | 18.84 | 20.54 | 33.00 | PASS |
| Band41 | 5MHz | 64QAM | 39675 | 25RB#0  | 18.94 | 20.64 | 33.00 | PASS |
| Band41 | 5MHz | 64QAM | 40620 | 1RB#24  | 19.59 | 21.29 | 33.00 | PASS |
| Band41 | 5MHz | 64QAM | 40620 | 1RB#12  | 19.90 | 21.60 | 33.00 | PASS |
| Band41 | 5MHz | 64QAM | 40620 | 1RB#0   | 19.85 | 21.55 | 33.00 | PASS |
| Band41 | 5MHz | 64QAM | 40620 | 12RB#0  | 19.82 | 21.52 | 33.00 | PASS |
| Band41 | 5MHz | 64QAM | 40620 | 12RB#13 | 18.73 | 20.43 | 33.00 | PASS |
| Band41 | 5MHz | 64QAM | 40620 | 12RB#6  | 18.71 | 20.41 | 33.00 | PASS |
| Band41 | 5MHz | 64QAM | 40620 | 25RB#0  | 18.76 | 20.46 | 33.00 | PASS |
| Band41 | 5MHz | 64QAM | 41565 | 1RB#12  | 19.56 | 21.26 | 33.00 | PASS |



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



|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band41 | 5MHz  | 64QAM | 41565 | 1RB#0   | 19.98 | 21.68 | 33.00 | PASS |
| Band41 | 5MHz  | 64QAM | 41565 | 1RB#24  | 19.81 | 21.51 | 33.00 | PASS |
| Band41 | 5MHz  | 64QAM | 41565 | 12RB#13 | 19.76 | 21.46 | 33.00 | PASS |
| Band41 | 5MHz  | 64QAM | 41565 | 12RB#6  | 18.78 | 20.48 | 33.00 | PASS |
| Band41 | 5MHz  | 64QAM | 41565 | 12RB#0  | 18.84 | 20.54 | 33.00 | PASS |
| Band41 | 5MHz  | 64QAM | 41565 | 25RB#0  | 18.75 | 20.45 | 33.00 | PASS |
| Band41 | 5MHz  | 16QAM | 39675 | 1RB#0   | 20.78 | 22.48 | 33.00 | PASS |
| Band41 | 5MHz  | 16QAM | 39675 | 1RB#24  | 20.72 | 22.42 | 33.00 | PASS |
| Band41 | 5MHz  | 16QAM | 39675 | 1RB#12  | 20.88 | 22.58 | 33.00 | PASS |
| Band41 | 5MHz  | 16QAM | 39675 | 12RB#13 | 19.68 | 21.38 | 33.00 | PASS |
| Band41 | 5MHz  | 16QAM | 39675 | 12RB#6  | 19.70 | 21.40 | 33.00 | PASS |
| Band41 | 5MHz  | 16QAM | 39675 | 12RB#0  | 19.71 | 21.41 | 33.00 | PASS |
| Band41 | 5MHz  | 16QAM | 39675 | 25RB#0  | 19.72 | 21.42 | 33.00 | PASS |
| Band41 | 5MHz  | 16QAM | 40620 | 1RB#12  | 20.58 | 22.28 | 33.00 | PASS |
| Band41 | 5MHz  | 16QAM | 40620 | 1RB#24  | 20.74 | 22.44 | 33.00 | PASS |
| Band41 | 5MHz  | 16QAM | 40620 | 1RB#0   | 20.66 | 22.36 | 33.00 | PASS |
| Band41 | 5MHz  | 16QAM | 40620 | 12RB#0  | 19.54 | 21.24 | 33.00 | PASS |
| Band41 | 5MHz  | 16QAM | 40620 | 12RB#6  | 19.50 | 21.20 | 33.00 | PASS |
| Band41 | 5MHz  | 16QAM | 40620 | 12RB#13 | 19.53 | 21.23 | 33.00 | PASS |
| Band41 | 5MHz  | 16QAM | 40620 | 25RB#0  | 19.59 | 21.29 | 33.00 | PASS |
| Band41 | 5MHz  | 16QAM | 41565 | 1RB#24  | 20.55 | 22.25 | 33.00 | PASS |
| Band41 | 5MHz  | 16QAM | 41565 | 1RB#12  | 20.71 | 22.41 | 33.00 | PASS |
| Band41 | 5MHz  | 16QAM | 41565 | 1RB#0   | 20.71 | 22.41 | 33.00 | PASS |
| Band41 | 5MHz  | 16QAM | 41565 | 12RB#13 | 19.55 | 21.25 | 33.00 | PASS |
| Band41 | 5MHz  | 16QAM | 41565 | 12RB#6  | 19.66 | 21.36 | 33.00 | PASS |
| Band41 | 5MHz  | 16QAM | 41565 | 12RB#0  | 19.60 | 21.30 | 33.00 | PASS |
| Band41 | 5MHz  | 16QAM | 41565 | 25RB#0  | 19.56 | 21.26 | 33.00 | PASS |
| Band41 | 10MHz | QPSK  | 39700 | 1RB#49  | 21.61 | 23.31 | 33.00 | PASS |
| Band41 | 10MHz | QPSK  | 39700 | 1RB#24  | 21.50 | 23.20 | 33.00 | PASS |
| Band41 | 10MHz | QPSK  | 39700 | 1RB#0   | 21.59 | 23.29 | 33.00 | PASS |
| Band41 | 10MHz | QPSK  | 39700 | 25RB#12 | 20.68 | 22.38 | 33.00 | PASS |
| Band41 | 10MHz | QPSK  | 39700 | 25RB#0  | 20.67 | 22.37 | 33.00 | PASS |
| Band41 | 10MHz | QPSK  | 39700 | 25RB#25 | 20.71 | 22.41 | 33.00 | PASS |



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

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

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



|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band41 | 10MHz | QPSK  | 39700 | 50RB#0  | 20.68 | 22.38 | 33.00 | PASS |
| Band41 | 10MHz | QPSK  | 40620 | 1RB#24  | 21.58 | 23.28 | 33.00 | PASS |
| Band41 | 10MHz | QPSK  | 40620 | 1RB#49  | 21.49 | 23.19 | 33.00 | PASS |
| Band41 | 10MHz | QPSK  | 40620 | 1RB#0   | 21.48 | 23.18 | 33.00 | PASS |
| Band41 | 10MHz | QPSK  | 40620 | 25RB#25 | 20.57 | 22.27 | 33.00 | PASS |
| Band41 | 10MHz | QPSK  | 40620 | 25RB#0  | 20.56 | 22.26 | 33.00 | PASS |
| Band41 | 10MHz | QPSK  | 40620 | 25RB#12 | 20.63 | 22.33 | 33.00 | PASS |
| Band41 | 10MHz | QPSK  | 40620 | 50RB#0  | 20.52 | 22.22 | 33.00 | PASS |
| Band41 | 10MHz | QPSK  | 41540 | 1RB#49  | 21.57 | 23.27 | 33.00 | PASS |
| Band41 | 10MHz | QPSK  | 41540 | 1RB#24  | 21.50 | 23.20 | 33.00 | PASS |
| Band41 | 10MHz | QPSK  | 41540 | 1RB#0   | 21.45 | 23.15 | 33.00 | PASS |
| Band41 | 10MHz | QPSK  | 41540 | 25RB#25 | 20.63 | 22.33 | 33.00 | PASS |
| Band41 | 10MHz | QPSK  | 41540 | 25RB#0  | 20.61 | 22.31 | 33.00 | PASS |
| Band41 | 10MHz | QPSK  | 41540 | 25RB#12 | 20.67 | 22.37 | 33.00 | PASS |
| Band41 | 10MHz | QPSK  | 41540 | 50RB#0  | 20.55 | 22.25 | 33.00 | PASS |
| Band41 | 10MHz | 64QAM | 39700 | 1RB#24  | 19.97 | 21.67 | 33.00 | PASS |
| Band41 | 10MHz | 64QAM | 39700 | 1RB#49  | 19.84 | 21.54 | 33.00 | PASS |
| Band41 | 10MHz | 64QAM | 39700 | 1RB#0   | 19.73 | 21.43 | 33.00 | PASS |
| Band41 | 10MHz | 64QAM | 39700 | 25RB#0  | 18.97 | 20.67 | 33.00 | PASS |
| Band41 | 10MHz | 64QAM | 39700 | 25RB#12 | 18.87 | 20.57 | 33.00 | PASS |
| Band41 | 10MHz | 64QAM | 39700 | 25RB#25 | 18.85 | 20.55 | 33.00 | PASS |
| Band41 | 10MHz | 64QAM | 39700 | 50RB#0  | 18.86 | 20.56 | 33.00 | PASS |
| Band41 | 10MHz | 64QAM | 40620 | 1RB#49  | 19.58 | 21.28 | 33.00 | PASS |
| Band41 | 10MHz | 64QAM | 40620 | 1RB#0   | 19.89 | 21.59 | 33.00 | PASS |
| Band41 | 10MHz | 64QAM | 40620 | 1RB#24  | 19.73 | 21.43 | 33.00 | PASS |
| Band41 | 10MHz | 64QAM | 40620 | 25RB#0  | 19.81 | 21.51 | 33.00 | PASS |
| Band41 | 10MHz | 64QAM | 40620 | 25RB#12 | 18.83 | 20.53 | 33.00 | PASS |
| Band41 | 10MHz | 64QAM | 40620 | 25RB#25 | 18.78 | 20.48 | 33.00 | PASS |
| Band41 | 10MHz | 64QAM | 40620 | 50RB#0  | 18.79 | 20.49 | 33.00 | PASS |
| Band41 | 10MHz | 64QAM | 41540 | 1RB#0   | 19.64 | 21.34 | 33.00 | PASS |
| Band41 | 10MHz | 64QAM | 41540 | 1RB#49  | 19.99 | 21.69 | 33.00 | PASS |
| Band41 | 10MHz | 64QAM | 41540 | 1RB#24  | 19.83 | 21.53 | 33.00 | PASS |
| Band41 | 10MHz | 64QAM | 41540 | 25RB#25 | 19.77 | 21.47 | 33.00 | PASS |



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



|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band41 | 10MHz | 64QAM | 41540 | 25RB#0  | 18.83 | 20.53 | 33.00 | PASS |
| Band41 | 10MHz | 64QAM | 41540 | 25RB#12 | 18.85 | 20.55 | 33.00 | PASS |
| Band41 | 10MHz | 64QAM | 41540 | 50RB#0  | 18.79 | 20.49 | 33.00 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 1RB#0   | 20.79 | 22.49 | 33.00 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 1RB#24  | 20.64 | 22.34 | 33.00 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 1RB#49  | 20.63 | 22.33 | 33.00 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 25RB#12 | 19.78 | 21.48 | 33.00 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 25RB#0  | 19.71 | 21.41 | 33.00 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 25RB#25 | 19.66 | 21.36 | 33.00 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | 50RB#0  | 19.75 | 21.45 | 33.00 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 1RB#0   | 20.75 | 22.45 | 33.00 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 1RB#49  | 20.67 | 22.37 | 33.00 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 1RB#24  | 20.61 | 22.31 | 33.00 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 25RB#0  | 19.43 | 21.13 | 33.00 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 25RB#25 | 19.42 | 21.12 | 33.00 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 25RB#12 | 19.47 | 21.17 | 33.00 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 50RB#0  | 19.58 | 21.28 | 33.00 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 1RB#0   | 20.76 | 22.46 | 33.00 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 1RB#49  | 20.70 | 22.40 | 33.00 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 1RB#24  | 20.71 | 22.41 | 33.00 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 25RB#0  | 19.62 | 21.32 | 33.00 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 25RB#12 | 19.60 | 21.30 | 33.00 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 25RB#25 | 19.65 | 21.35 | 33.00 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | 50RB#0  | 19.64 | 21.34 | 33.00 | PASS |
| Band41 | 15MHz | QPSK  | 39725 | 1RB#74  | 21.76 | 23.46 | 33.00 | PASS |
| Band41 | 15MHz | QPSK  | 39725 | 1RB#38  | 21.72 | 23.42 | 33.00 | PASS |
| Band41 | 15MHz | QPSK  | 39725 | 1RB#0   | 21.69 | 23.39 | 33.00 | PASS |
| Band41 | 15MHz | QPSK  | 39725 | 36RB#39 | 20.84 | 22.54 | 33.00 | PASS |
| Band41 | 15MHz | QPSK  | 39725 | 36RB#18 | 20.94 | 22.64 | 33.00 | PASS |
| Band41 | 15MHz | QPSK  | 39725 | 36RB#0  | 20.82 | 22.52 | 33.00 | PASS |
| Band41 | 15MHz | QPSK  | 39725 | 75RB#0  | 20.85 | 22.55 | 33.00 | PASS |
| Band41 | 15MHz | QPSK  | 40620 | 1RB#0   | 21.76 | 23.46 | 33.00 | PASS |
| Band41 | 15MHz | QPSK  | 40620 | 1RB#38  | 21.55 | 23.25 | 33.00 | PASS |



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



|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band41 | 15MHz | QPSK  | 40620 | 1RB#74  | 21.69 | 23.39 | 33.00 | PASS |
| Band41 | 15MHz | QPSK  | 40620 | 36RB#0  | 20.70 | 22.40 | 33.00 | PASS |
| Band41 | 15MHz | QPSK  | 40620 | 36RB#18 | 20.67 | 22.37 | 33.00 | PASS |
| Band41 | 15MHz | QPSK  | 40620 | 36RB#39 | 20.65 | 22.35 | 33.00 | PASS |
| Band41 | 15MHz | QPSK  | 40620 | 75RB#0  | 20.75 | 22.45 | 33.00 | PASS |
| Band41 | 15MHz | QPSK  | 41515 | 1RB#0   | 21.76 | 23.46 | 33.00 | PASS |
| Band41 | 15MHz | QPSK  | 41515 | 1RB#38  | 21.61 | 23.31 | 33.00 | PASS |
| Band41 | 15MHz | QPSK  | 41515 | 1RB#74  | 21.73 | 23.43 | 33.00 | PASS |
| Band41 | 15MHz | QPSK  | 41515 | 36RB#0  | 20.81 | 22.51 | 33.00 | PASS |
| Band41 | 15MHz | QPSK  | 41515 | 36RB#18 | 20.71 | 22.41 | 33.00 | PASS |
| Band41 | 15MHz | QPSK  | 41515 | 36RB#39 | 20.79 | 22.49 | 33.00 | PASS |
| Band41 | 15MHz | QPSK  | 41515 | 75RB#0  | 20.69 | 22.39 | 33.00 | PASS |
| Band41 | 15MHz | 64QAM | 39725 | 1RB#74  | 19.98 | 21.68 | 33.00 | PASS |
| Band41 | 15MHz | 64QAM | 39725 | 1RB#38  | 19.74 | 21.44 | 33.00 | PASS |
| Band41 | 15MHz | 64QAM | 39725 | 1RB#0   | 19.81 | 21.51 | 33.00 | PASS |
| Band41 | 15MHz | 64QAM | 39725 | 36RB#0  | 18.96 | 20.66 | 33.00 | PASS |
| Band41 | 15MHz | 64QAM | 39725 | 36RB#18 | 18.86 | 20.56 | 33.00 | PASS |
| Band41 | 15MHz | 64QAM | 39725 | 36RB#39 | 18.85 | 20.55 | 33.00 | PASS |
| Band41 | 15MHz | 64QAM | 39725 | 75RB#0  | 18.86 | 20.56 | 33.00 | PASS |
| Band41 | 15MHz | 64QAM | 40620 | 1RB#38  | 19.72 | 21.42 | 33.00 | PASS |
| Band41 | 15MHz | 64QAM | 40620 | 1RB#74  | 20.06 | 21.76 | 33.00 | PASS |
| Band41 | 15MHz | 64QAM | 40620 | 1RB#0   | 19.76 | 21.46 | 33.00 | PASS |
| Band41 | 15MHz | 64QAM | 40620 | 36RB#39 | 19.72 | 21.42 | 33.00 | PASS |
| Band41 | 15MHz | 64QAM | 40620 | 36RB#0  | 18.82 | 20.52 | 33.00 | PASS |
| Band41 | 15MHz | 64QAM | 40620 | 36RB#18 | 18.72 | 20.42 | 33.00 | PASS |
| Band41 | 15MHz | 64QAM | 40620 | 75RB#0  | 18.81 | 20.51 | 33.00 | PASS |
| Band41 | 15MHz | 64QAM | 41515 | 1RB#0   | 19.70 | 21.40 | 33.00 | PASS |
| Band41 | 15MHz | 64QAM | 41515 | 1RB#38  | 19.96 | 21.66 | 33.00 | PASS |
| Band41 | 15MHz | 64QAM | 41515 | 1RB#74  | 19.74 | 21.44 | 33.00 | PASS |
| Band41 | 15MHz | 64QAM | 41515 | 36RB#18 | 19.66 | 21.36 | 33.00 | PASS |
| Band41 | 15MHz | 64QAM | 41515 | 36RB#0  | 18.79 | 20.49 | 33.00 | PASS |
| Band41 | 15MHz | 64QAM | 41515 | 36RB#39 | 18.76 | 20.46 | 33.00 | PASS |
| Band41 | 15MHz | 64QAM | 41515 | 75RB#0  | 18.77 | 20.47 | 33.00 | PASS |



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



|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band41 | 15MHz | 16QAM | 39725 | 1RB#38  | 21.01 | 22.71 | 33.00 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 1RB#0   | 20.85 | 22.55 | 33.00 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 1RB#74  | 20.82 | 22.52 | 33.00 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 36RB#0  | 19.84 | 21.54 | 33.00 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 36RB#39 | 19.87 | 21.57 | 33.00 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 36RB#18 | 19.75 | 21.45 | 33.00 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | 75RB#0  | 19.88 | 21.58 | 33.00 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 1RB#38  | 20.88 | 22.58 | 33.00 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 1RB#74  | 20.90 | 22.60 | 33.00 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 1RB#0   | 20.84 | 22.54 | 33.00 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 36RB#0  | 19.73 | 21.43 | 33.00 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 36RB#18 | 19.70 | 21.40 | 33.00 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 36RB#39 | 19.78 | 21.48 | 33.00 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 75RB#0  | 19.72 | 21.42 | 33.00 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 1RB#0   | 21.11 | 22.81 | 33.00 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 1RB#38  | 20.79 | 22.49 | 33.00 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 1RB#74  | 20.91 | 22.61 | 33.00 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 36RB#0  | 19.79 | 21.49 | 33.00 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 36RB#18 | 19.77 | 21.47 | 33.00 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 36RB#39 | 19.75 | 21.45 | 33.00 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | 75RB#0  | 19.70 | 21.40 | 33.00 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | 1RB#0   | 21.98 | 23.68 | 33.00 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | 1RB#49  | 21.61 | 23.31 | 33.00 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | 1RB#99  | 21.61 | 23.31 | 33.00 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | 50RB#25 | 20.95 | 22.65 | 33.00 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | 50RB#0  | 20.96 | 22.66 | 33.00 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | 50RB#50 | 20.81 | 22.51 | 33.00 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | 100RB#0 | 20.89 | 22.59 | 33.00 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | 1RB#99  | 21.72 | 23.42 | 33.00 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | 1RB#0   | 21.71 | 23.41 | 33.00 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | 1RB#49  | 21.64 | 23.34 | 33.00 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | 50RB#0  | 20.70 | 22.40 | 33.00 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | 50RB#25 | 20.76 | 22.46 | 33.00 | PASS |



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



|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band41 | 20MHz | QPSK  | 40620 | 50RB#50 | 20.78 | 22.48 | 33.00 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | 100RB#0 | 20.70 | 22.40 | 33.00 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 1RB#49  | 21.94 | 23.64 | 33.00 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 1RB#0   | 21.59 | 23.29 | 33.00 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 1RB#99  | 21.69 | 23.39 | 33.00 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 50RB#25 | 20.83 | 22.53 | 33.00 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 50RB#0  | 20.83 | 22.53 | 33.00 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 50RB#50 | 20.84 | 22.54 | 33.00 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 100RB#0 | 20.84 | 22.54 | 33.00 | PASS |
| Band41 | 20MHz | 64QAM | 39750 | 1RB#0   | 20.05 | 21.75 | 33.00 | PASS |
| Band41 | 20MHz | 64QAM | 39750 | 1RB#49  | 19.80 | 21.50 | 33.00 | PASS |
| Band41 | 20MHz | 64QAM | 39750 | 1RB#99  | 19.80 | 21.50 | 33.00 | PASS |
| Band41 | 20MHz | 64QAM | 39750 | 50RB#50 | 18.93 | 20.63 | 33.00 | PASS |
| Band41 | 20MHz | 64QAM | 39750 | 50RB#0  | 18.92 | 20.62 | 33.00 | PASS |
| Band41 | 20MHz | 64QAM | 39750 | 50RB#25 | 18.91 | 20.61 | 33.00 | PASS |
| Band41 | 20MHz | 64QAM | 39750 | 100RB#0 | 18.92 | 20.62 | 33.00 | PASS |
| Band41 | 20MHz | 64QAM | 40620 | 1RB#0   | 19.66 | 21.36 | 33.00 | PASS |
| Band41 | 20MHz | 64QAM | 40620 | 1RB#49  | 20.09 | 21.79 | 33.00 | PASS |
| Band41 | 20MHz | 64QAM | 40620 | 1RB#99  | 19.77 | 21.47 | 33.00 | PASS |
| Band41 | 20MHz | 64QAM | 40620 | 50RB#0  | 19.83 | 21.53 | 33.00 | PASS |
| Band41 | 20MHz | 64QAM | 40620 | 50RB#25 | 18.76 | 20.46 | 33.00 | PASS |
| Band41 | 20MHz | 64QAM | 40620 | 50RB#50 | 18.81 | 20.51 | 33.00 | PASS |
| Band41 | 20MHz | 64QAM | 40620 | 100RB#0 | 18.82 | 20.52 | 33.00 | PASS |
| Band41 | 20MHz | 64QAM | 41490 | 1RB#99  | 19.85 | 21.55 | 33.00 | PASS |
| Band41 | 20MHz | 64QAM | 41490 | 1RB#0   | 20.06 | 21.76 | 33.00 | PASS |
| Band41 | 20MHz | 64QAM | 41490 | 1RB#49  | 19.84 | 21.54 | 33.00 | PASS |
| Band41 | 20MHz | 64QAM | 41490 | 50RB#0  | 19.70 | 21.40 | 33.00 | PASS |
| Band41 | 20MHz | 64QAM | 41490 | 50RB#50 | 18.78 | 20.48 | 33.00 | PASS |
| Band41 | 20MHz | 64QAM | 41490 | 50RB#25 | 18.83 | 20.53 | 33.00 | PASS |
| Band41 | 20MHz | 64QAM | 41490 | 100RB#0 | 18.82 | 20.52 | 33.00 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 1RB#0   | 20.99 | 22.69 | 33.00 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 1RB#49  | 20.78 | 22.48 | 33.00 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 1RB#99  | 20.93 | 22.63 | 33.00 | PASS |



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



|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band41 | 20MHz | 16QAM | 39750 | 50RB#0  | 19.99 | 21.69 | 33.00 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 50RB#25 | 19.91 | 21.61 | 33.00 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 50RB#50 | 19.80 | 21.50 | 33.00 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 100RB#0 | 19.88 | 21.58 | 33.00 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 1RB#0   | 21.09 | 22.79 | 33.00 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 1RB#99  | 20.79 | 22.49 | 33.00 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 1RB#49  | 20.69 | 22.39 | 33.00 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 50RB#0  | 19.86 | 21.56 | 33.00 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 50RB#25 | 19.73 | 21.43 | 33.00 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 50RB#50 | 19.84 | 21.54 | 33.00 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 100RB#0 | 19.66 | 21.36 | 33.00 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 1RB#0   | 21.05 | 22.75 | 33.00 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 1RB#99  | 20.81 | 22.51 | 33.00 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 1RB#49  | 20.69 | 22.39 | 33.00 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 50RB#50 | 19.85 | 21.55 | 33.00 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 50RB#25 | 19.86 | 21.56 | 33.00 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 50RB#0  | 19.84 | 21.54 | 33.00 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 100RB#0 | 19.85 | 21.55 | 33.00 | PASS |

**Remark:**

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

ERP [dBm] = Conducted Power [dBm] + Gain [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-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](mailto: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.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

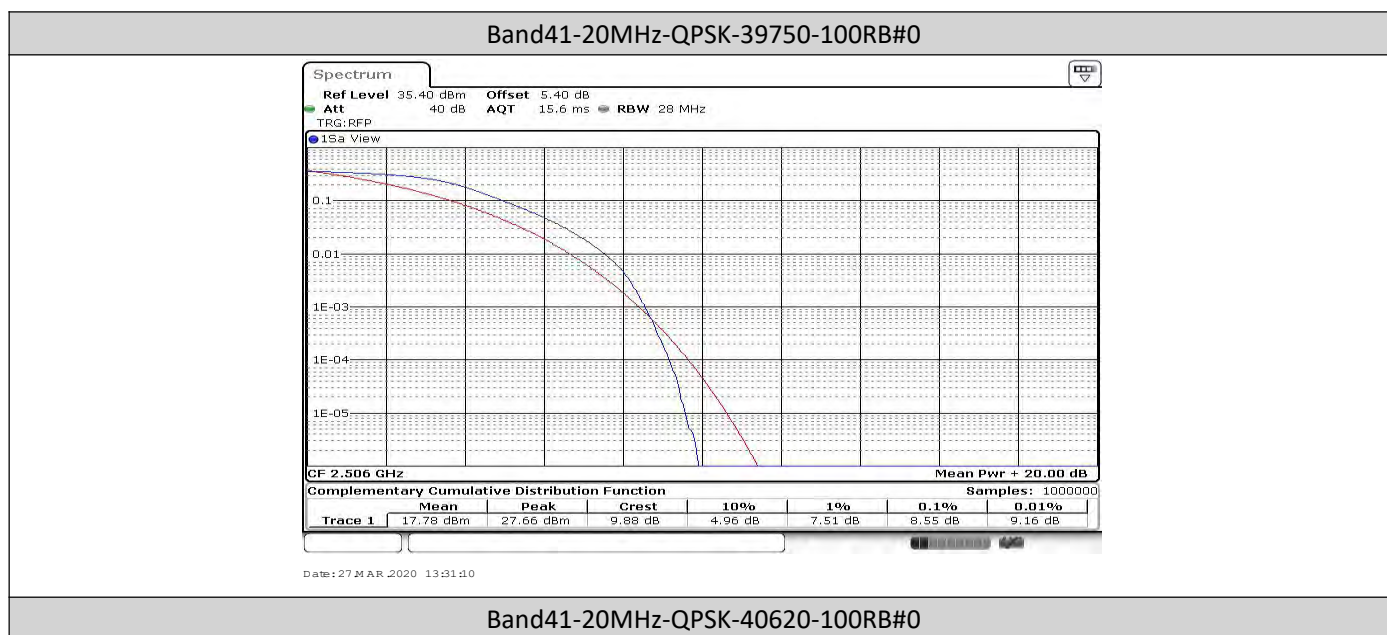


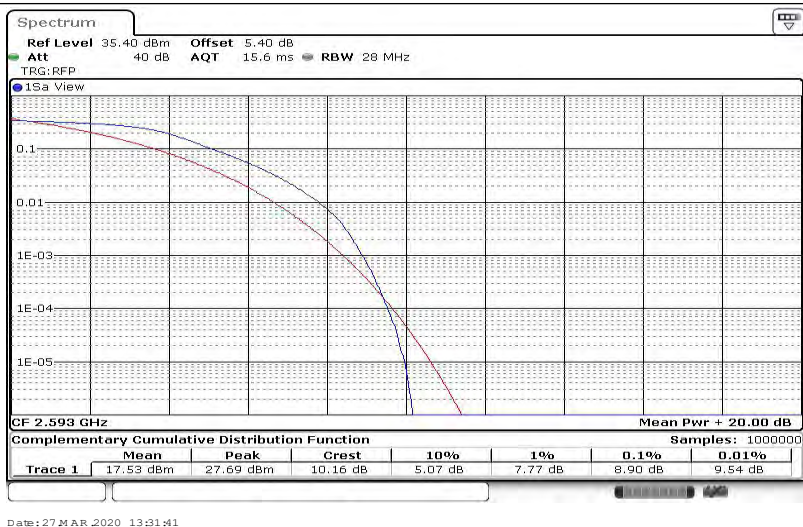
## 2. Peak-to-Average Ratio (CCDF)

### 2.1. Test Result

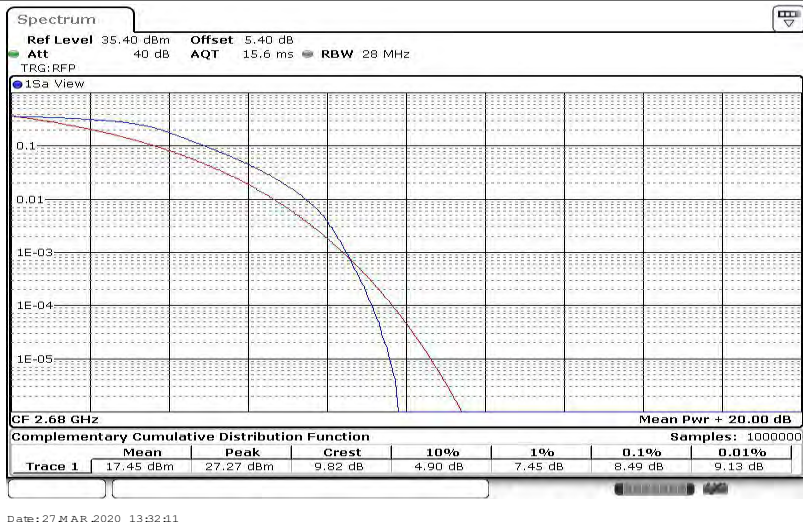
| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|--------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band41 | 20MHz     | QPSK       | 39750   | 100RB#0          | 8.55       | 13.00     | PASS    |
| Band41 | 20MHz     | QPSK       | 40620   | 100RB#0          | 8.90       | 13.00     | PASS    |
| Band41 | 20MHz     | QPSK       | 41490   | 100RB#0          | 8.49       | 13.00     | PASS    |
| Band41 | 20MHz     | 64QAM      | 39750   | 100RB#0          | 9.97       | 13.00     | PASS    |
| Band41 | 20MHz     | 64QAM      | 40620   | 100RB#0          | 9.86       | 13.00     | PASS    |
| Band41 | 20MHz     | 64QAM      | 41490   | 100RB#0          | 9.68       | 13.00     | PASS    |
| Band41 | 20MHz     | 16QAM      | 39750   | 100RB#0          | 9.36       | 13.00     | PASS    |
| Band41 | 20MHz     | 16QAM      | 40620   | 100RB#0          | 9.68       | 13.00     | PASS    |
| Band41 | 20MHz     | 16QAM      | 41490   | 100RB#0          | 9.28       | 13.00     | PASS    |

### 2.2. Test Plots



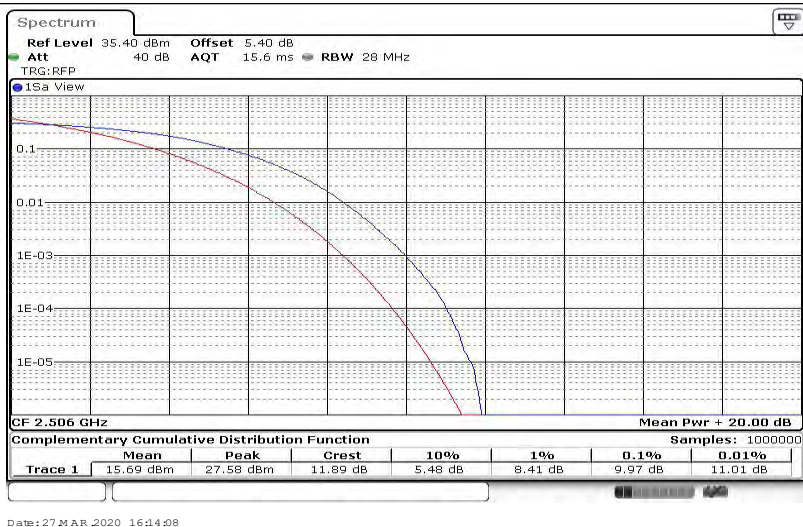


Band41-20MHz-QPSK-41490-100RB#0

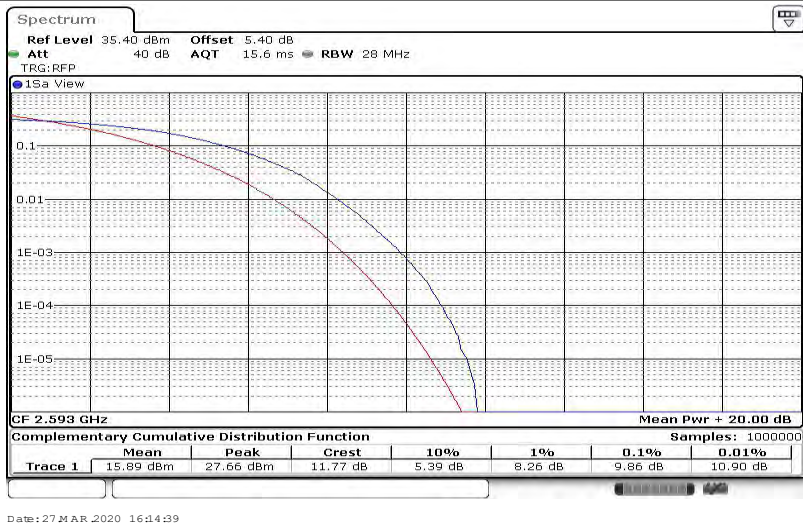


Band41-20MHz-64QAM-39750-100RB#0



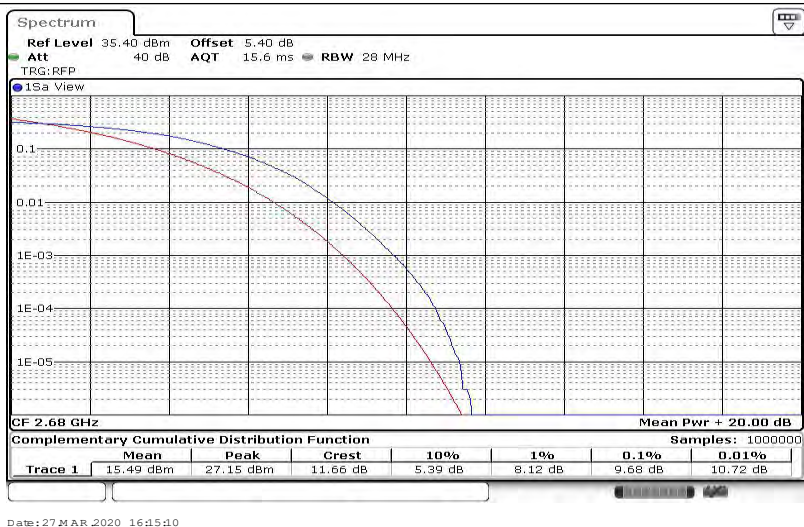


Band41-20MHz-64QAM-40620-100RB#0

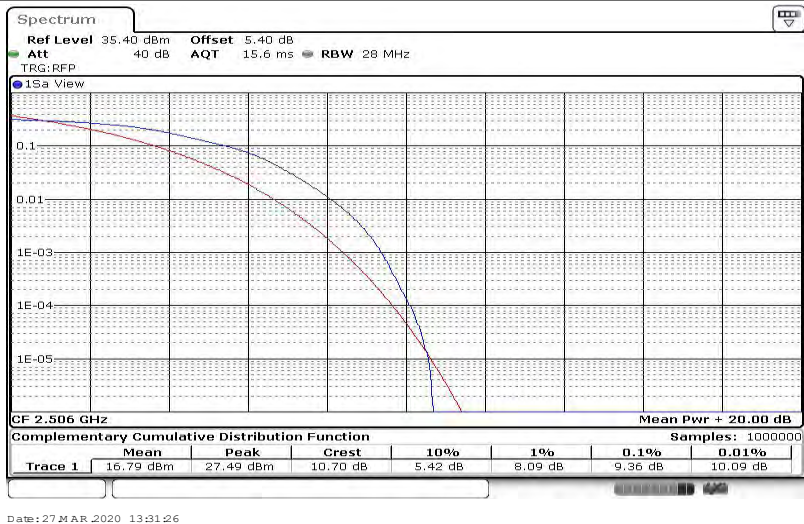


Band41-20MHz-64QAM-41490-100RB#0



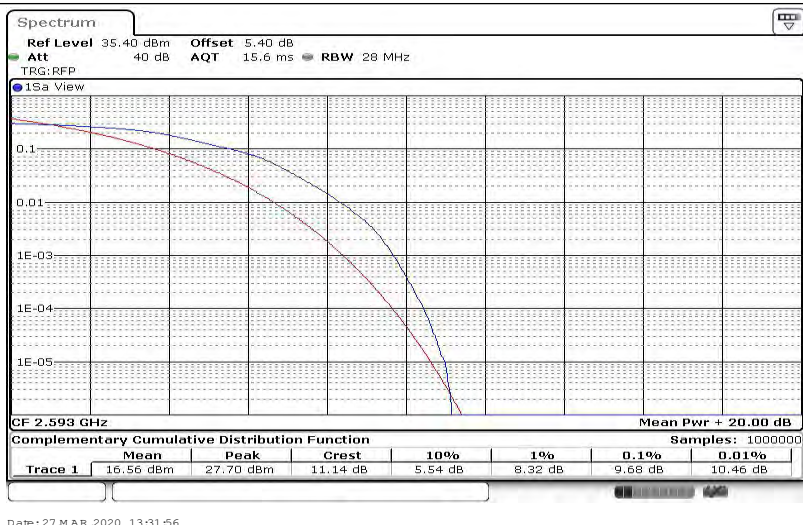


Band41-20MHz-16QAM-39750-100RB#0

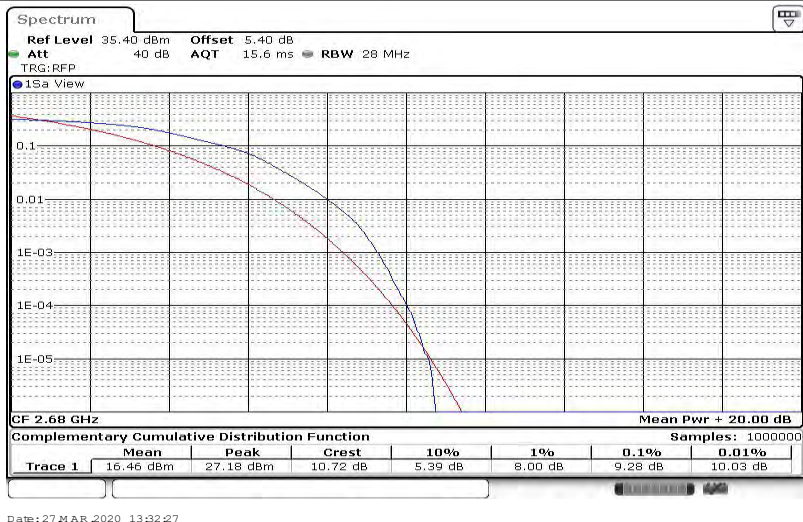


Band41-20MHz-16QAM-40620-100RB#0





Band41-20MHz-16QAM-41490-100RB#0



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.

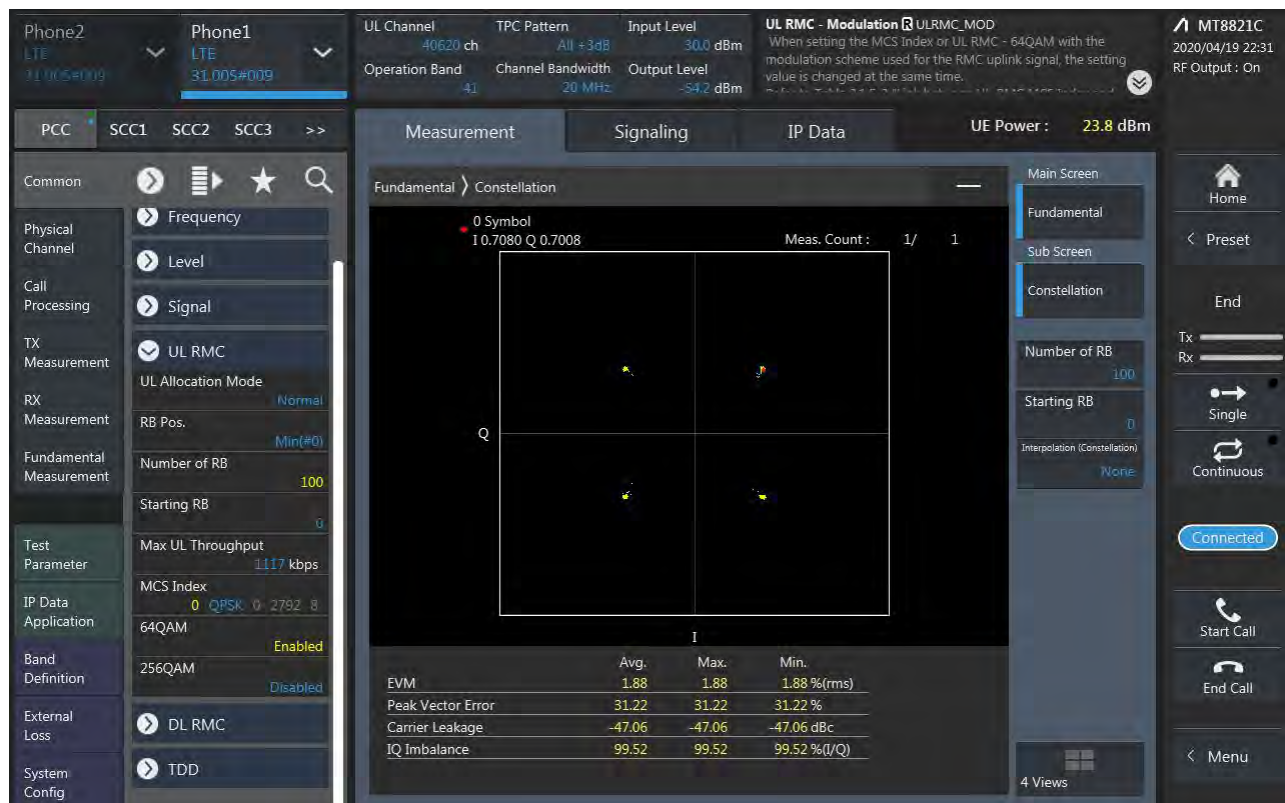
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)  
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053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



### 3. Modulation Characteristics

#### 3.1. Test Mode = LTE /TM1 20MHz

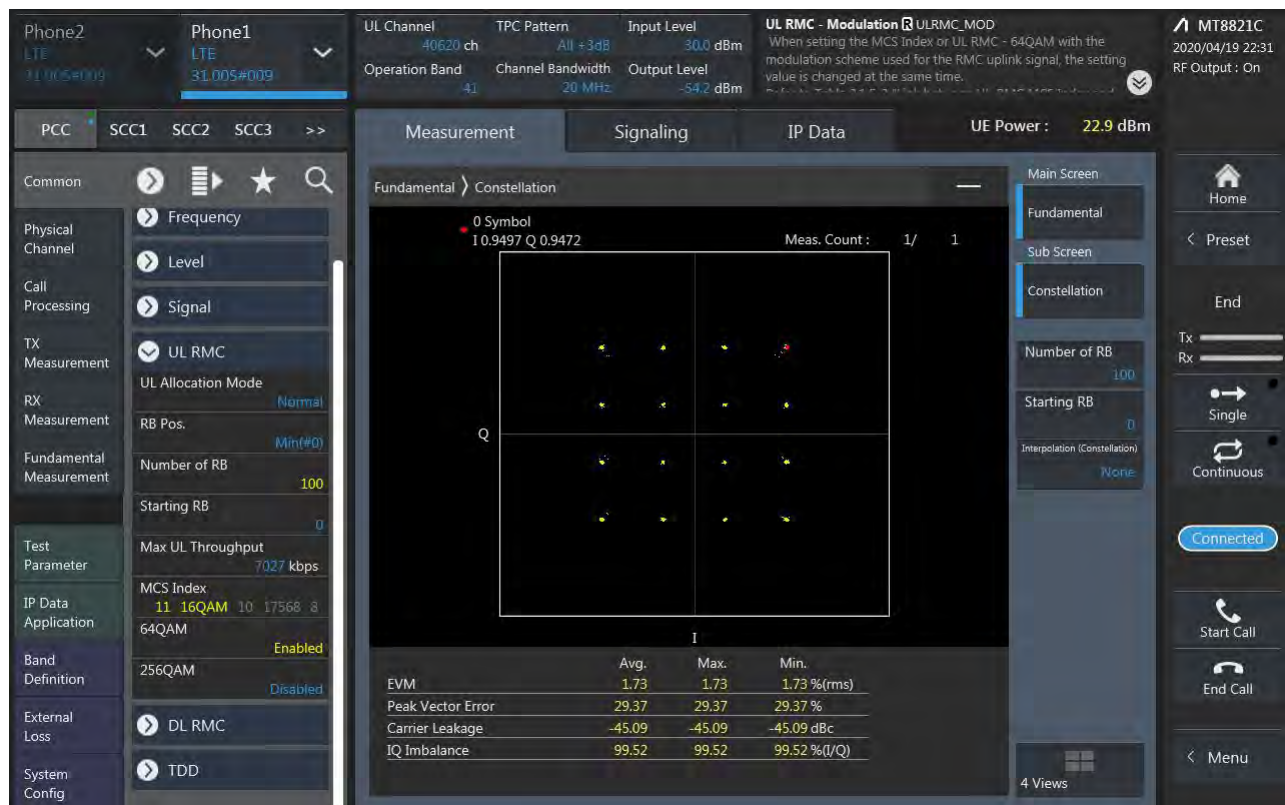
##### 3.1.1. Test Channel = MCH





## 3.2. Test Mode = LTE /TM2 20MHz

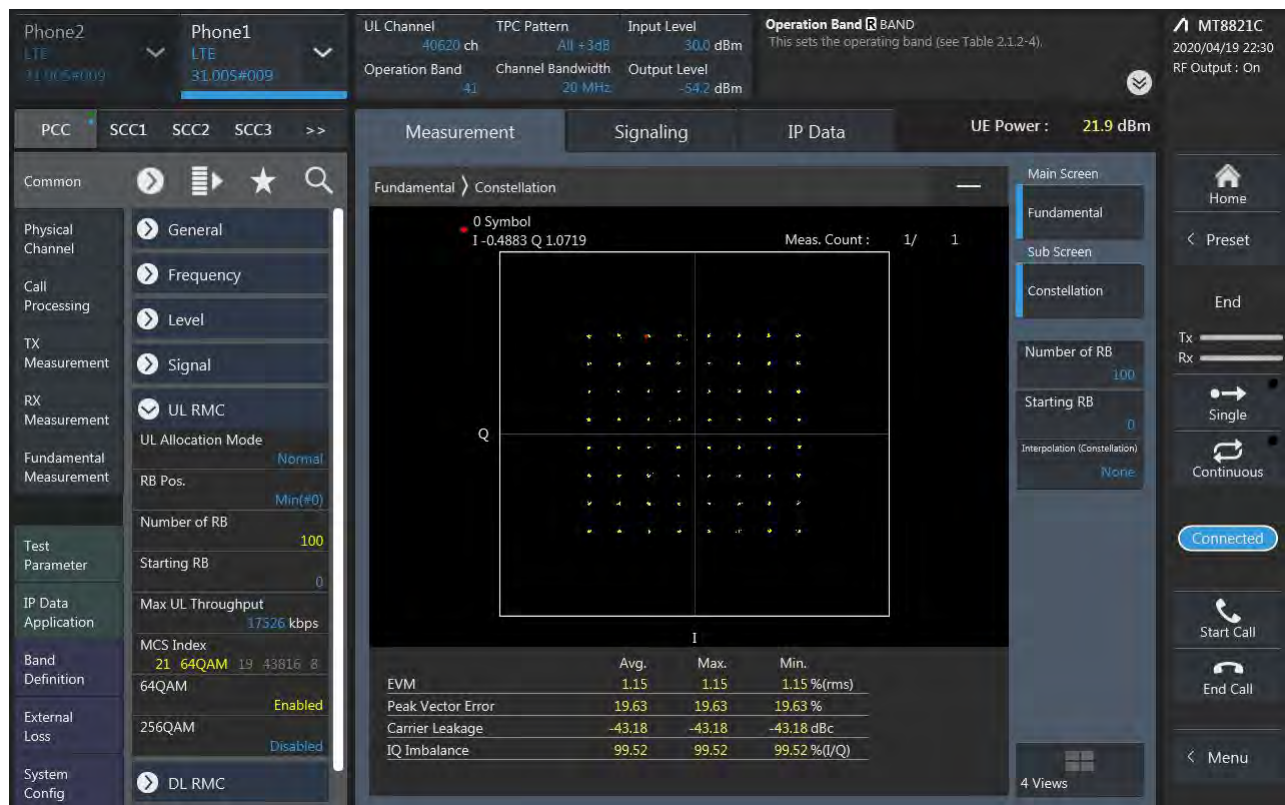
### 3.2.1. Test Channel = MCH





### 3.3. Test Mode = LTE /TM3 20MHz

#### 3.3.1. Test Channel = MCH





## 4. 26dB Bandwidth and Occupied Bandwidth

### 4.1. Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|--------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band41 | 5MHz      | QPSK       | 39675   | 25RB#0           | 4.466                    | 4.890                | PASS    |
| Band41 | 5MHz      | QPSK       | 40620   | 25RB#0           | 4.466                    | 4.880                | PASS    |
| Band41 | 5MHz      | QPSK       | 41565   | 25RB#0           | 4.476                    | 4.890                | PASS    |
| Band41 | 5MHz      | 64QAM      | 39675   | 25RB#0           | 4.456                    | 4.890                | PASS    |
| Band41 | 5MHz      | 64QAM      | 40620   | 25RB#0           | 4.476                    | 4.910                | PASS    |
| Band41 | 5MHz      | 64QAM      | 41565   | 25RB#0           | 4.476                    | 4.920                | PASS    |
| Band41 | 5MHz      | 16QAM      | 39675   | 25RB#0           | 4.466                    | 4.890                | PASS    |
| Band41 | 5MHz      | 16QAM      | 40620   | 25RB#0           | 4.486                    | 4.900                | PASS    |
| Band41 | 5MHz      | 16QAM      | 41565   | 25RB#0           | 4.456                    | 4.900                | PASS    |
| Band41 | 10MHz     | QPSK       | 39700   | 50RB#0           | 8.931                    | 9.800                | PASS    |
| Band41 | 10MHz     | QPSK       | 40620   | 50RB#0           | 8.931                    | 9.760                | PASS    |
| Band41 | 10MHz     | QPSK       | 41540   | 50RB#0           | 8.931                    | 9.760                | PASS    |
| Band41 | 10MHz     | 64QAM      | 39700   | 50RB#0           | 8.931                    | 9.700                | PASS    |
| Band41 | 10MHz     | 64QAM      | 40620   | 50RB#0           | 8.911                    | 9.780                | PASS    |
| Band41 | 10MHz     | 64QAM      | 41540   | 50RB#0           | 8.911                    | 9.760                | PASS    |
| Band41 | 10MHz     | 16QAM      | 39700   | 50RB#0           | 8.951                    | 9.800                | PASS    |
| Band41 | 10MHz     | 16QAM      | 40620   | 50RB#0           | 8.951                    | 9.740                | PASS    |
| Band41 | 10MHz     | 16QAM      | 41540   | 50RB#0           | 8.951                    | 9.740                | PASS    |
| Band41 | 15MHz     | QPSK       | 39725   | 75RB#0           | 13.516                   | 14.970               | PASS    |
| Band41 | 15MHz     | QPSK       | 40620   | 75RB#0           | 13.516                   | 15.000               | PASS    |
| Band41 | 15MHz     | QPSK       | 41515   | 75RB#0           | 13.516                   | 14.970               | PASS    |
| Band41 | 15MHz     | 64QAM      | 39725   | 75RB#0           | 13.487                   | 15.000               | PASS    |
| Band41 | 15MHz     | 64QAM      | 40620   | 75RB#0           | 13.487                   | 14.940               | PASS    |
| Band41 | 15MHz     | 64QAM      | 41515   | 75RB#0           | 13.487                   | 15.060               | PASS    |
| Band41 | 15MHz     | 16QAM      | 39725   | 75RB#0           | 13.487                   | 14.970               | PASS    |
| Band41 | 15MHz     | 16QAM      | 40620   | 75RB#0           | 13.516                   | 15.000               | PASS    |
| Band41 | 15MHz     | 16QAM      | 41515   | 75RB#0           | 13.487                   | 15.000               | PASS    |
| Band41 | 20MHz     | QPSK       | 39750   | 100RB#0          | 17.902                   | 19.760               | PASS    |
| Band41 | 20MHz     | QPSK       | 40620   | 100RB#0          | 17.902                   | 19.640               | PASS    |
| Band41 | 20MHz     | QPSK       | 41490   | 100RB#0          | 17.862                   | 19.760               | PASS    |
| Band41 | 20MHz     | 64QAM      | 39750   | 100RB#0          | 17.942                   | 19.640               | 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.

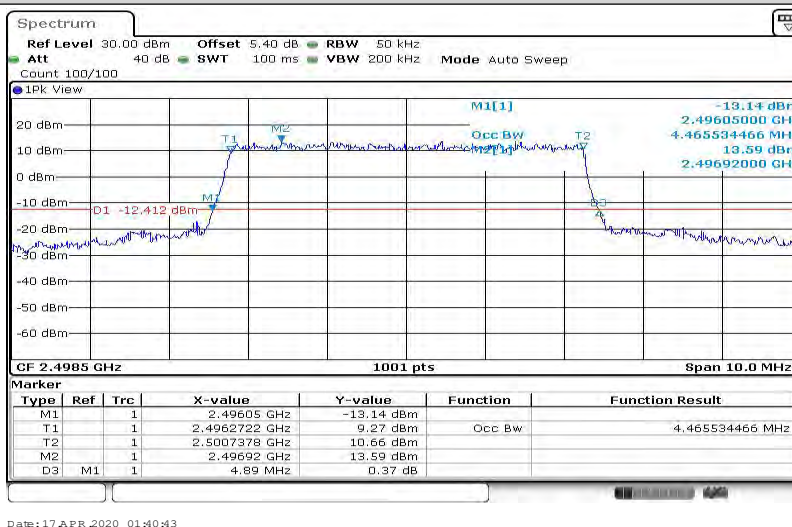
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)  
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053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



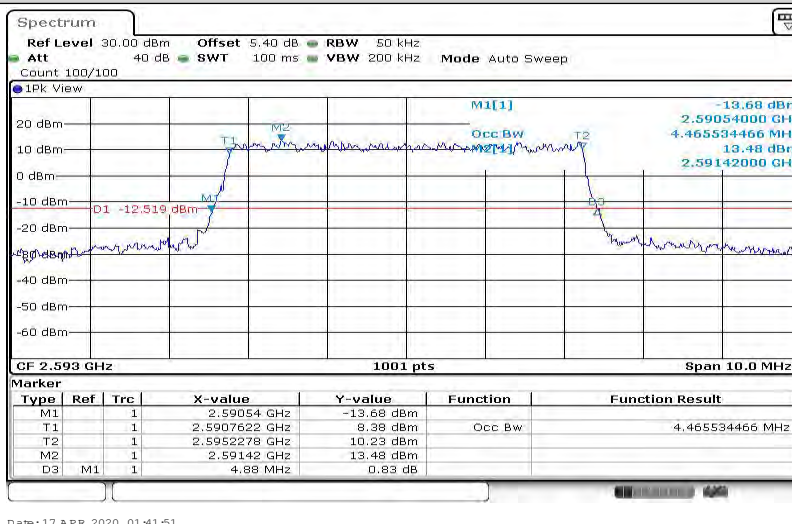
|        |       |       |       |         |        |        |      |
|--------|-------|-------|-------|---------|--------|--------|------|
| Band41 | 20MHz | 64QAM | 40620 | 100RB#0 | 17.902 | 19.760 | PASS |
| Band41 | 20MHz | 64QAM | 41490 | 100RB#0 | 17.862 | 19.720 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 100RB#0 | 17.982 | 19.600 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 100RB#0 | 17.982 | 19.560 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 100RB#0 | 17.942 | 19.640 | PASS |

## 4.2. Test Plots

Band41-5MHz-QPSK-39675-25RB#0-4.466



Band41-5MHz-QPSK-40620-25RB#0-4.466



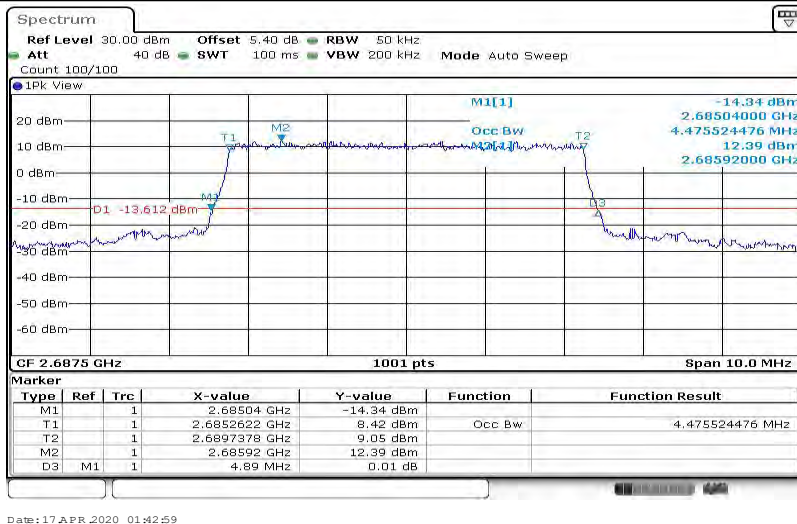
Band41-5MHz-QPSK-41565-25RB#0-4.476



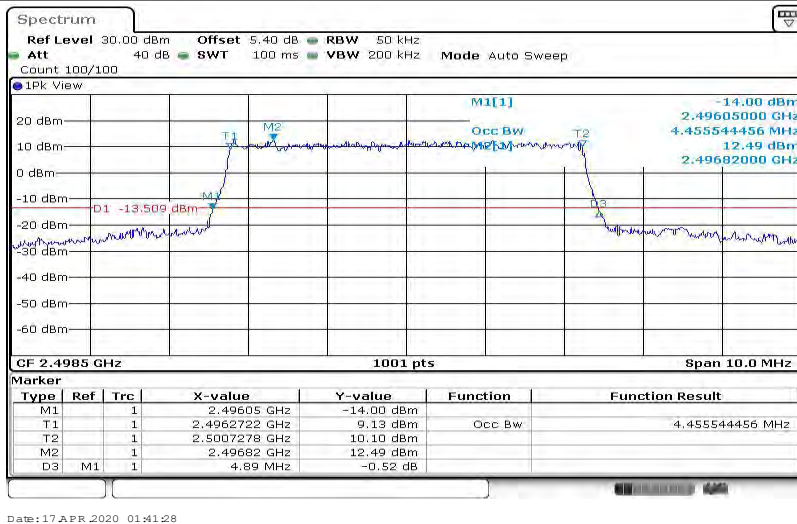
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Band41-5MHz-64QAM-39675-25RB#0-4.456

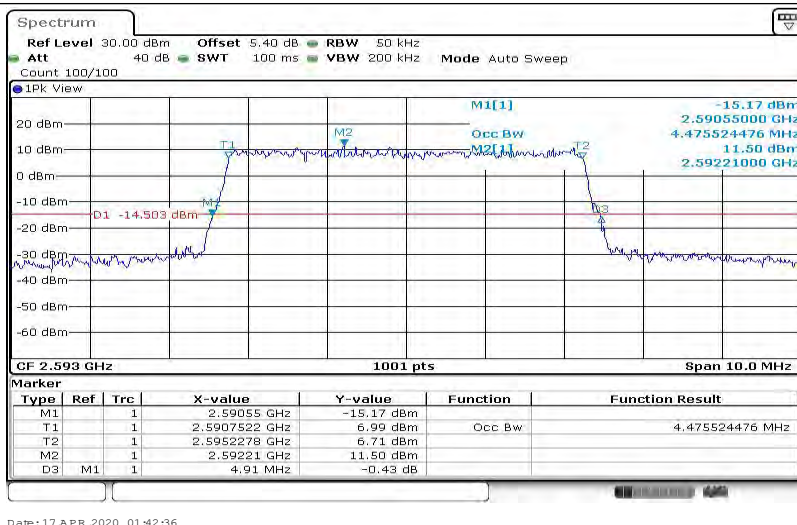


Band41-5MHz-64QAM-40620-25RB#0-4.476

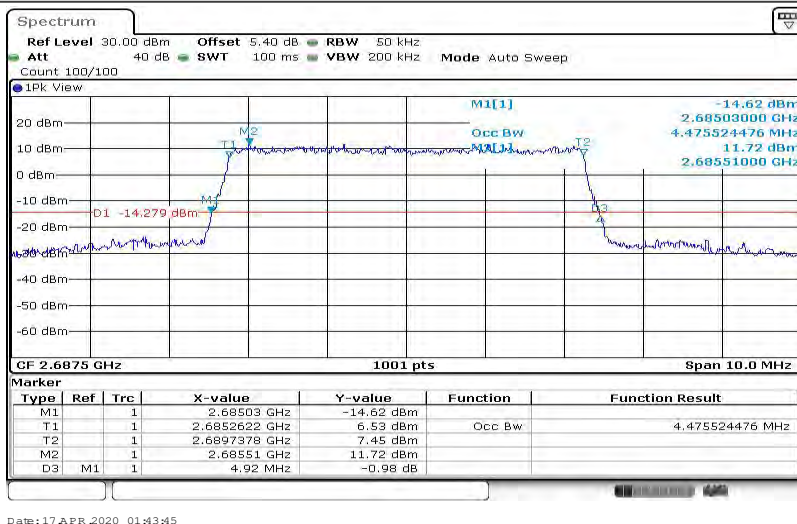


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Band41-5MHz-64QAM-41565-25RB#0-4.476

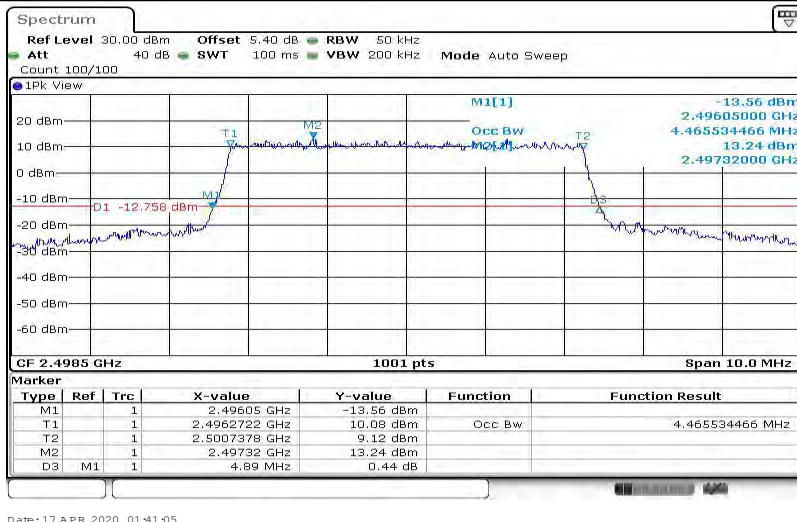


Band41-5MHz-16QAM-39675-25RB#0-4.466

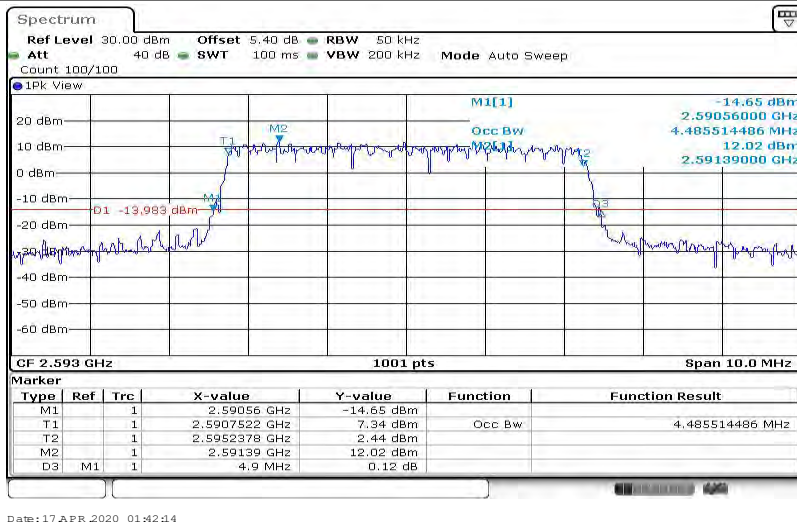


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Band41-5MHz-16QAM-40620-25RB#0-4.486

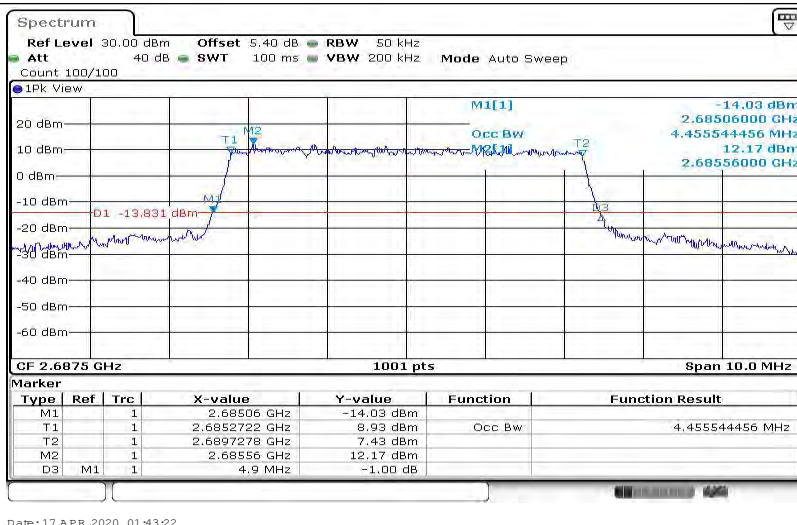


Band41-5MHz-16QAM-41565-25RB#0-4.456

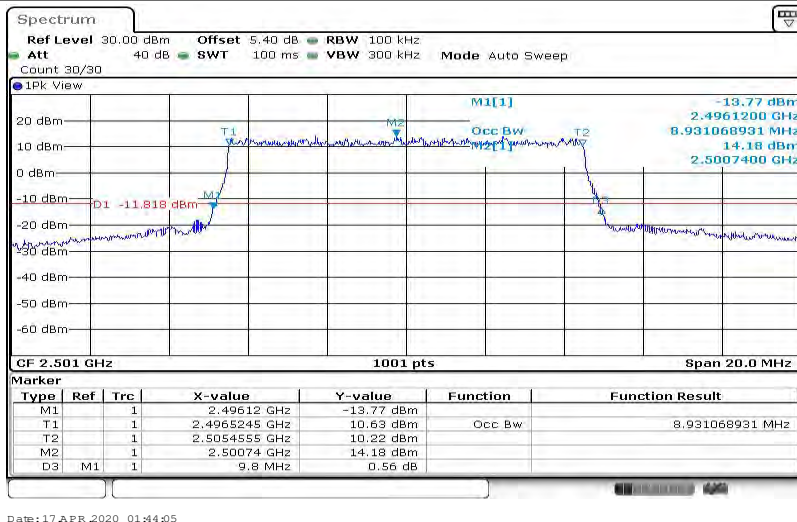


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Band41-10MHz-QPSK-39700-50RB#0-8.931

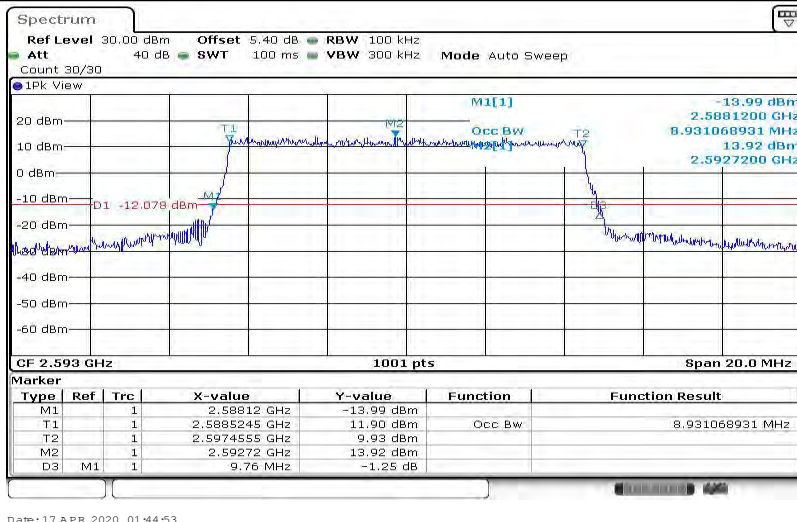


Band41-10MHz-QPSK-40620-50RB#0-8.931

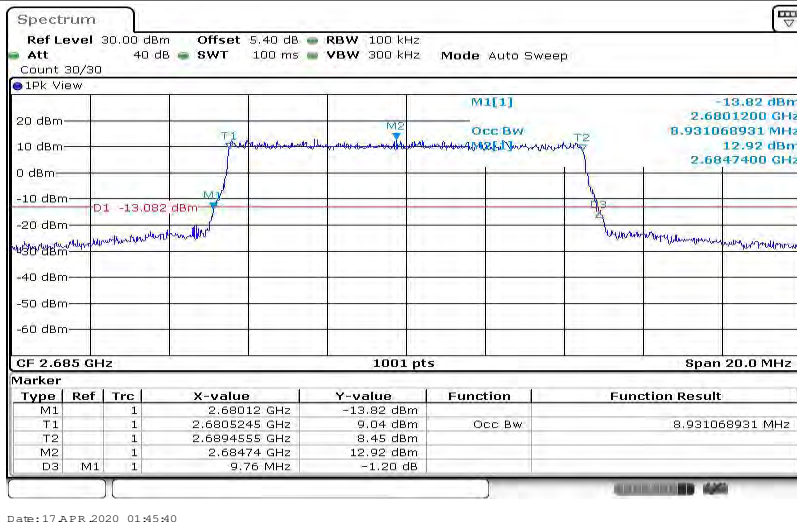


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Band41-10MHz-QPSK-41540-50RB#0-8.931



Band41-10MHz-64QAM-39700-50RB#0-8.931

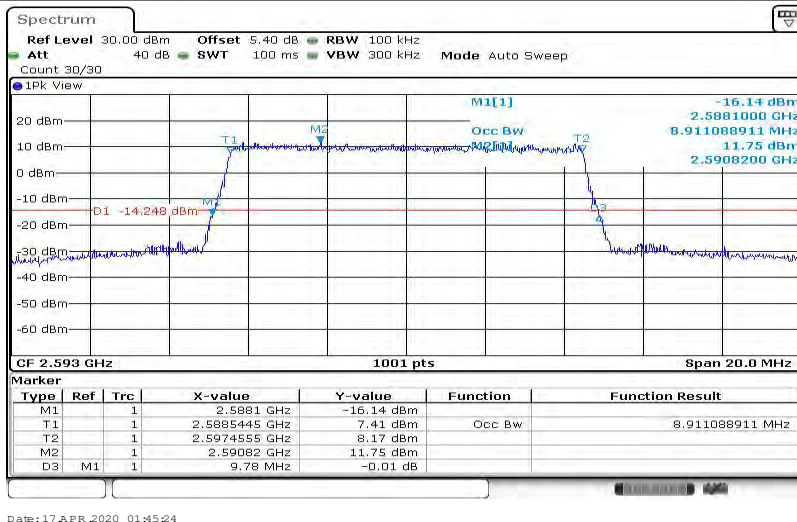


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Band41-10MHz-64QAM-40620-50RB#0-8.911

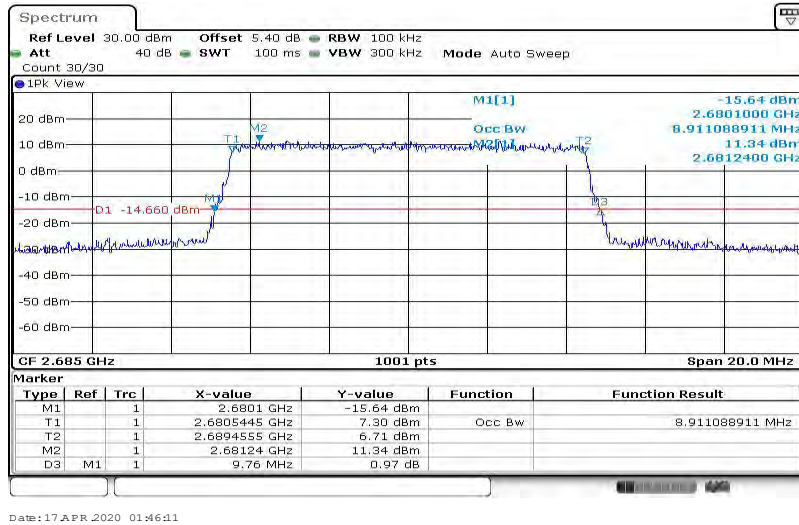


Band41-10MHz-64QAM-41540-50RB#0-8.911

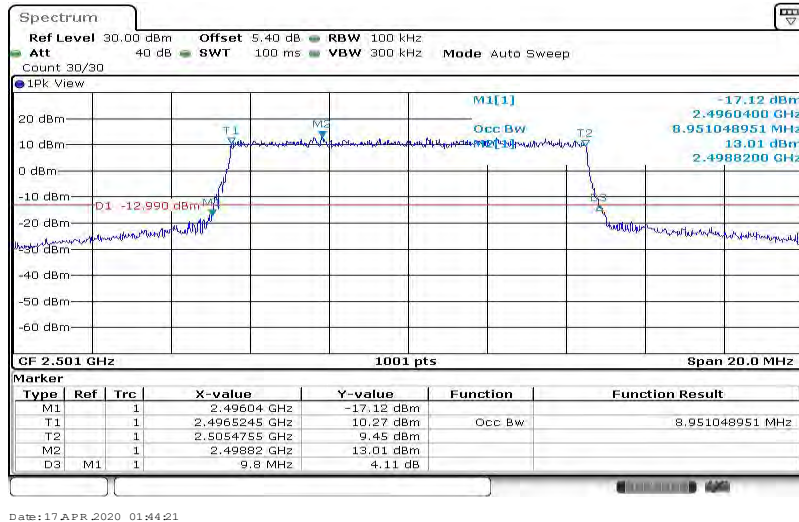


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Band41-10MHz-16QAM-39700-50RB#0-8.951

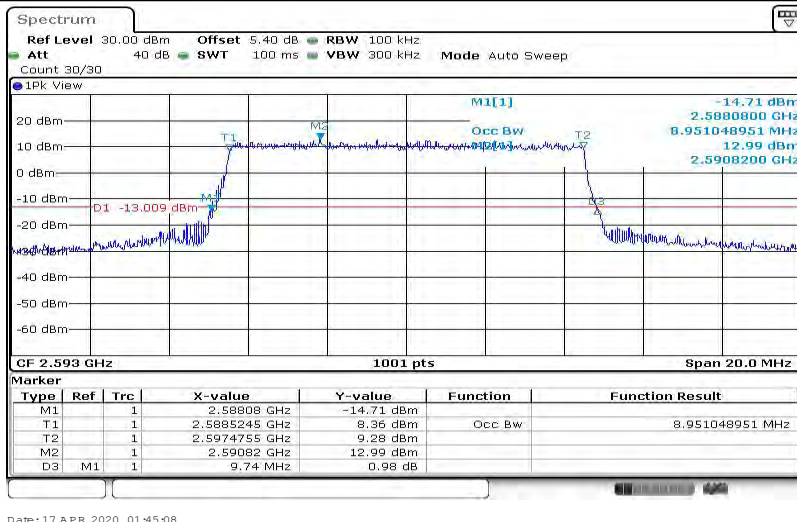


Band41-10MHz-16QAM-40620-50RB#0-8.951

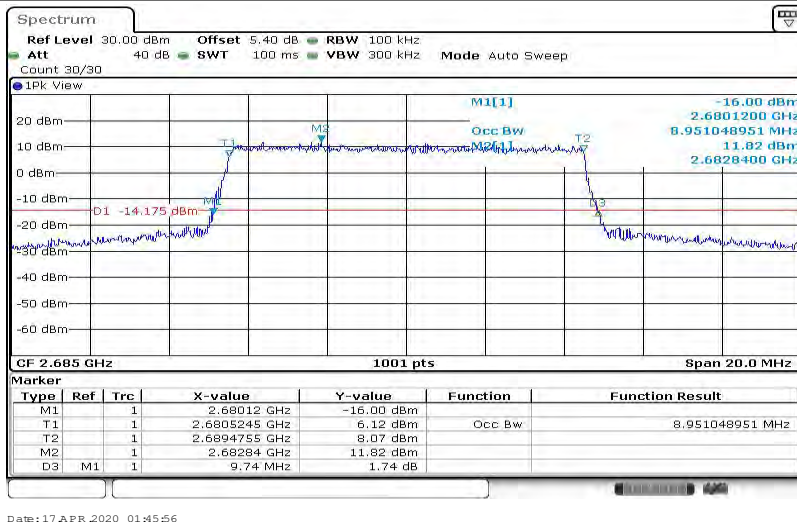


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Band41-10MHz-16QAM-41540-50RB#0-8.951



Band41-15MHz-QPSK-39725-75RB#0-13.516

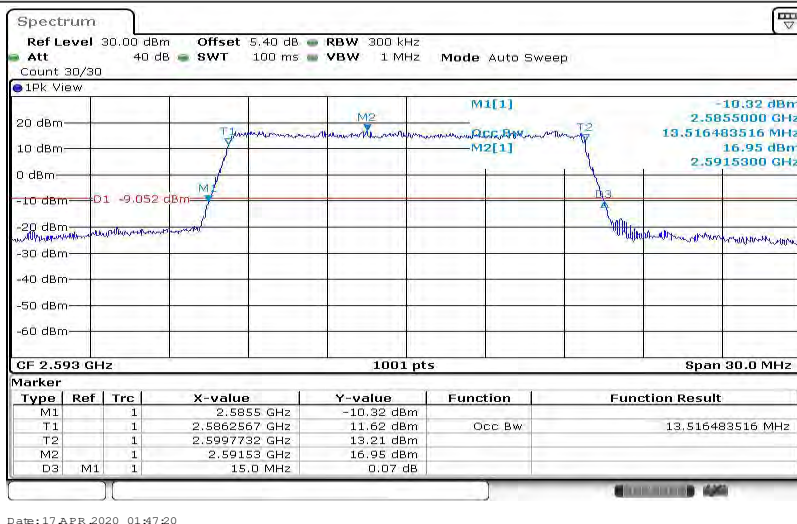


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Band41-15MHz-QPSK-40620-75RB#0-13.516

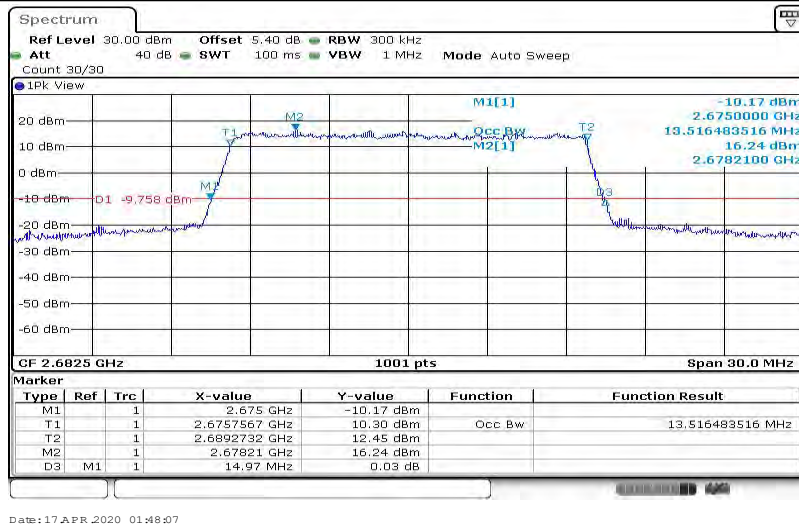


Band41-15MHz-QPSK-41515-75RB#0-13.516

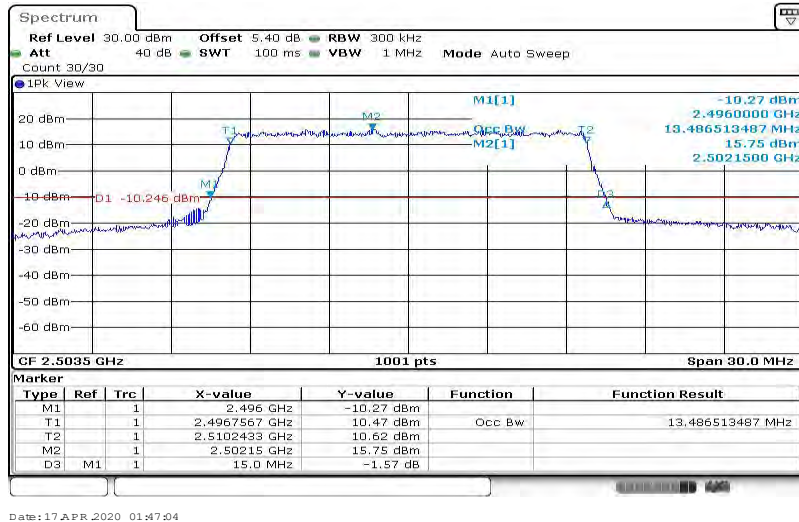


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

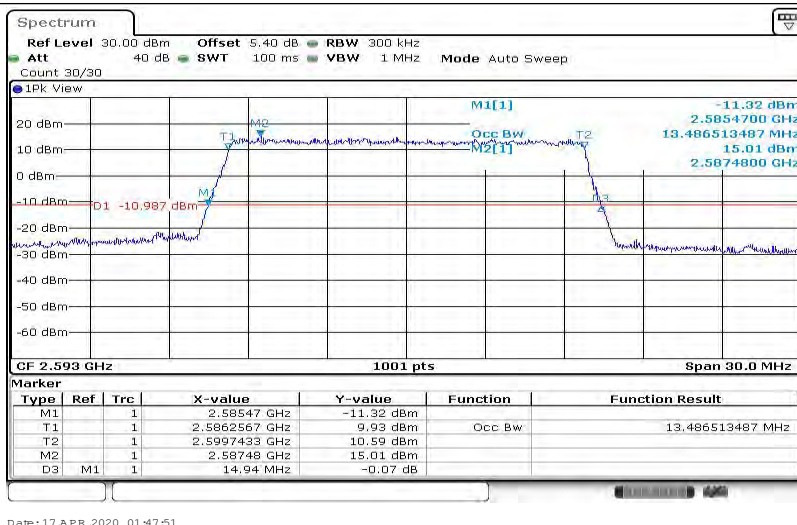


Band41-15MHz-64QAM-39725-75RB#0-13.487

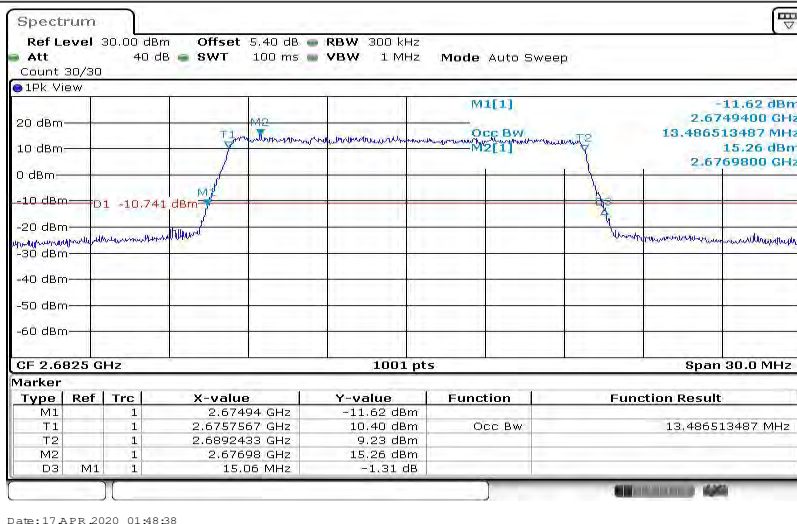


Band41-15MHz-64QAM-40620-75RB#0-13.487





Band41-15MHz-64QAM-41515-75RB#0-13.487



Band41-15MHz-16QAM-39725-75RB#0-13.487

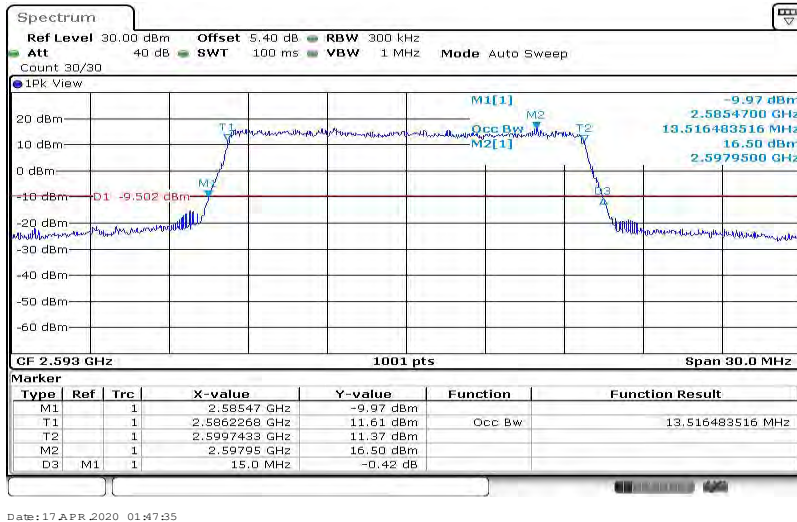


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

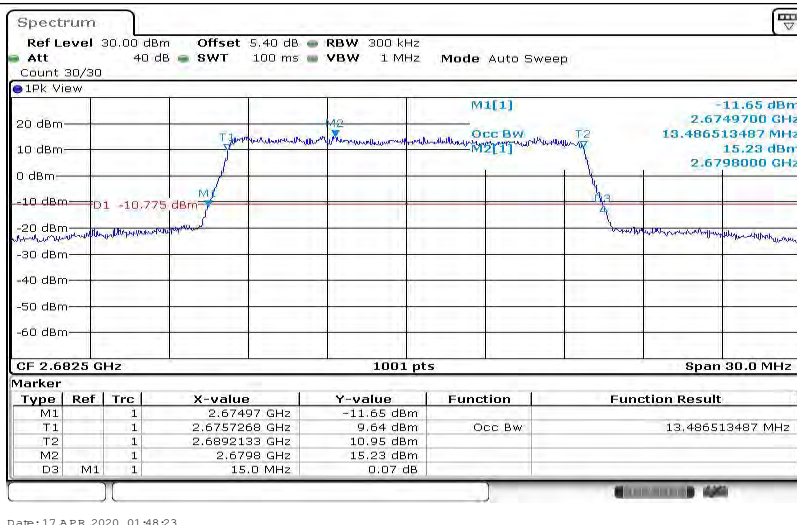


Band41-15MHz-16QAM-40620-75RB#0-13.516

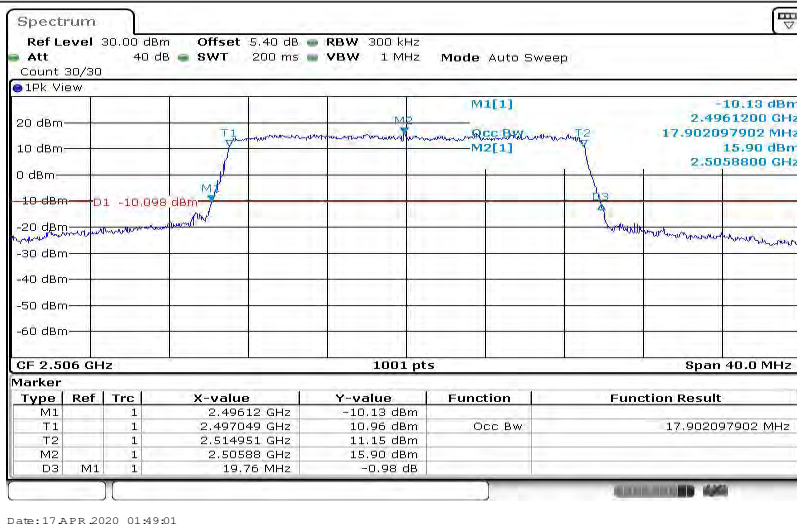


Band41-15MHz-16QAM-41515-75RB#0-13.487



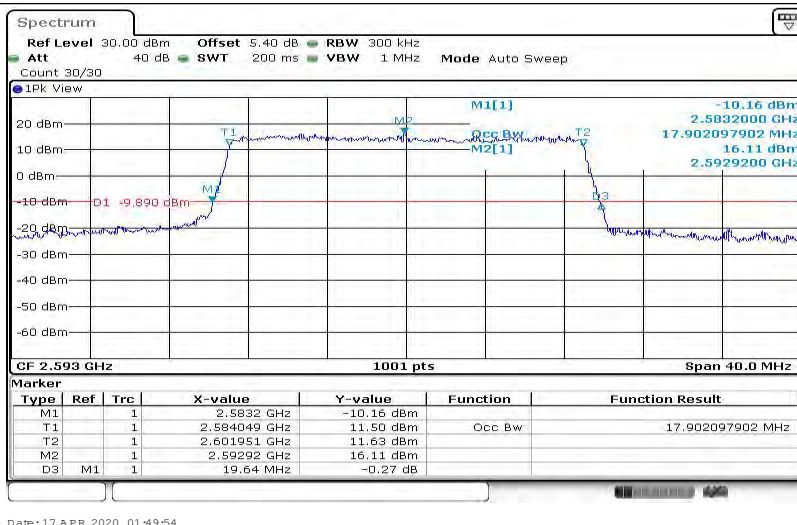


Band41-20MHz-QPSK-39750-100RB#0-17.902

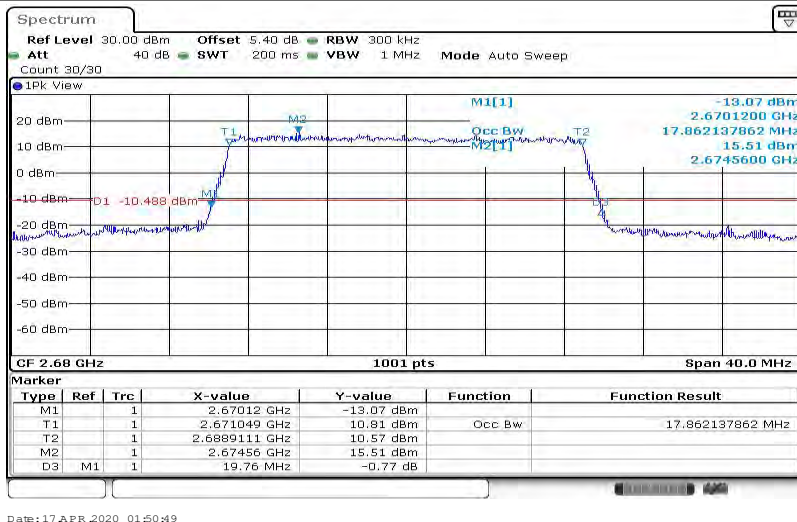


Band41-20MHz-QPSK-40620-100RB#0-17.902





Band41-20MHz-QPSK-41490-100RB#0-17.862



Band41-20MHz-64QAM-39750-100RB#0-17.942

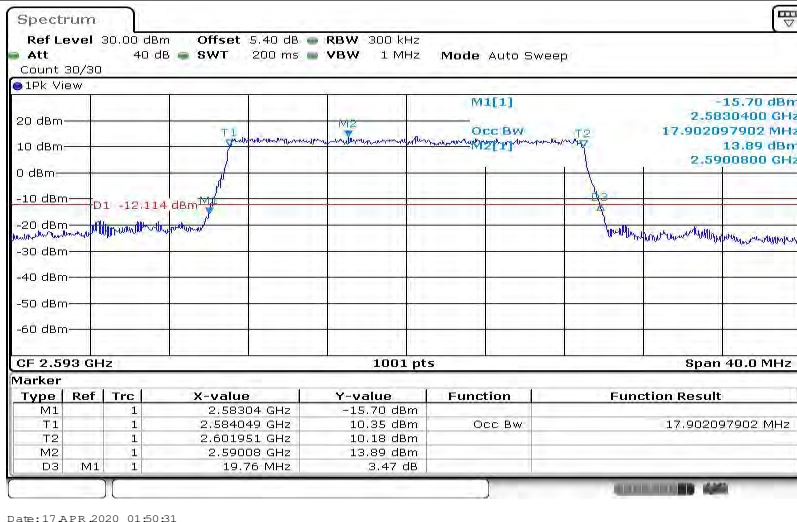


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

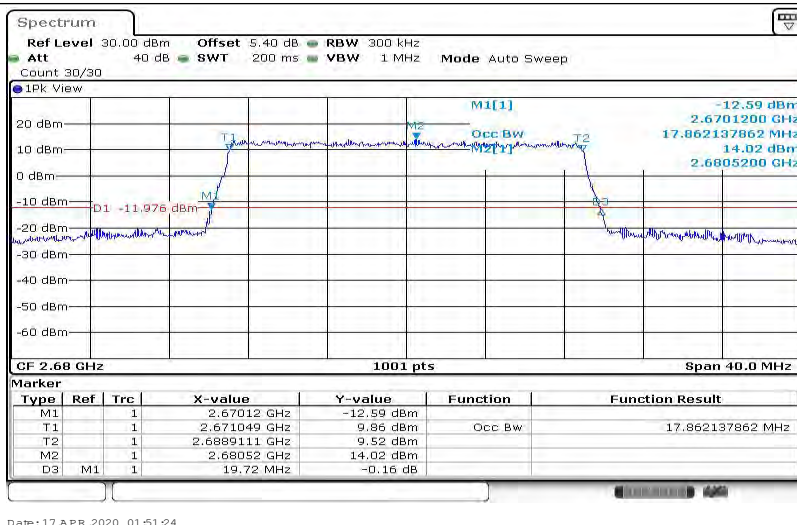


Band41-20MHz-64QAM-40620-100RB#0-17.902

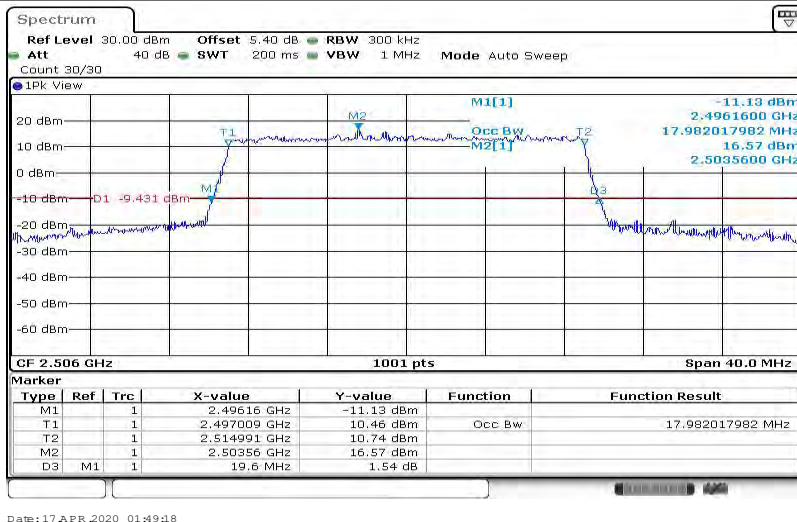


Band41-20MHz-64QAM-41490-100RB#0-17.862





Band41-20MHz-16QAM-39750-100RB#0-17.982

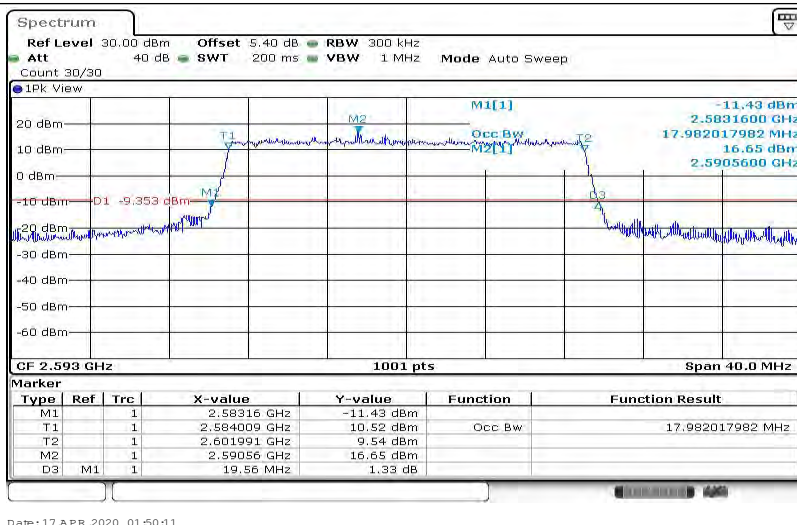


Band41-20MHz-16QAM-40620-100RB#0-17.982

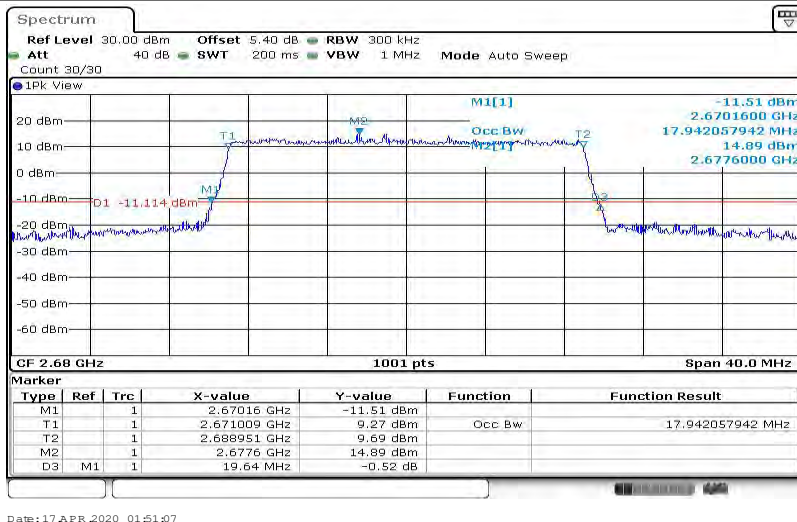


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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



Band41-20MHz-16QAM-41490-100RB#0-17.942



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

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](mailto:CN.Doccheck@sgs.com)

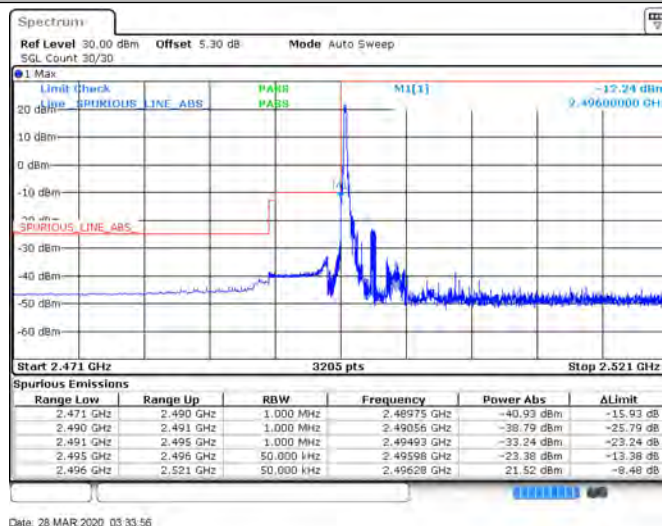
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



## 5. Band Edge Compliance

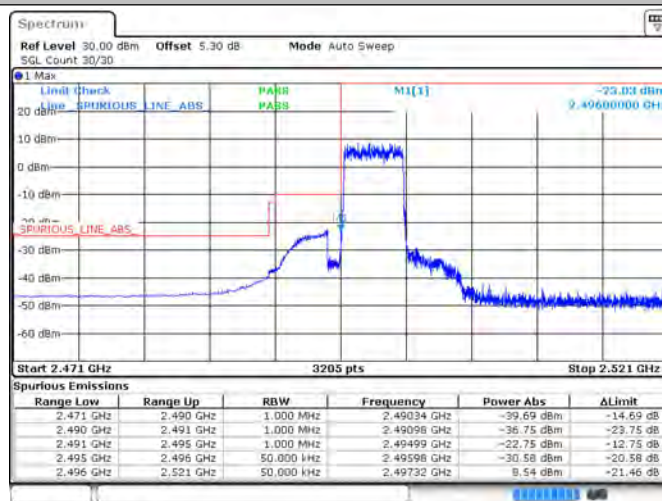
### 5.1. Test Plots

Band41\_5MHz\_QPSK\_39675\_1RB#0



Date: 28 MAR 2020 03:33:56

Band41\_5MHz\_QPSK\_39675\_25RB#0



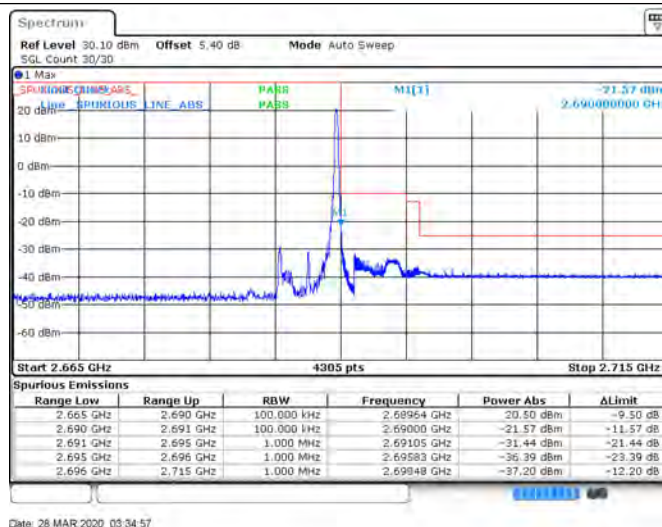
Date: 28 MAR 2020 03:34:06

Band41\_5MHz\_QPSK\_41565\_1RB#24

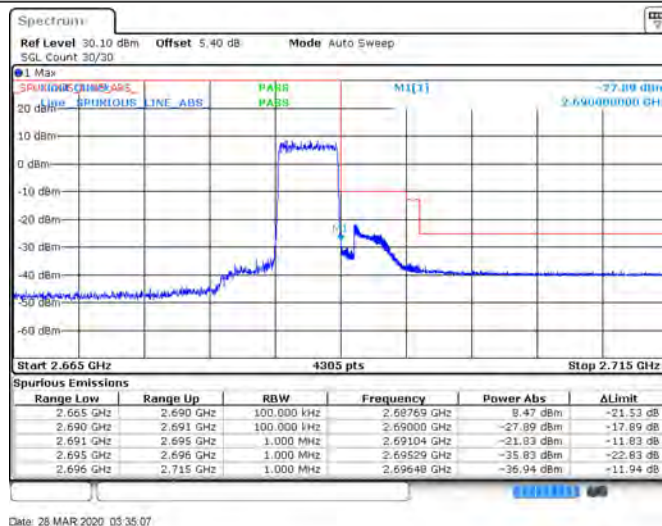


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

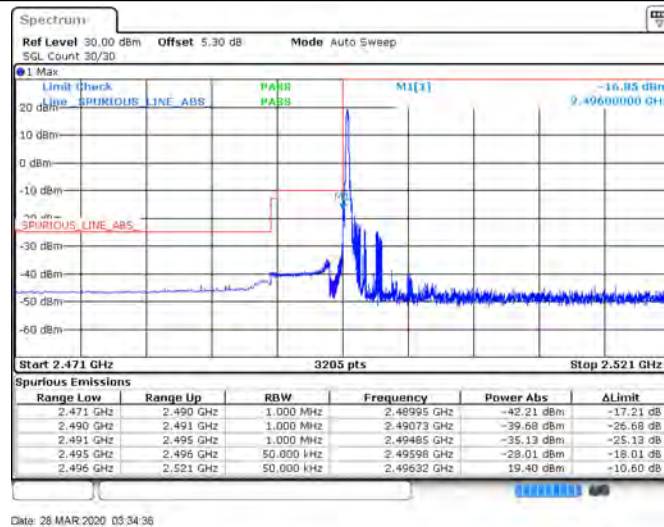


Band41\_5MHz\_QPSK\_41565\_25RB#0

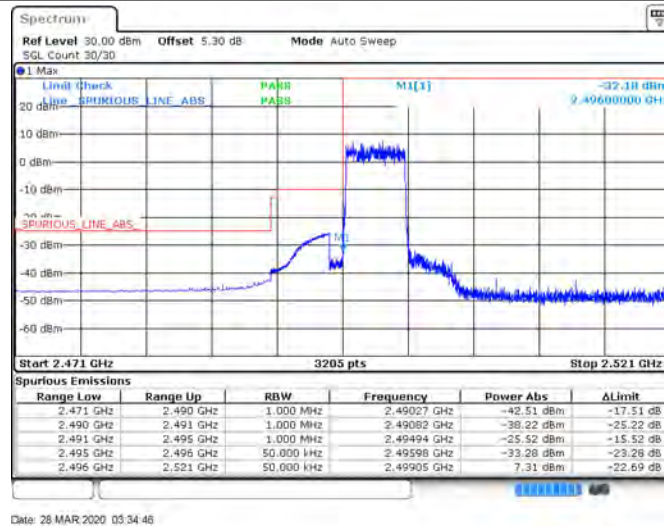


Band41\_5MHz\_64QAM\_39675\_1RB#0

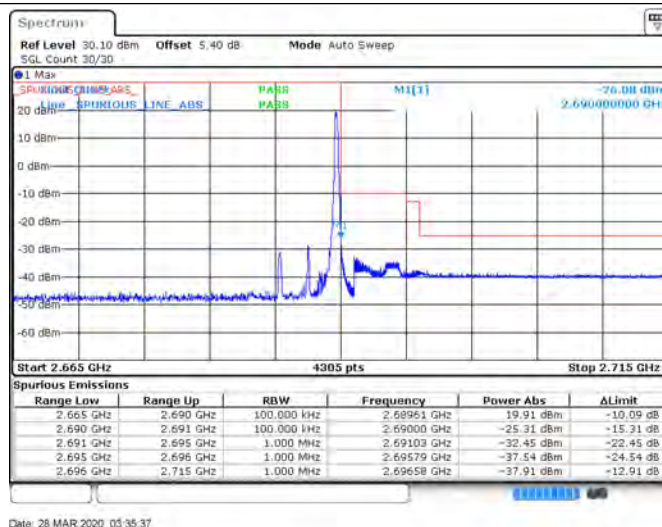




Band41\_5MHz\_64QAM\_39675\_25RB#0

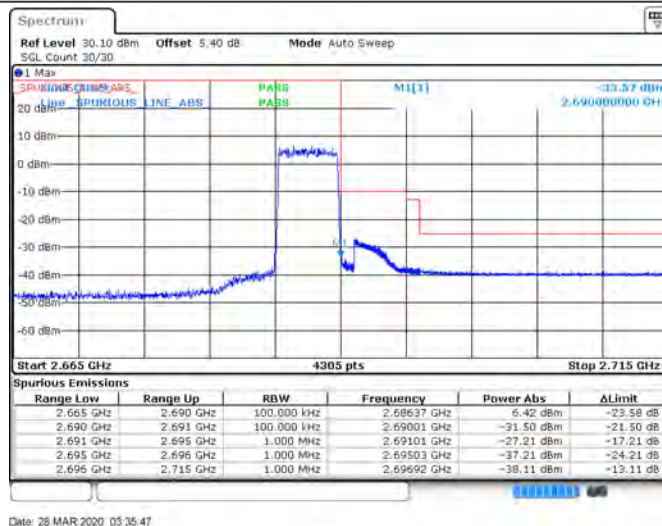


Band41\_5MHz\_64QAM\_41565\_1RB#24



Date: 26 MAR 2020 05:35:37

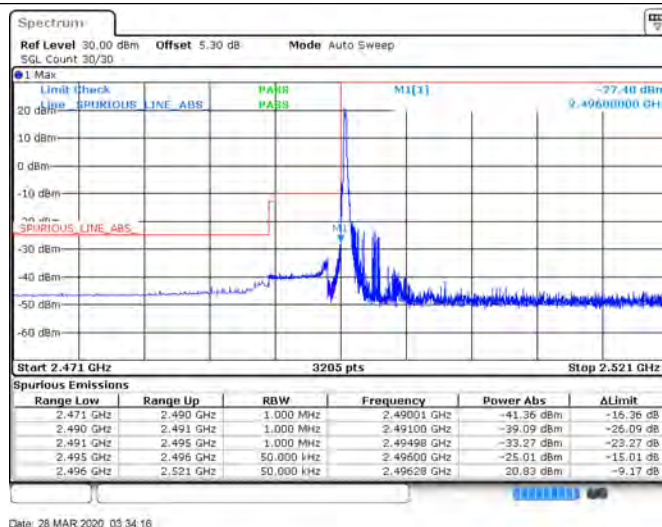
## Band41\_5MHz\_64QAM\_41565\_25RB#0



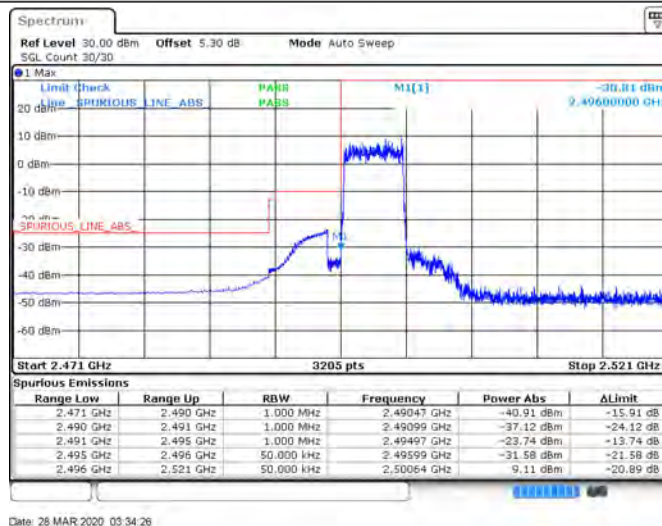
Date: 26 MAR 2020 05:35:47

## Band41\_5MHz\_16QAM\_39675\_1RB#0



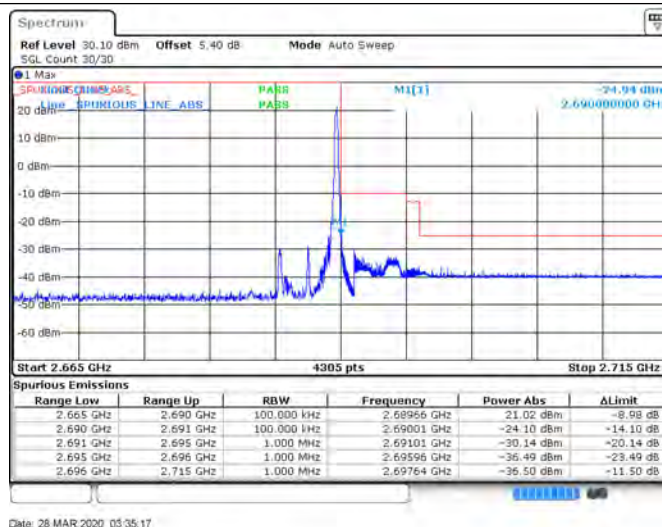


Band41\_5MHz\_16QAM\_39675\_25RB#0

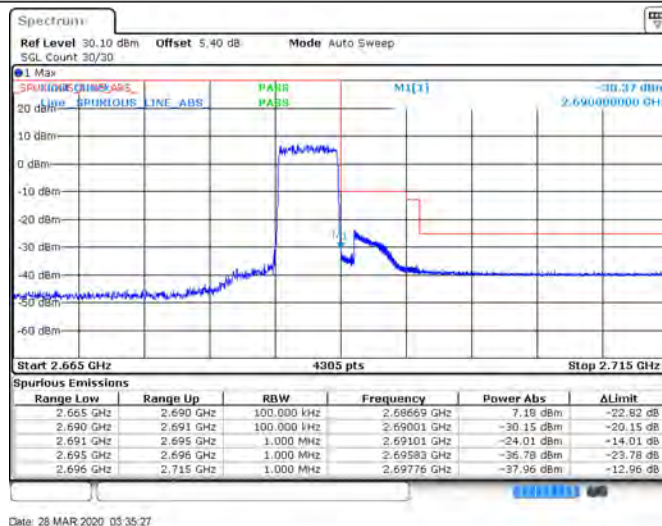


Band41\_5MHz\_16QAM\_41565\_1RB#24



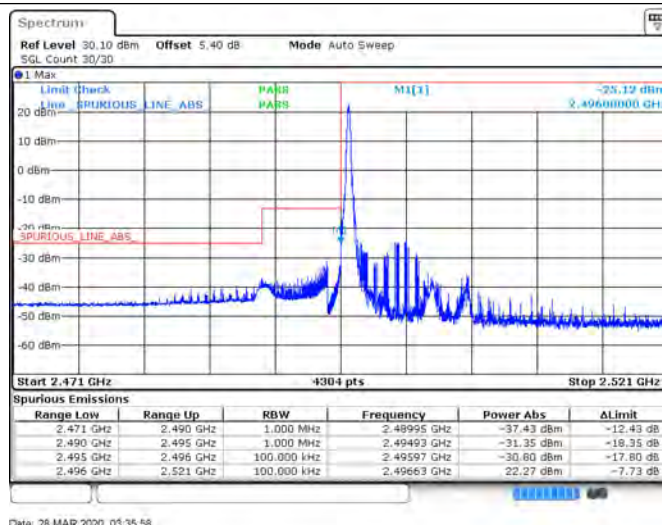


Band41\_5MHz\_16QAM\_41565\_25RB#0

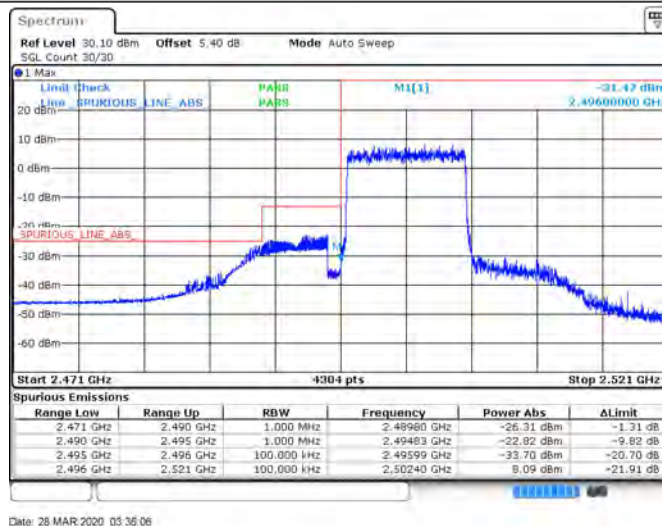


Band41\_10MHz\_QPSK\_39700\_1RB#0



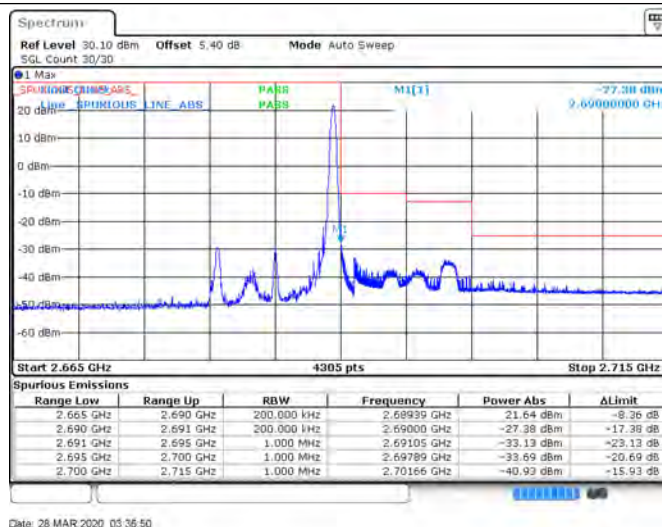


Band41\_10MHz\_QPSK\_39700\_50RB#0



Band41\_10MHz\_QPSK\_41540\_1RB#49





Date: 26 MAR 2020 05:36:50

Band41\_10MHz\_QPSK\_41540\_50RB#0



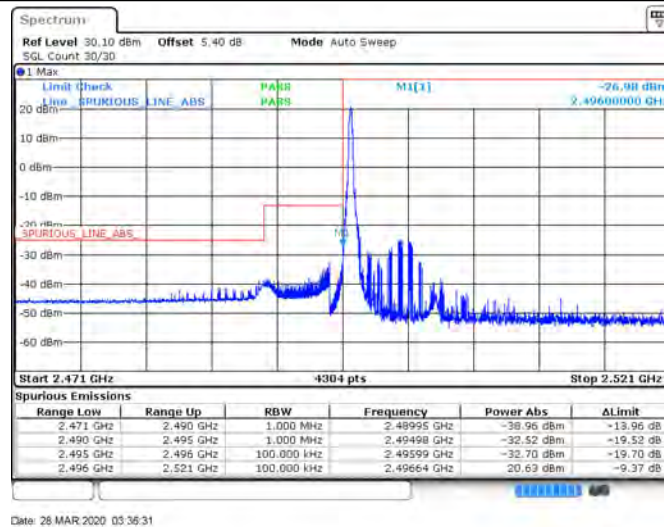
Date: 26 MAR 2020 05:37:00

Band41\_10MHz\_64QAM\_39700\_1RB#0

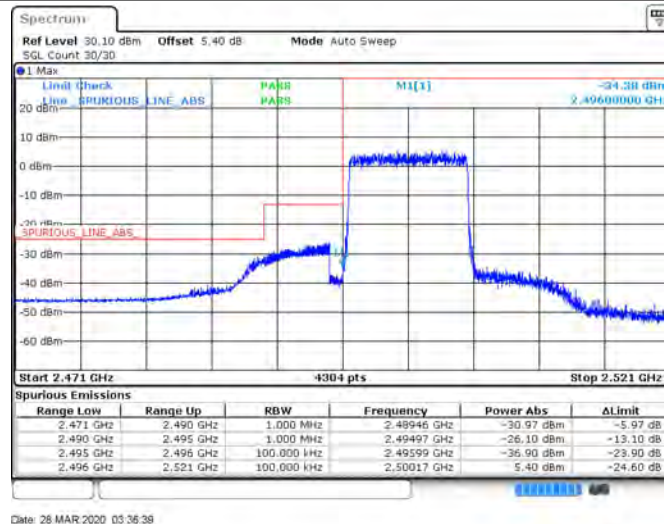


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

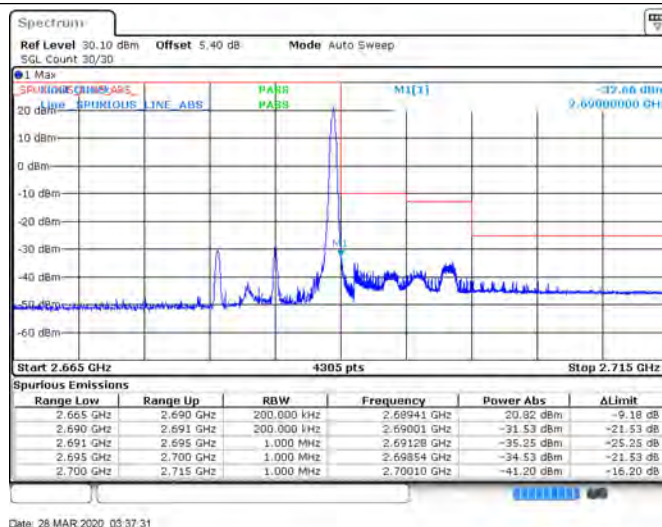


Band41\_10MHz\_64QAM\_39700\_50RB#0



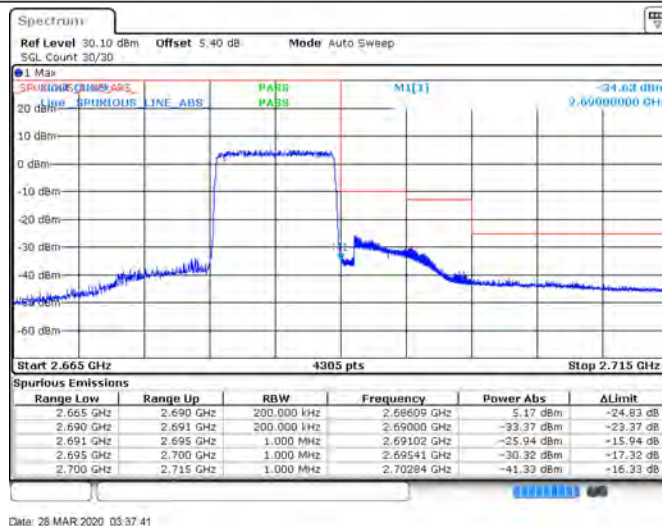
Band41\_10MHz\_64QAM\_41540\_1RB#49





Date: 26 MAR 2020 05:37:31

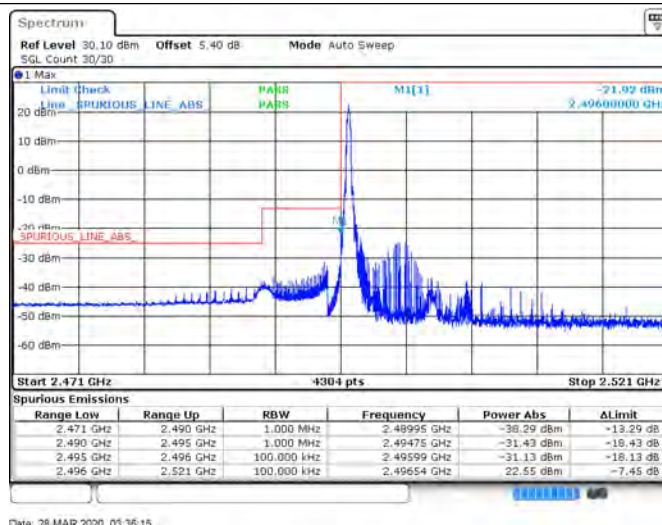
## Band41\_10MHz\_64QAM\_41540\_50RB#0



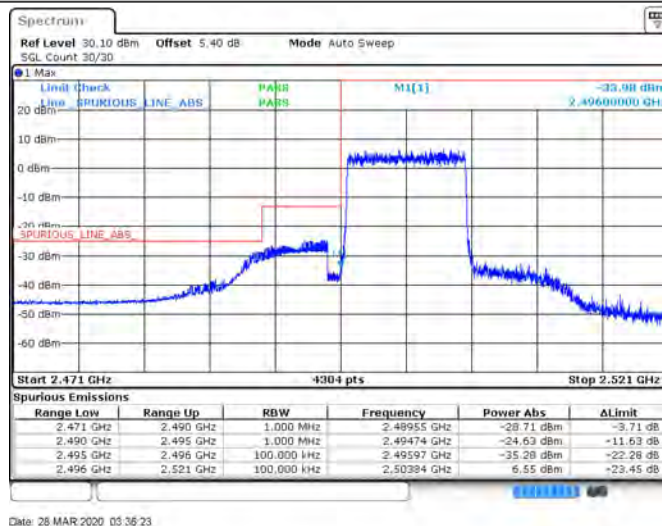
Date: 26 MAR 2020 05:37:41

## Band41\_10MHz\_16QAM\_39700\_1RB#0



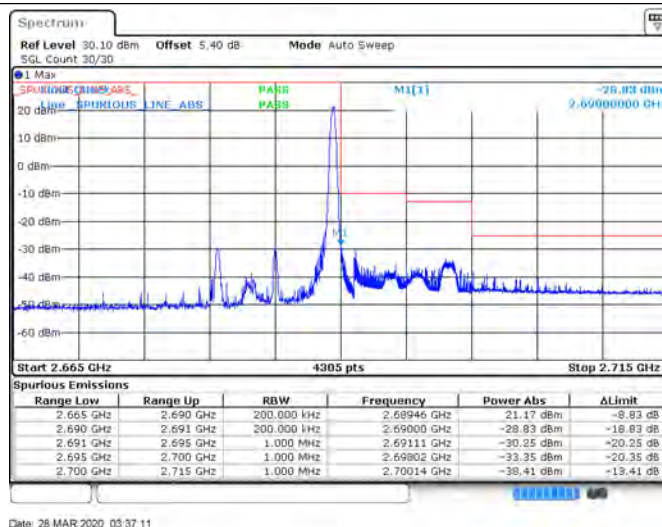


Band41\_10MHz\_16QAM\_39700\_50RB#0

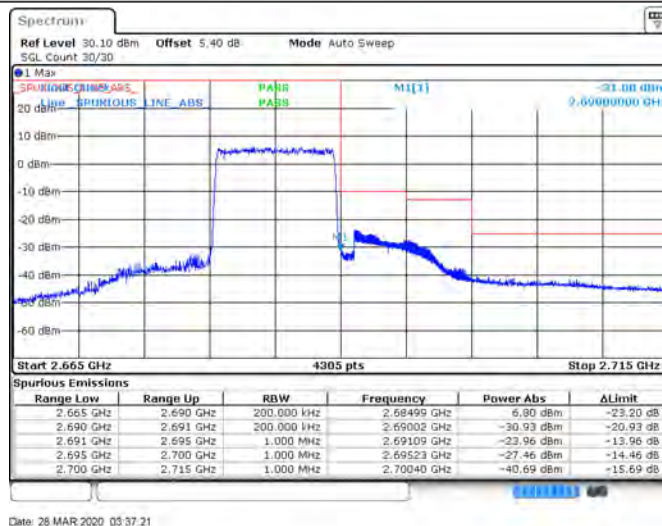


Band41\_10MHz\_16QAM\_41540\_1RB#49



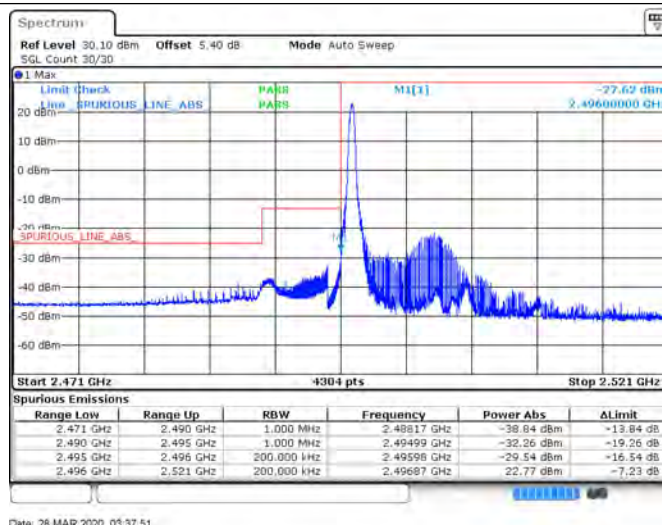


Band41\_10MHz\_16QAM\_41540\_50RB#0

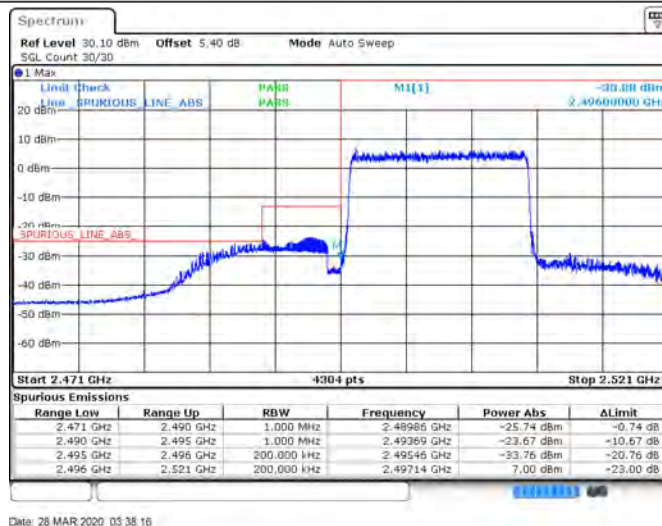


Band41\_15MHz\_QPSK\_39725\_1RB#0



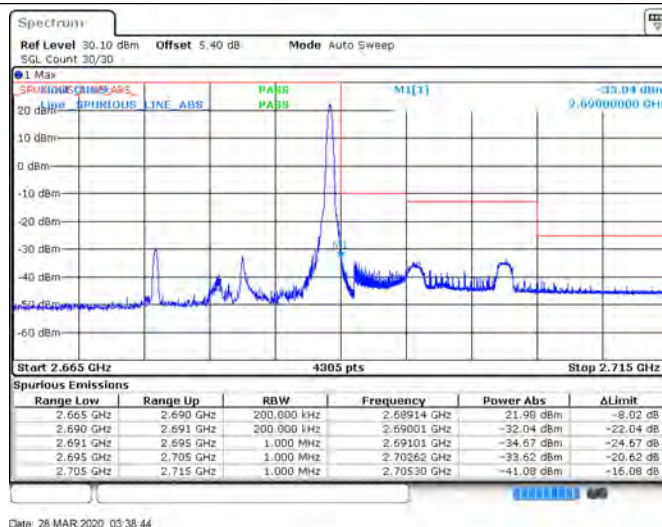


Band41\_15MHz\_QPSK\_39725\_75RB#0

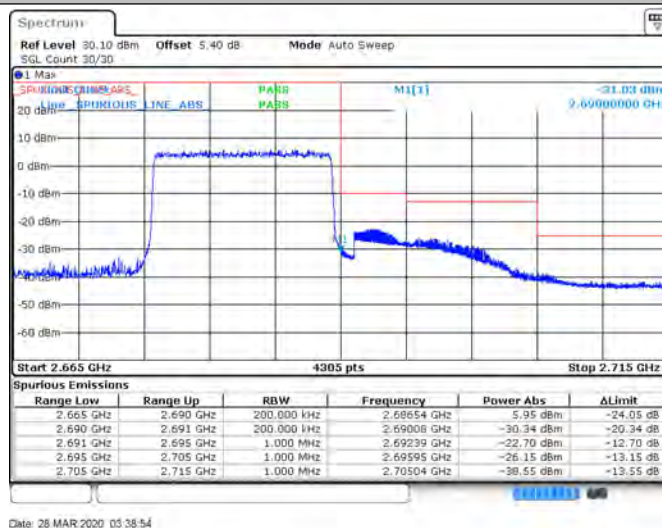


Band41\_15MHz\_QPSK\_41515\_1RB#74



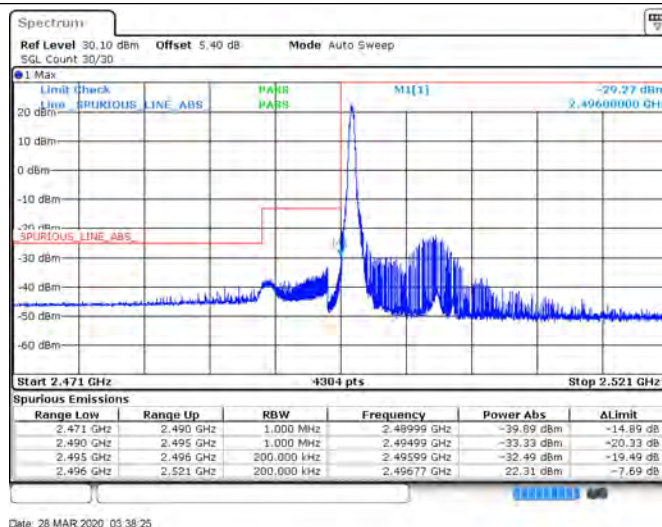


Band41\_15MHz\_QPSK\_41515\_75RB#0



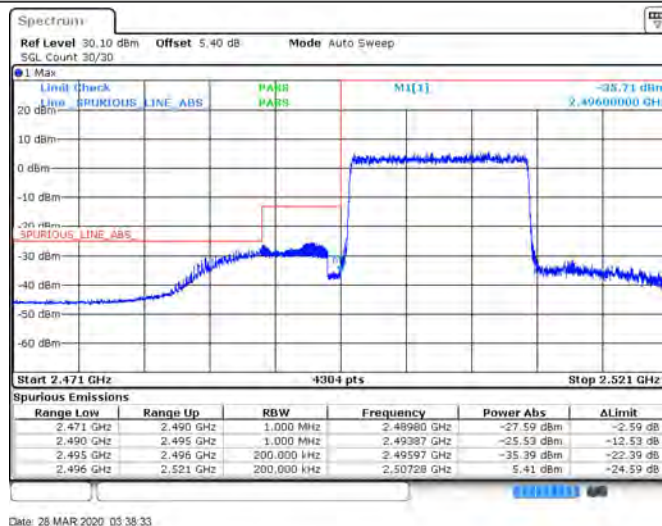
Band41\_15MHz\_64QAM\_39725\_1RB#0





Date: 26 MAR 2020 03:38:25

## Band41\_15MHz\_64QAM\_39725\_75RB#0



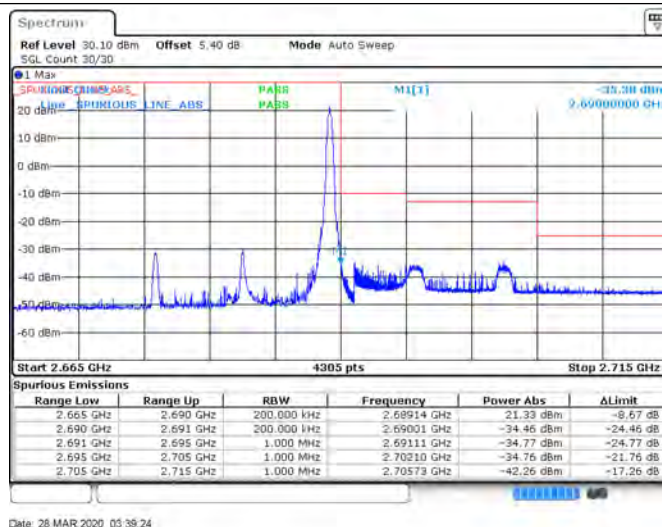
Date: 26 MAR 2020 03:38:33

## Band41\_15MHz\_64QAM\_41515\_1RB#74

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.

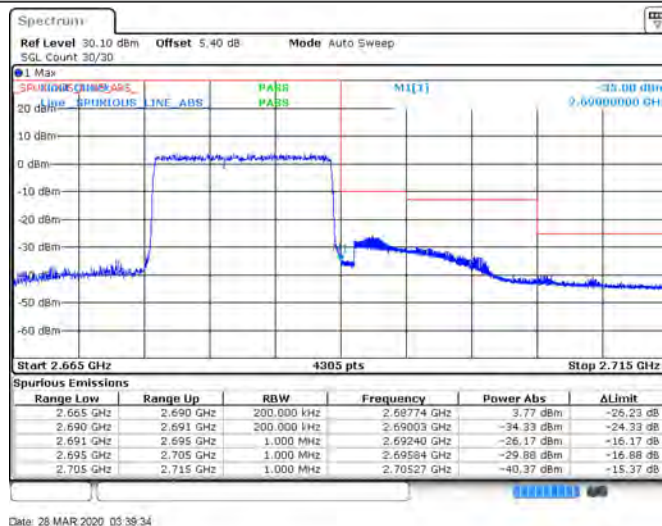
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 83071443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)  
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 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





Date: 26 MAR 2020 05:38:24

## Band41\_15MHz\_64QAM\_41515\_75RB#0



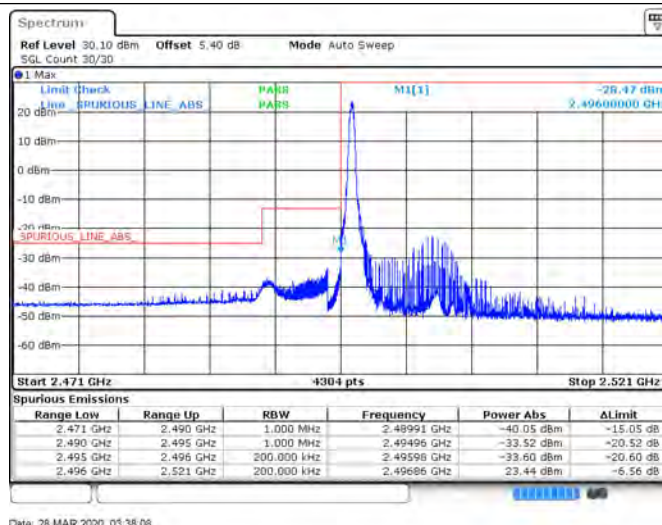
Date: 26 MAR 2020 05:38:34

## Band41\_15MHz\_16QAM\_39725\_1RB#0

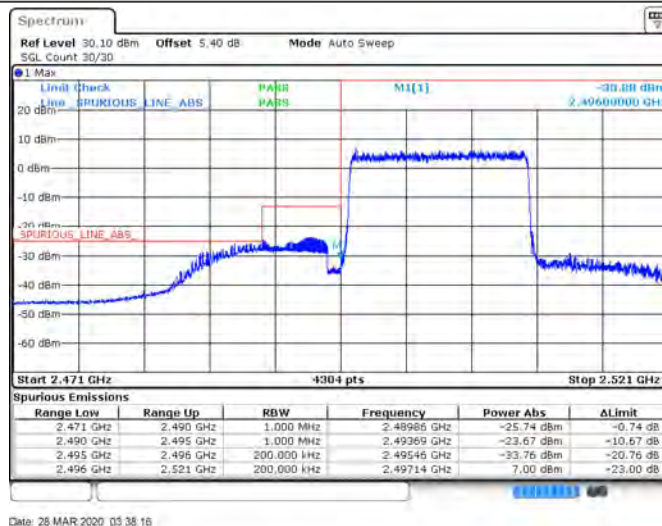


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

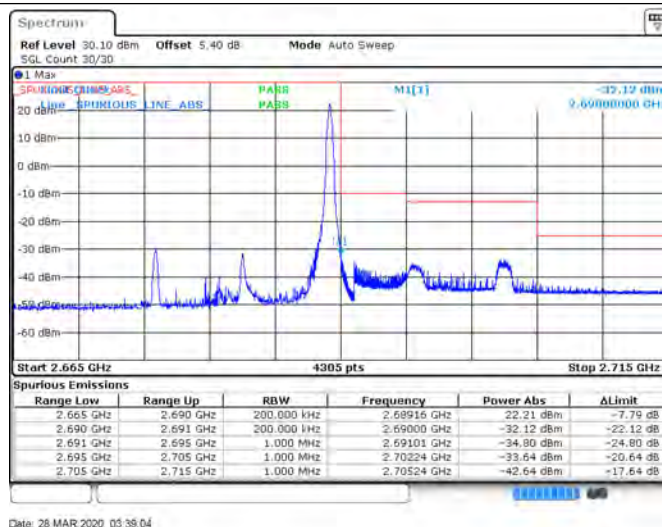


Band41\_15MHz\_16QAM\_39725\_75RB#0

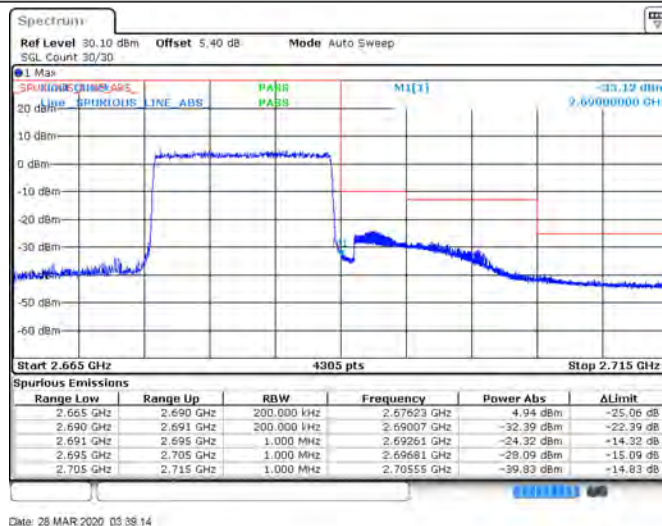


Band41\_15MHz\_16QAM\_41515\_1RB#74



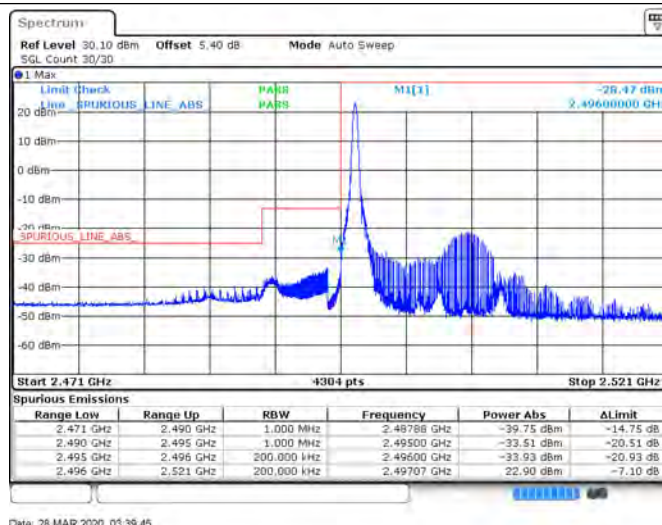


Band41\_15MHz\_16QAM\_41515\_75RB#0

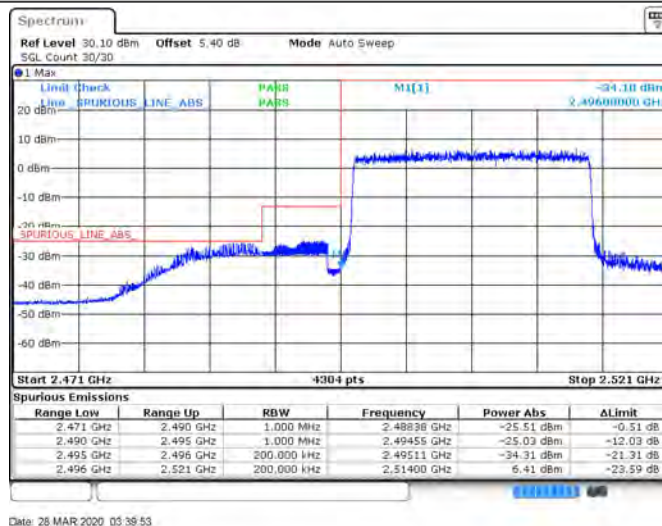


Band41\_20MHz\_QPSK\_39750\_1RB#0



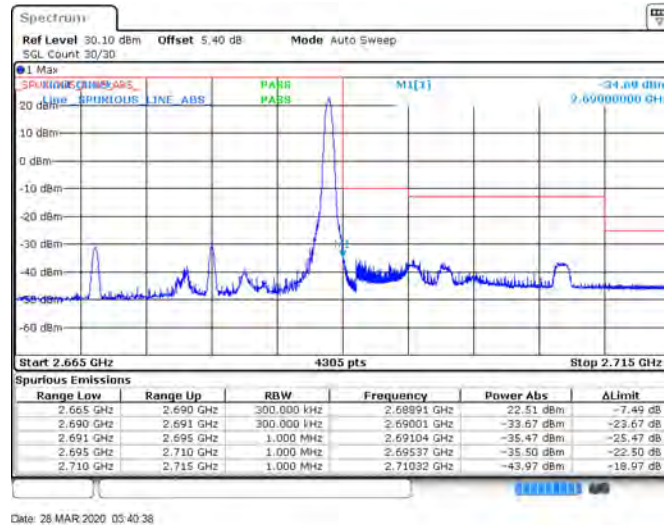


Band41\_20MHz\_QPSK\_39750\_100RB#0



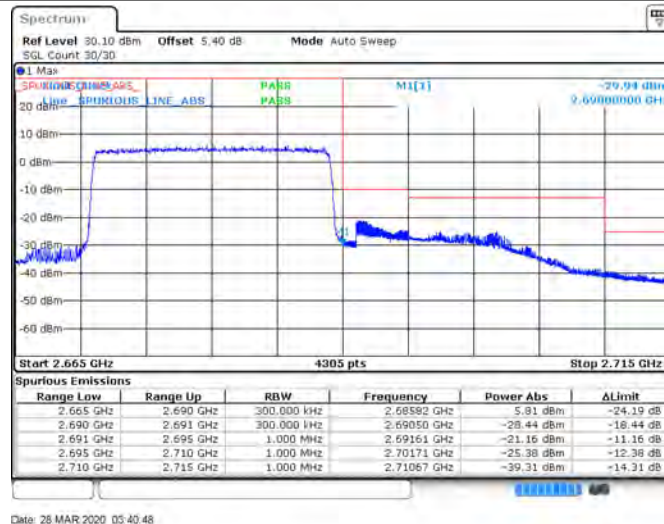
Band41\_20MHz\_QPSK\_41490\_1RB#99





Date: 26 MAR 2020 05:40:38

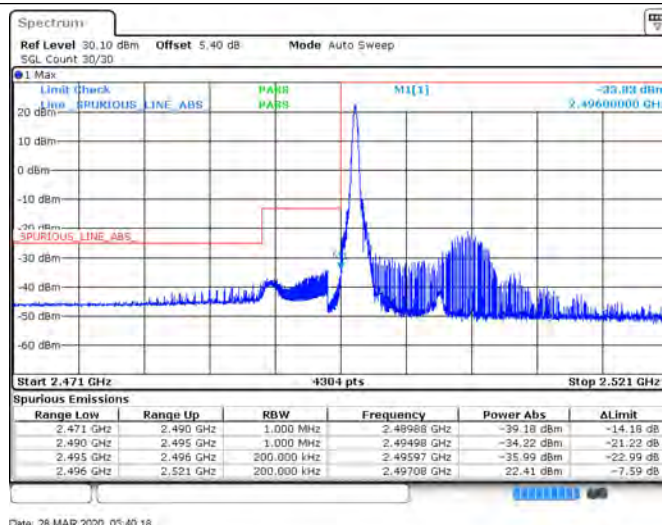
## Band41\_20MHz\_QPSK\_41490\_100RB#0



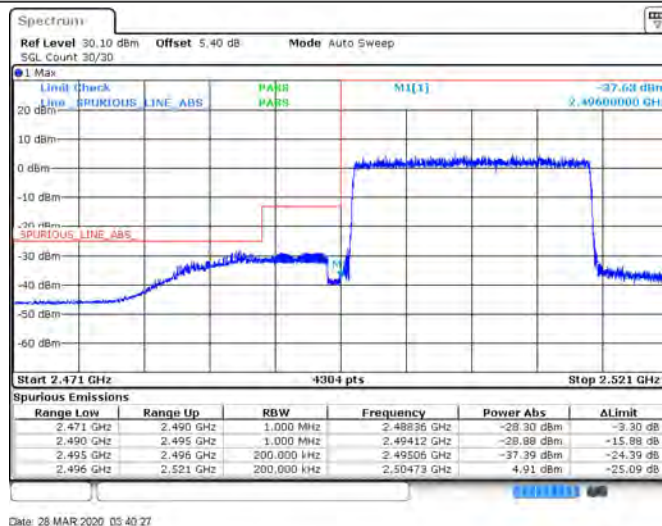
Date: 26 MAR 2020 05:40:48

## Band41\_20MHz\_64QAM\_39750\_1RB#0



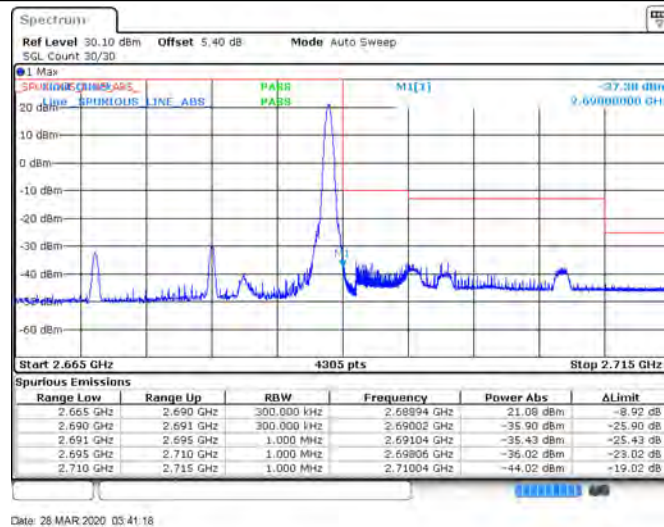


Band41\_20MHz\_64QAM\_39750\_100RB#0

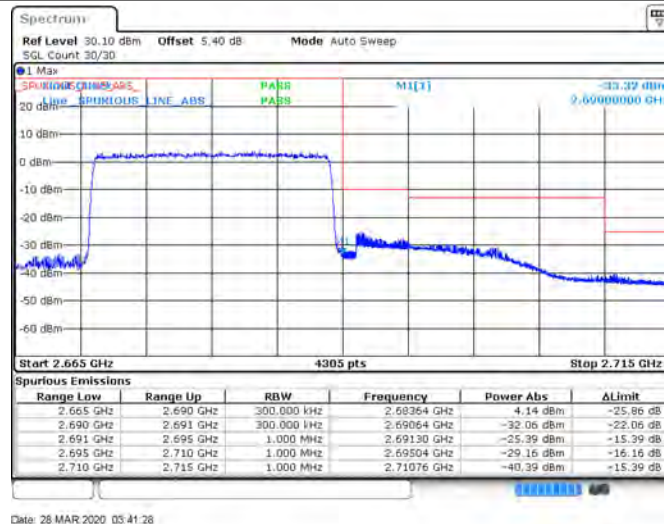


Band41\_20MHz\_64QAM\_41490\_1RB#99



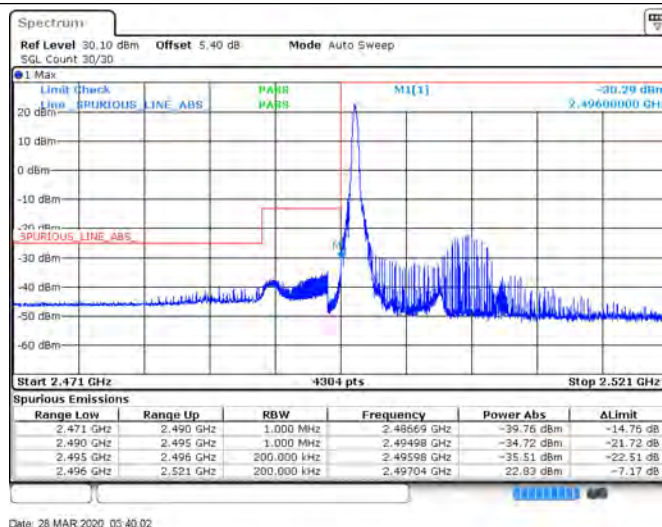


Band41\_20MHz\_64QAM\_41490\_100RB#0

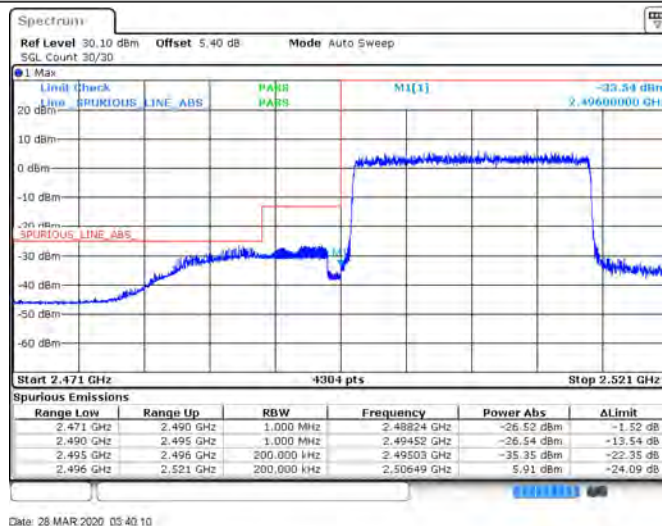


Band41\_20MHz\_16QAM\_39750\_1RB#0



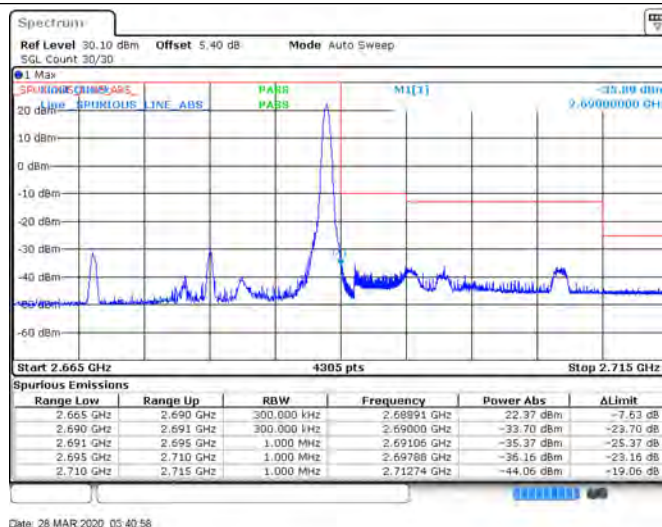


Band41\_20MHz\_16QAM\_39750\_100RB#0



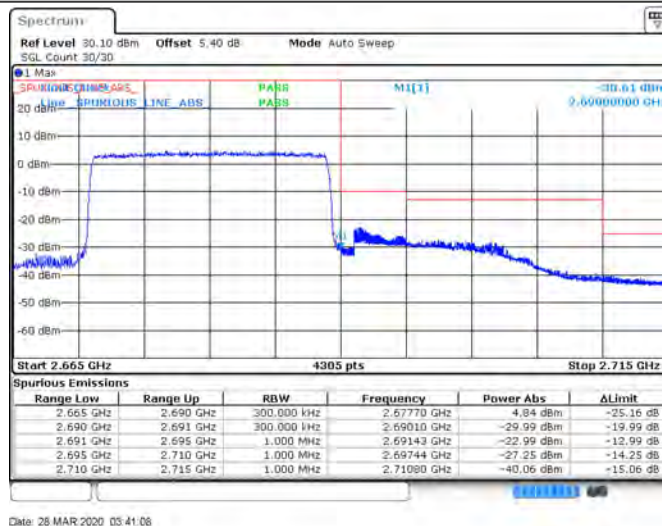
Band41\_20MHz\_16QAM\_41490\_1RB#99





Date: 26 MAR 2020 05:40:58

## Band41\_20MHz\_16QAM\_41490\_100RB#0



Date: 26 MAR 2020 05:41:06





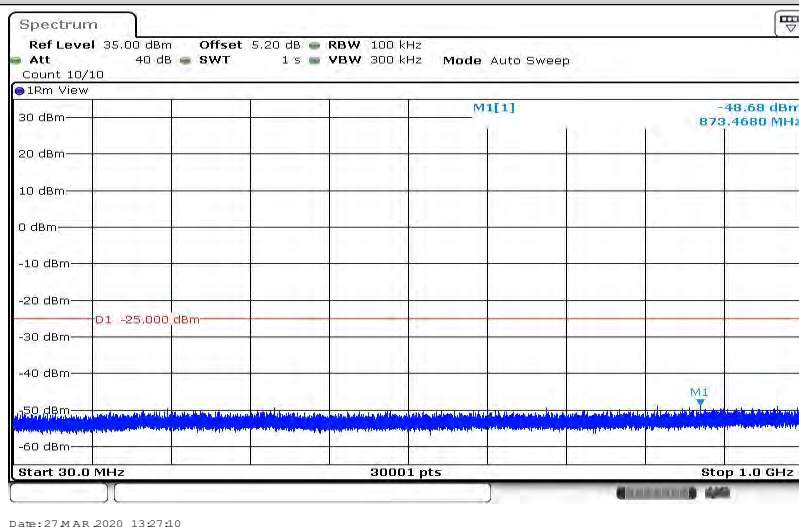
## 6. Spurious Emission at Antenna Terminal

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.

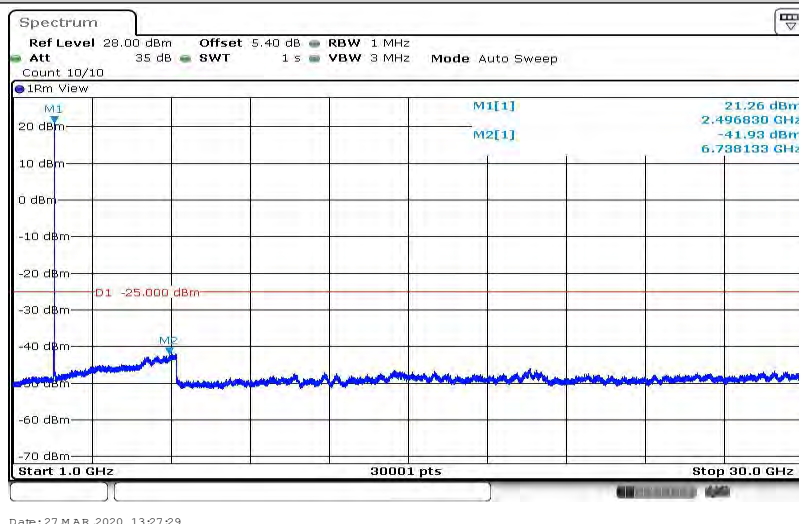
Remark2: only the worst case data displayed in this report.

### 6.1. Test Plots

Band41-20MHz-QPSK-39750-1RB#0-Range1:30~1000MHz



Band41-20MHz-QPSK-39750-1RB#0-Range2:1000~30000MHz

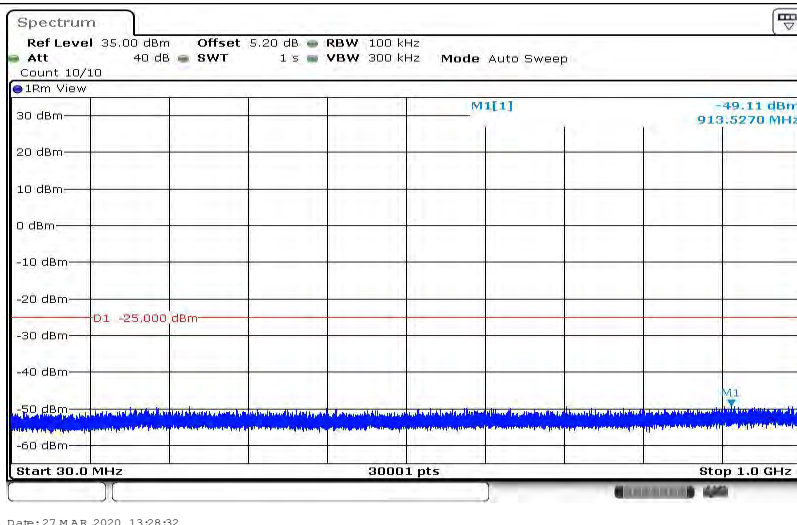


Band41-20MHz-QPSK-40620-1RB#0-Range1:30~1000MHz

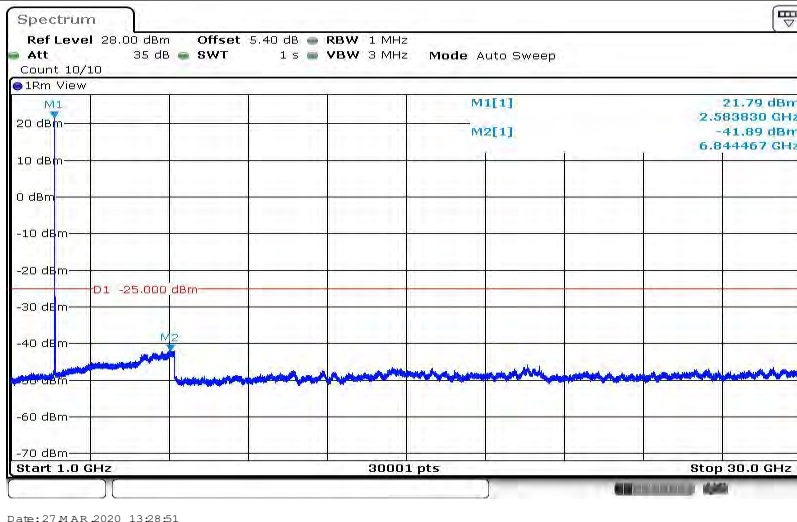


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

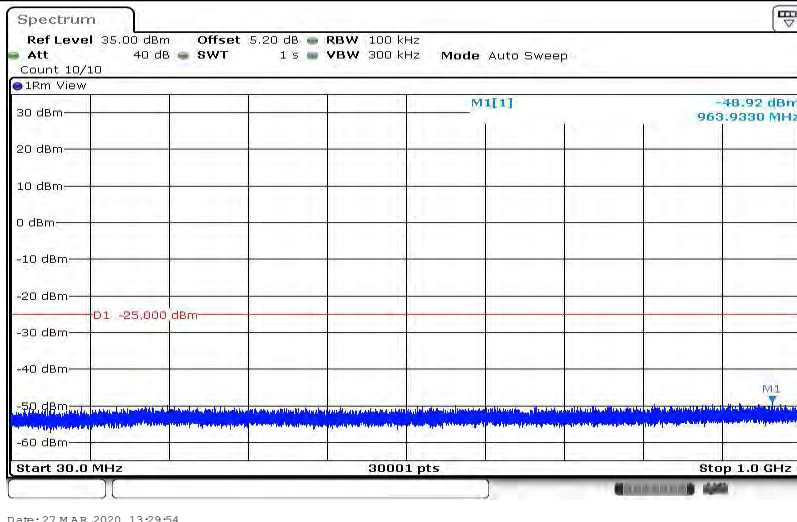


Band41-20MHz-QPSK-40620-1RB#0-Range2:1000~30000MHz

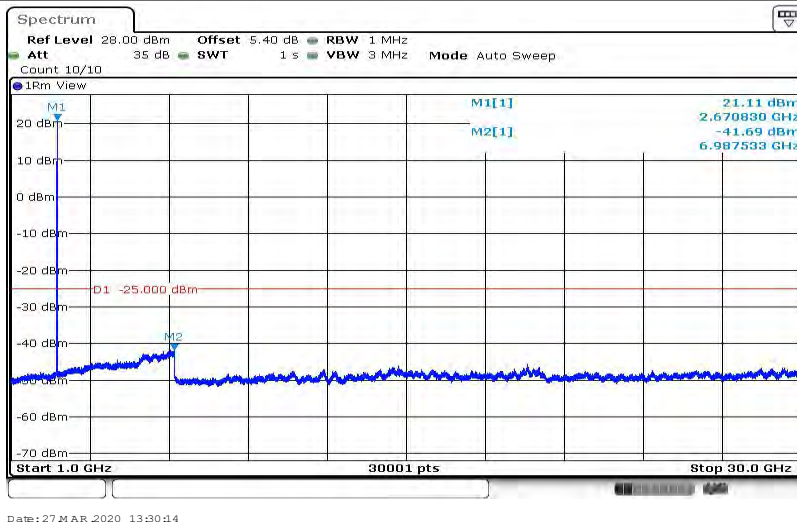


Band41-20MHz-QPSK-41490-1RB#0-Range1:30~1000MHz



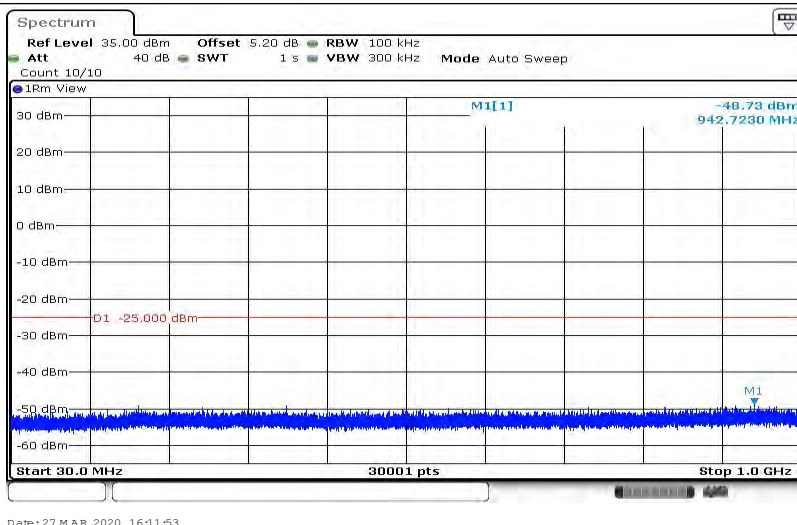


Band41-20MHz-QPSK-41490-1RB#0-Range2:1000~30000MHz

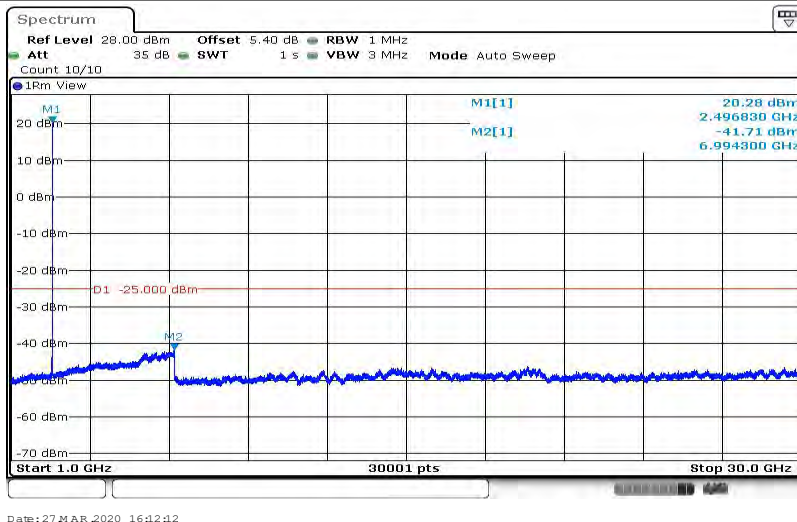


Band41-20MHz-64QAM-39750-1RB#0-Range1:30~1000MHz



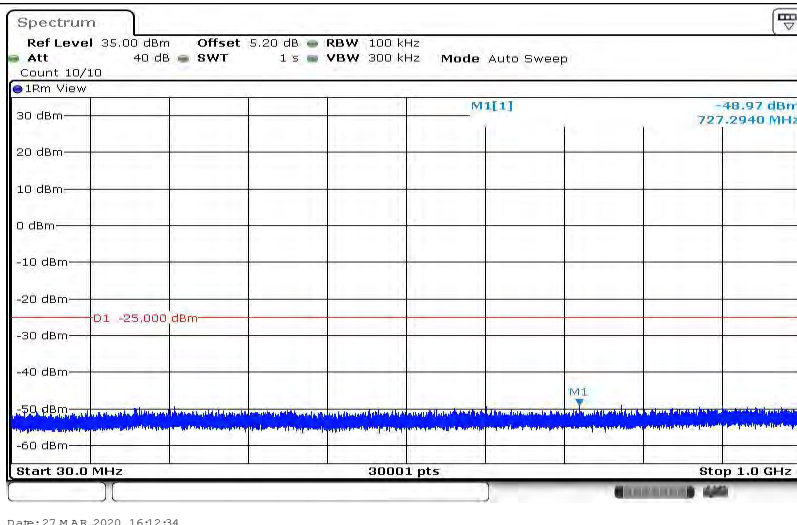


Band41-20MHz-64QAM-39750-1RB#0-Range2:1000~30000MHz

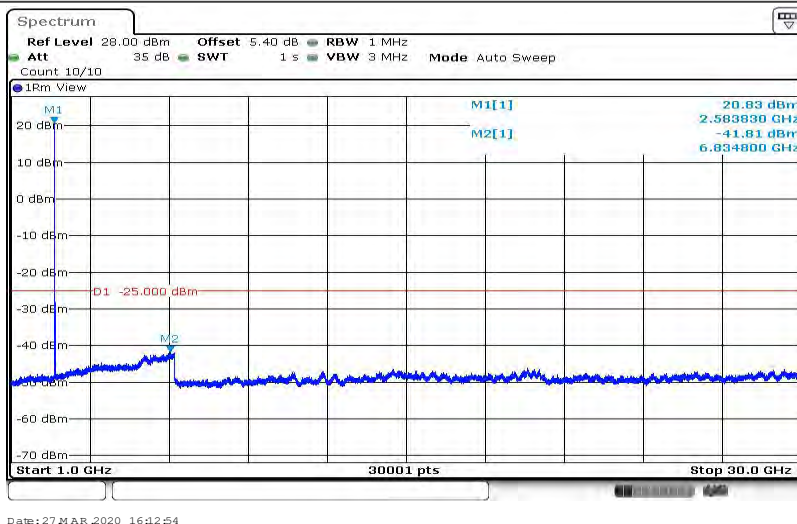


Band41-20MHz-64QAM-40620-1RB#0-Range1:30~1000MHz



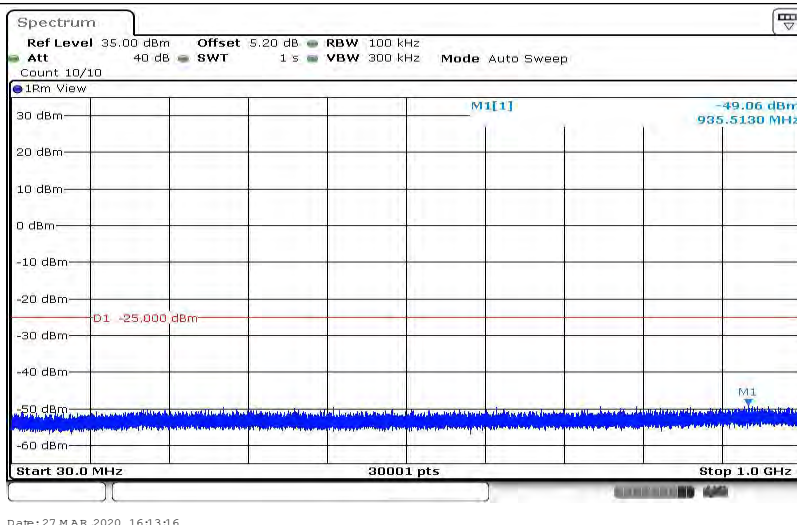


Band41-20MHz-64QAM-40620-1RB#0-Range2:1000~30000MHz

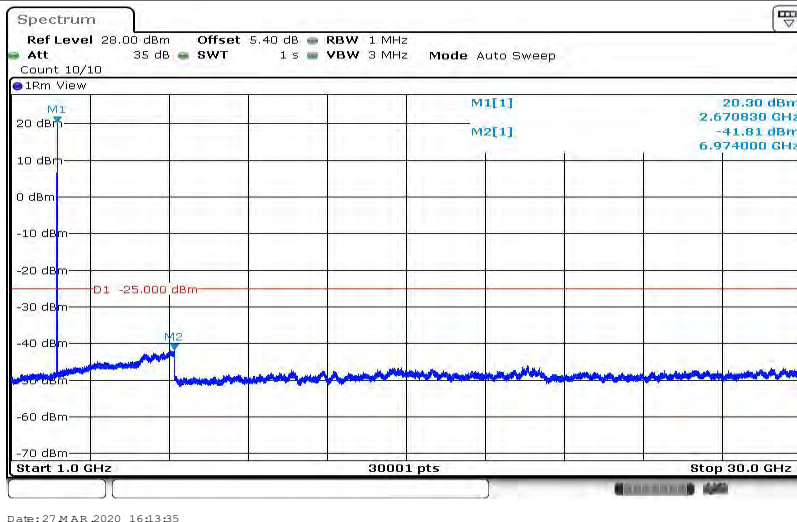


Band41-20MHz-64QAM-41490-1RB#0-Range1:30~1000MHz





Band41-20MHz-64QAM-41490-1RB#0-Range2:1000~30000MHz



Band41-20MHz-16QAM-39750-1RB#0-Range1:30~1000MHz

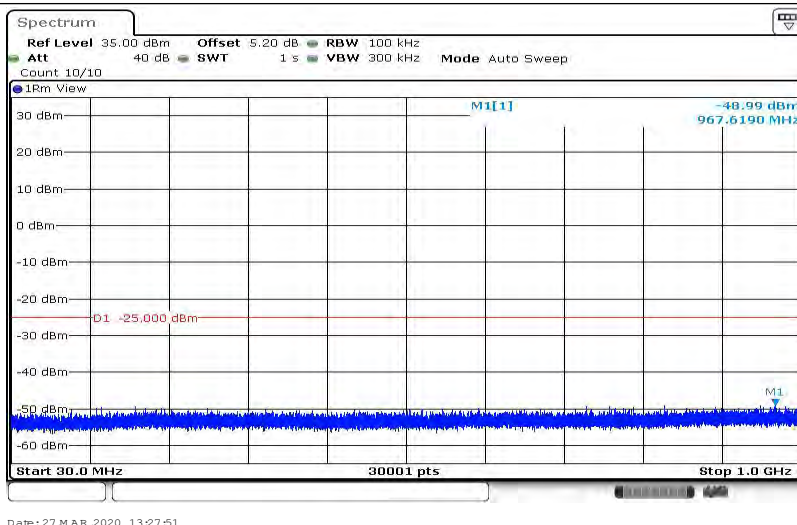


SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch

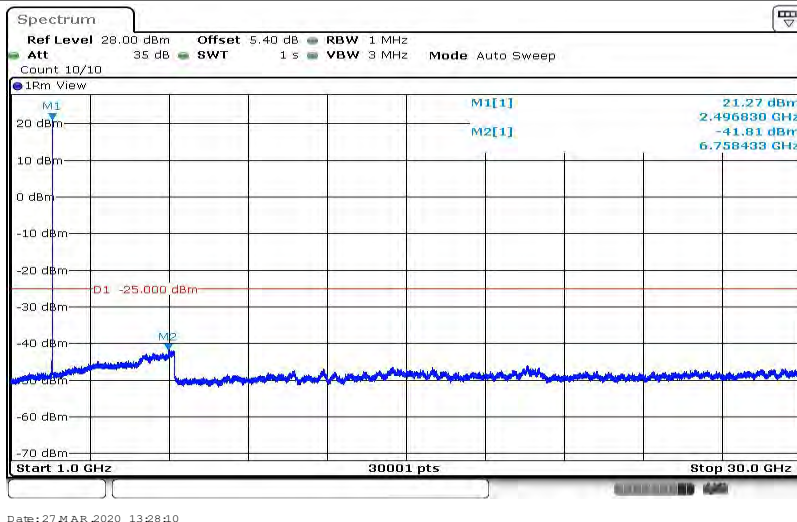
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

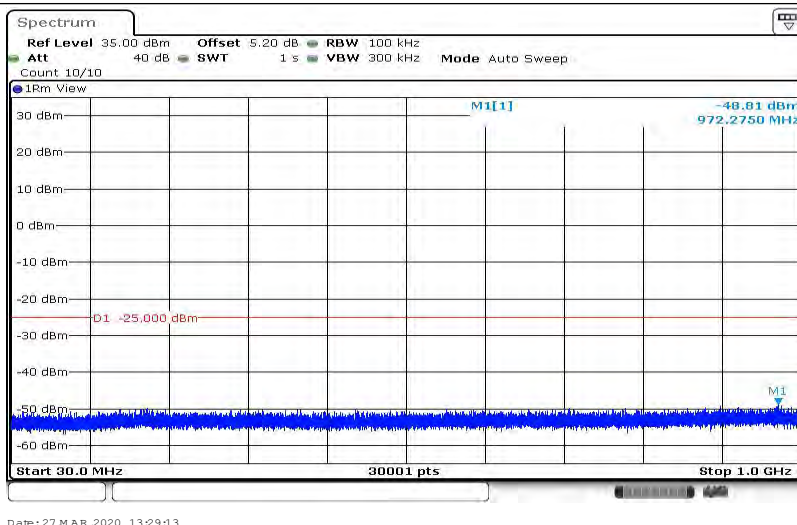


Band41-20MHz-16QAM-39750-1RB#0-Range2:1000~30000MHz

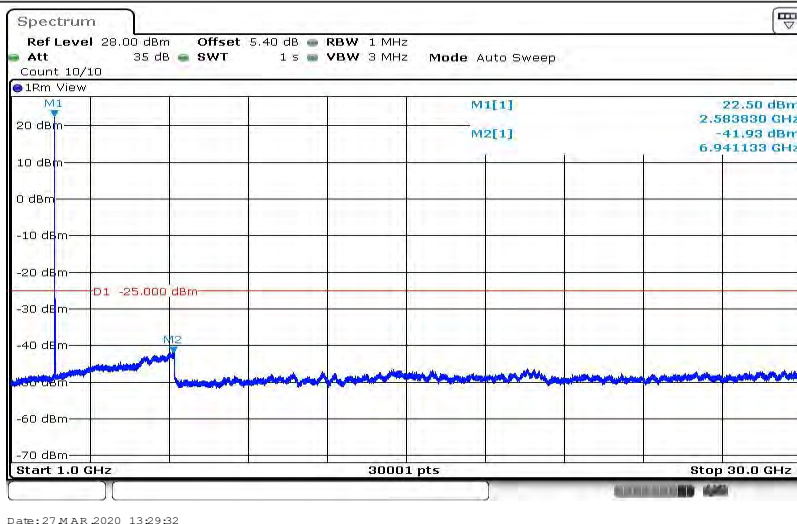


Band41-20MHz-16QAM-40620-1RB#0-Range1:30~1000MHz



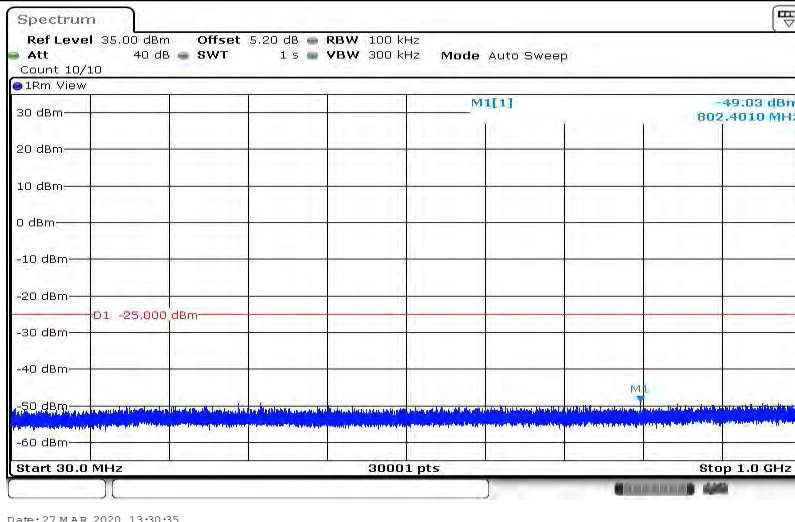


Band41-20MHz-16QAM-40620-1RB#0-Range2:1000~30000MHz

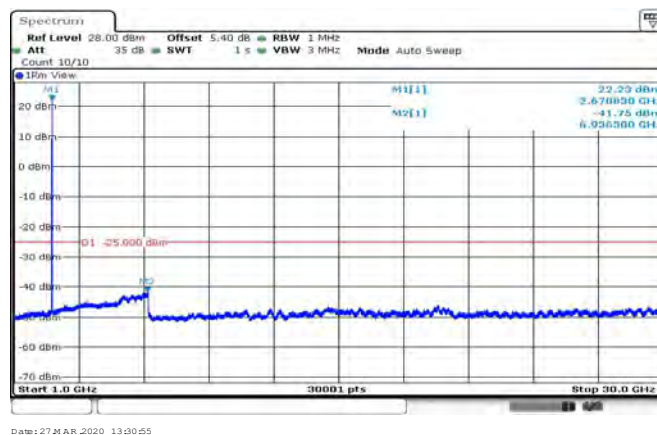


Band41-20MHz-16QAM-41490-1RB#0-Range1:30~1000MHz





Band41-20MHz-16QAM-41490-1RB#0-Range2:1000~30000MHz





## 7. Field Strength of Spurious Radiation

### 7.1. Test Mode =LTE/TM1 (Down Ant)

#### 7.1.1. Test Channel = LCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 103.2872        | -65.04      | -25.00           | 40.04       | Vertical     |
| 741.0456        | -61.77      | -25.00           | 36.77       | Vertical     |
| 1716.5433       | -43.85      | -25.00           | 18.85       | Vertical     |
| 7290.6430       | -56.02      | -25.00           | 31.02       | Vertical     |
| 14480.8827      | -46.35      | -25.00           | 21.35       | Vertical     |
| 17995.4999      | -38.95      | -25.00           | 13.95       | Vertical     |
| 43.7747         | -64.36      | -25.00           | 39.36       | Horizontal   |
| 519.2440        | -65.64      | -25.00           | 40.64       | Horizontal   |
| 1613.3227       | -44.62      | -25.00           | 19.62       | Horizontal   |
| 7478.1493       | -54.54      | -25.00           | 29.54       | Horizontal   |
| 16401.4467      | -42.80      | -25.00           | 17.80       | Horizontal   |
| 17999.0000      | -43.60      | -25.00           | 18.60       | Horizontal   |

#### 7.1.2. Test Channel = MCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 110.0290        | -65.26      | -25.00           | 40.26       | Vertical     |
| 639.1420        | -64.01      | -25.00           | 39.01       | Vertical     |
| 1785.3571       | -43.84      | -25.00           | 18.84       | Vertical     |
| 7352.1451       | -54.26      | -25.00           | 29.26       | Vertical     |
| 14703.8901      | -46.79      | -25.00           | 21.79       | Vertical     |
| 17998.5000      | -38.80      | -25.00           | 13.80       | Vertical     |
| 40.8160         | -63.59      | -25.00           | 38.59       | Horizontal   |
| 598.4969        | -64.32      | -25.00           | 39.32       | Horizontal   |
| 1601.3203       | -44.63      | -25.00           | 19.63       | Horizontal   |
| 7483.6495       | -55.01      | -25.00           | 30.01       | Horizontal   |
| 16397.4466      | -42.87      | -25.00           | 17.87       | Horizontal   |
| 17996.9999      | -43.55      | -25.00           | 18.55       | 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-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](mailto:CN.Doccheck@sgs.com)

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



### 7.1.3. Test Channel = HCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 110.2230        | -64.60      | -25.00           | 39.60       | Vertical     |
| 604.5597        | -63.89      | -25.00           | 38.89       | Vertical     |
| 1780.9562       | -43.78      | -25.00           | 18.78       | Vertical     |
| 7325.6442       | -54.93      | -25.00           | 29.93       | Vertical     |
| 14473.3824      | -46.49      | -25.00           | 21.49       | Vertical     |
| 17997.9999      | -38.50      | -25.00           | 13.50       | Vertical     |
| 40.7675         | -64.12      | -25.00           | 39.12       | Horizontal   |
| 577.7379        | -63.94      | -25.00           | 38.94       | Horizontal   |
| 1795.3591       | -43.14      | -25.00           | 18.14       | Horizontal   |
| 7456.1485       | -55.36      | -25.00           | 30.36       | Horizontal   |
| 16398.9466      | -42.83      | -25.00           | 17.83       | Horizontal   |
| 17999.5000      | -43.16      | -25.00           | 18.16       | Horizontal   |

## 7.2. Test Mode =LTE/TM1 (Up Ant)

### 7.2.1. Test Channel = LCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 78.9389         | -67.89      | -25.00           | 42.89       | Vertical     |
| 117.4499        | -65.14      | -25.00           | 40.14       | Vertical     |
| 787.1229        | -62.81      | -25.00           | 37.81       | Vertical     |
| 2703.5407       | -37.21      | -25.00           | 12.21       | Vertical     |
| 7913.6638       | -55.02      | -25.00           | 30.02       | Vertical     |
| 17999.0000      | -38.32      | -25.00           | 13.32       | Vertical     |
| 44.5507         | -63.44      | -25.00           | 38.44       | Horizontal   |
| 245.7388        | -68.13      | -25.00           | 43.13       | Horizontal   |
| 825.4883        | -54.80      | -25.00           | 29.80       | Horizontal   |
| 2701.1402       | -36.03      | -25.00           | 11.03       | Horizontal   |
| 7371.6457       | -55.38      | -25.00           | 30.38       | Horizontal   |
| 16396.9466      | -42.84      | -25.00           | 17.84       | Horizontal   |

### 7.2.2. Test Channel = MCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 80.3455         | -67.98      | -25.00           | 42.98       | Vertical     |
| 110.1745        | -64.77      | -25.00           | 39.77       | Vertical     |
| 754.5777        | -61.90      | -25.00           | 36.90       | Vertical     |



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](mailto:CN.Doccheck@sgs.com)

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

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

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



|            |        |        |       |            |
|------------|--------|--------|-------|------------|
| 2694.7389  | -37.28 | -25.00 | 12.28 | Vertical   |
| 8029.1676  | -54.83 | -25.00 | 29.83 | Vertical   |
| 17999.0000 | -38.98 | -25.00 | 13.98 | Vertical   |
| 41.6891    | -64.15 | -25.00 | 39.15 | Horizontal |
| 236.3293   | -68.41 | -25.00 | 43.41 | Horizontal |
| 825.3913   | -54.49 | -25.00 | 29.49 | Horizontal |
| 2700.3401  | -35.78 | -25.00 | 10.78 | Horizontal |
| 7460.6487  | -55.40 | -25.00 | 30.40 | Horizontal |
| 16386.9462 | -42.85 | -25.00 | 17.85 | Horizontal |

### 7.2.3. Test Channel = HCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 72.1486         | -69.48      | -25.00           | 44.48       | Vertical     |
| 104.2572        | -64.74      | -25.00           | 39.74       | Vertical     |
| 871.9051        | -60.67      | -25.00           | 35.67       | Vertical     |
| 2999.1998       | -37.82      | -25.00           | 12.82       | Vertical     |
| 7460.6487       | -54.91      | -25.00           | 29.91       | Vertical     |
| 17995.9999      | -39.13      | -25.00           | 14.13       | Vertical     |
| 39.5065         | -64.24      | -25.00           | 39.24       | Horizontal   |
| 237.3479        | -68.46      | -25.00           | 43.46       | Horizontal   |
| 765.8788        | -62.18      | -25.00           | 37.18       | Horizontal   |
| 2984.3969       | -38.05      | -25.00           | 13.05       | Horizontal   |
| 10013.7338      | -52.07      | -25.00           | 27.07       | Horizontal   |
| 16396.4465      | -42.55      | -25.00           | 17.55       | Horizontal   |

#### Remark:

- 1 According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.
- 2 The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data displayed in this report.



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](mailto: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. Frequency Stability

### 8.1. Frequency Vs Voltage

| Band   | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|--------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band41 | 20MHz     | QPSK       | 39750   | 100RB#0      | VL            | NT               | -2.10          | -0.000838       | ±2.5        | PASS    |
| Band41 | 20MHz     | QPSK       | 39750   | 100RB#0      | VN            | NT               | -2.60          | -0.001038       | ±2.5        | PASS    |
| Band41 | 20MHz     | QPSK       | 39750   | 100RB#0      | VH            | NT               | -5.10          | -0.002035       | ±2.5        | PASS    |
| Band41 | 20MHz     | QPSK       | 40620   | 100RB#0      | VL            | NT               | -5.20          | -0.002005       | ±2.5        | PASS    |
| Band41 | 20MHz     | QPSK       | 40620   | 100RB#0      | VN            | NT               | -7.40          | -0.002854       | ±2.5        | PASS    |
| Band41 | 20MHz     | QPSK       | 40620   | 100RB#0      | VH            | NT               | -6.30          | -0.002430       | ±2.5        | PASS    |
| Band41 | 20MHz     | QPSK       | 41490   | 100RB#0      | VL            | NT               | -12.50         | -0.004664       | ±2.5        | PASS    |
| Band41 | 20MHz     | QPSK       | 41490   | 100RB#0      | VN            | NT               | -12.60         | -0.004701       | ±2.5        | PASS    |
| Band41 | 20MHz     | QPSK       | 41490   | 100RB#0      | VH            | NT               | -14.20         | -0.005299       | ±2.5        | PASS    |
| Band41 | 20MHz     | 64QAM      | 39750   | 100RB#0      | VL            | NT               | -3.80          | -0.001516       | ±2.5        | PASS    |
| Band41 | 20MHz     | 64QAM      | 39750   | 100RB#0      | VN            | NT               | -1.40          | -0.000559       | ±2.5        | PASS    |
| Band41 | 20MHz     | 64QAM      | 39750   | 100RB#0      | VH            | NT               | -4.40          | -0.001756       | ±2.5        | PASS    |
| Band41 | 20MHz     | 64QAM      | 40620   | 100RB#0      | VL            | NT               | -13.50         | -0.005206       | ±2.5        | PASS    |
| Band41 | 20MHz     | 64QAM      | 40620   | 100RB#0      | VN            | NT               | -10.20         | -0.003934       | ±2.5        | PASS    |
| Band41 | 20MHz     | 64QAM      | 40620   | 100RB#0      | VH            | NT               | -8.40          | -0.003239       | ±2.5        | PASS    |
| Band41 | 20MHz     | 64QAM      | 41490   | 100RB#0      | VL            | NT               | -2.20          | -0.000821       | ±2.5        | PASS    |
| Band41 | 20MHz     | 64QAM      | 41490   | 100RB#0      | VN            | NT               | 1.40           | 0.000522        | ±2.5        | PASS    |
| Band41 | 20MHz     | 64QAM      | 41490   | 100RB#0      | VH            | NT               | -6.90          | -0.002575       | ±2.5        | PASS    |
| Band41 | 20MHz     | 16QAM      | 39750   | 100RB#0      | VL            | NT               | -3.60          | -0.001437       | ±2.5        | PASS    |
| Band41 | 20MHz     | 16QAM      | 39750   | 100RB#0      | VN            | NT               | -1.20          | -0.000479       | ±2.5        | PASS    |
| Band41 | 20MHz     | 16QAM      | 39750   | 100RB#0      | VH            | NT               | -14.80         | -0.005906       | ±2.5        | PASS    |
| Band41 | 20MHz     | 16QAM      | 40620   | 100RB#0      | VL            | NT               | -1.70          | -0.000656       | ±2.5        | PASS    |
| Band41 | 20MHz     | 16QAM      | 40620   | 100RB#0      | VN            | NT               | -11.90         | -0.004589       | ±2.5        | PASS    |
| Band41 | 20MHz     | 16QAM      | 40620   | 100RB#0      | VH            | NT               | -3.20          | -0.001234       | ±2.5        | PASS    |
| Band41 | 20MHz     | 16QAM      | 41490   | 100RB#0      | VL            | NT               | -8.50          | -0.003172       | ±2.5        | PASS    |
| Band41 | 20MHz     | 16QAM      | 41490   | 100RB#0      | VN            | NT               | -13.70         | -0.005112       | ±2.5        | PASS    |
| Band41 | 20MHz     | 16QAM      | 41490   | 100RB#0      | VH            | NT               | -3.80          | -0.001418       | ±2.5        | PASS    |

### 8.2. Frequency Vs Temperature

| Band   | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|--------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band41 | 20MHz     | QPSK       | 39750   | 100RB#0      | NV            | -30              | -9.30          | -0.003711       | ±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](mailto: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



|        |       |       |       |         |    |     |        |           |      |      |
|--------|-------|-------|-------|---------|----|-----|--------|-----------|------|------|
| Band41 | 20MHz | QPSK  | 39750 | 100RB#0 | NV | -20 | -9.10  | -0.003631 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | 100RB#0 | NV | 0   | -7.50  | -0.002993 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | 100RB#0 | NV | 10  | -2.20  | -0.000878 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | 100RB#0 | NV | 20  | -0.70  | -0.000279 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | 100RB#0 | NV | 30  | -8.50  | -0.003392 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | 100RB#0 | NV | 40  | -13.80 | -0.005507 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | 100RB#0 | NV | 50  | -12.50 | -0.004988 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | 100RB#0 | NV | -30 | -0.50  | -0.000193 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | 100RB#0 | NV | -20 | -7.20  | -0.002777 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | 100RB#0 | NV | 0   | -4.30  | -0.001658 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | 100RB#0 | NV | 10  | -7.90  | -0.003047 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | 100RB#0 | NV | 20  | -7.70  | -0.002970 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | 100RB#0 | NV | 30  | -7.60  | -0.002931 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | 100RB#0 | NV | 40  | -5.20  | -0.002005 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | 100RB#0 | NV | 50  | -10.40 | -0.004011 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 100RB#0 | NV | -30 | -0.50  | -0.000187 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 100RB#0 | NV | -20 | -5.00  | -0.001866 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 100RB#0 | NV | 0   | -13.00 | -0.004851 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 100RB#0 | NV | 10  | -4.20  | -0.001567 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 100RB#0 | NV | 20  | -8.50  | -0.003172 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 100RB#0 | NV | 30  | -8.70  | -0.003246 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 100RB#0 | NV | 40  | -8.70  | -0.003246 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | 100RB#0 | NV | 50  | -1.50  | -0.000560 | ±2.5 | PASS |
| Band41 | 20MHz | 64QAM | 39750 | 100RB#0 | NV | -30 | 0.00   | 0.000000  | ±2.5 | PASS |
| Band41 | 20MHz | 64QAM | 39750 | 100RB#0 | NV | -20 | 1.50   | 0.000599  | ±2.5 | PASS |
| Band41 | 20MHz | 64QAM | 39750 | 100RB#0 | NV | 0   | -10.60 | -0.004230 | ±2.5 | PASS |
| Band41 | 20MHz | 64QAM | 39750 | 100RB#0 | NV | 10  | -9.40  | -0.003751 | ±2.5 | PASS |
| Band41 | 20MHz | 64QAM | 39750 | 100RB#0 | NV | 20  | -0.40  | -0.000160 | ±2.5 | PASS |
| Band41 | 20MHz | 64QAM | 39750 | 100RB#0 | NV | 30  | -7.80  | -0.003113 | ±2.5 | PASS |
| Band41 | 20MHz | 64QAM | 39750 | 100RB#0 | NV | 40  | -8.20  | -0.003272 | ±2.5 | PASS |
| Band41 | 20MHz | 64QAM | 39750 | 100RB#0 | NV | 50  | -10.30 | -0.004110 | ±2.5 | PASS |
| Band41 | 20MHz | 64QAM | 40620 | 100RB#0 | NV | -30 | -7.30  | -0.002815 | ±2.5 | PASS |
| Band41 | 20MHz | 64QAM | 40620 | 100RB#0 | NV | -20 | -1.20  | -0.000463 | ±2.5 | PASS |
| Band41 | 20MHz | 64QAM | 40620 | 100RB#0 | NV | 0   | -3.90  | -0.001504 | ±2.5 | PASS |
| Band41 | 20MHz | 64QAM | 40620 | 100RB#0 | NV | 10  | -7.80  | -0.003008 | ±2.5 | PASS |
| Band41 | 20MHz | 64QAM | 40620 | 100RB#0 | NV | 20  | -4.20  | -0.001620 | ±2.5 | PASS |
| Band41 | 20MHz | 64QAM | 40620 | 100RB#0 | NV | 30  | -0.20  | -0.000077 | ±2.5 | PASS |
| Band41 | 20MHz | 64QAM | 40620 | 100RB#0 | NV | 40  | -2.20  | -0.000848 | ±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](mailto: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



|        |       |       |       |         |    |     |        |           |      |      |
|--------|-------|-------|-------|---------|----|-----|--------|-----------|------|------|
| Band41 | 20MHz | 64QAM | 40620 | 100RB#0 | NV | 50  | -0.30  | -0.000116 | ±2.5 | PASS |
| Band41 | 20MHz | 64QAM | 41490 | 100RB#0 | NV | -30 | -0.30  | -0.000112 | ±2.5 | PASS |
| Band41 | 20MHz | 64QAM | 41490 | 100RB#0 | NV | -20 | -6.80  | -0.002537 | ±2.5 | PASS |
| Band41 | 20MHz | 64QAM | 41490 | 100RB#0 | NV | 0   | -12.20 | -0.004552 | ±2.5 | PASS |
| Band41 | 20MHz | 64QAM | 41490 | 100RB#0 | NV | 10  | -6.60  | -0.002463 | ±2.5 | PASS |
| Band41 | 20MHz | 64QAM | 41490 | 100RB#0 | NV | 20  | -6.70  | -0.002500 | ±2.5 | PASS |
| Band41 | 20MHz | 64QAM | 41490 | 100RB#0 | NV | 30  | -8.20  | -0.003060 | ±2.5 | PASS |
| Band41 | 20MHz | 64QAM | 41490 | 100RB#0 | NV | 40  | -6.50  | -0.002425 | ±2.5 | PASS |
| Band41 | 20MHz | 64QAM | 41490 | 100RB#0 | NV | 50  | -14.80 | -0.005522 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 100RB#0 | NV | -30 | -2.20  | -0.000878 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 100RB#0 | NV | -20 | -8.80  | -0.003512 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 100RB#0 | NV | 0   | -9.30  | -0.003711 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 100RB#0 | NV | 10  | -11.90 | -0.004749 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 100RB#0 | NV | 20  | -2.80  | -0.001117 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 100RB#0 | NV | 30  | -13.30 | -0.005307 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 100RB#0 | NV | 40  | -8.60  | -0.003432 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | 100RB#0 | NV | 50  | -2.60  | -0.001038 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 100RB#0 | NV | -30 | -1.30  | -0.000501 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 100RB#0 | NV | -20 | -12.60 | -0.004859 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 100RB#0 | NV | 0   | -14.10 | -0.005438 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 100RB#0 | NV | 10  | -10.10 | -0.003895 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 100RB#0 | NV | 20  | -3.60  | -0.001388 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 100RB#0 | NV | 30  | -14.60 | -0.005631 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 100RB#0 | NV | 40  | -8.20  | -0.003162 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 100RB#0 | NV | 50  | -2.90  | -0.001118 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 100RB#0 | NV | -30 | -9.90  | -0.003694 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 100RB#0 | NV | -20 | -1.10  | -0.000410 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 100RB#0 | NV | 0   | -7.10  | -0.002649 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 100RB#0 | NV | 10  | -8.70  | -0.003246 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 100RB#0 | NV | 20  | -4.90  | -0.001828 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 100RB#0 | NV | 30  | -1.40  | -0.000522 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 100RB#0 | NV | 40  | -4.20  | -0.001567 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | 100RB#0 | NV | 50  | -12.60 | -0.004701 | ±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](mailto: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