



Report No.: SEWM2308000313RG01

Rev.: 01

Page: 1 of 40

# Appendix B.15

## LTE CA\_5B



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)

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000  
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南面 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn  
t (86-512) 62992980 sgs.china@sgs.com

**Effective (Isotropic) Radiated Power Output Data****Test Result****ANT1**

| Band | Bandwidth   | Modulation    | Channel     | RB Configuration | Result(dBm) | ERP(dBm) | Limit(dBm) | Verdict |
|------|-------------|---------------|-------------|------------------|-------------|----------|------------|---------|
| 5-5  | 10MHz-10MHz | QPSK-QPSK     | 20450-20549 | 1RB#0-0RB#0      | 24.17       | 18.22    | 38.45      | PASS    |
| 5-5  | 10MHz-10MHz | QPSK-QPSK     | 20450-20549 | 50RB#0-50RB#0    | 22.27       | 16.32    | 38.45      | PASS    |
| 5-5  | 10MHz-10MHz | QPSK-QPSK     | 20476-20575 | 1RB#0-0RB#0      | 23.9        | 17.95    | 38.45      | PASS    |
| 5-5  | 10MHz-10MHz | QPSK-QPSK     | 20476-20575 | 50RB#0-50RB#0    | 22.25       | 16.3     | 38.45      | PASS    |
| 5-5  | 10MHz-10MHz | QPSK-QPSK     | 20501-20600 | 1RB#0-0RB#0      | 24.15       | 18.2     | 38.45      | PASS    |
| 5-5  | 10MHz-10MHz | QPSK-QPSK     | 20501-20600 | 50RB#0-50RB#0    | 22.04       | 16.09    | 38.45      | PASS    |
| 5-5  | 10MHz-10MHz | 16QAM-16QAM   | 20450-20549 | 1RB#0-0RB#0      | 23.23       | 17.28    | 38.45      | PASS    |
| 5-5  | 10MHz-10MHz | 16QAM-16QAM   | 20450-20549 | 50RB#0-50RB#0    | 21.37       | 15.42    | 38.45      | PASS    |
| 5-5  | 10MHz-10MHz | 16QAM-16QAM   | 20476-20575 | 1RB#0-0RB#0      | 23.3        | 17.35    | 38.45      | PASS    |
| 5-5  | 10MHz-10MHz | 16QAM-16QAM   | 20476-20575 | 50RB#0-50RB#0    | 21.27       | 15.32    | 38.45      | PASS    |
| 5-5  | 10MHz-10MHz | 16QAM-16QAM   | 20501-20600 | 1RB#0-0RB#0      | 23.25       | 17.3     | 38.45      | PASS    |
| 5-5  | 10MHz-10MHz | 16QAM-16QAM   | 20501-20600 | 50RB#0-50RB#0    | 21.18       | 15.23    | 38.45      | PASS    |
| 5-5  | 10MHz-10MHz | 64QAM-64QAM   | 20450-20549 | 1RB#0-0RB#0      | 22.2        | 16.25    | 38.45      | PASS    |
| 5-5  | 10MHz-10MHz | 64QAM-64QAM   | 20450-20549 | 50RB#0-50RB#0    | 21.21       | 15.26    | 38.45      | PASS    |
| 5-5  | 10MHz-10MHz | 64QAM-64QAM   | 20476-20575 | 1RB#0-0RB#0      | 22.36       | 16.41    | 38.45      | PASS    |
| 5-5  | 10MHz-10MHz | 64QAM-64QAM   | 20476-20575 | 50RB#0-50RB#0    | 21.12       | 15.17    | 38.45      | PASS    |
| 5-5  | 10MHz-10MHz | 64QAM-64QAM   | 20501-20600 | 1RB#0-0RB#0      | 22.22       | 16.27    | 38.45      | PASS    |
| 5-5  | 10MHz-10MHz | 64QAM-64QAM   | 20501-20600 | 50RB#0-50RB#0    | 21.25       | 15.3     | 38.45      | PASS    |
| 5-5  | 10MHz-10MHz | 256QAM-256QAM | 20450-20549 | 1RB#0-0RB#0      | 19.24       | 13.29    | 38.45      | PASS    |
| 5-5  | 10MHz-10MHz | 256QAM-256QAM | 20450-20549 | 50RB#0-50RB#0    | 19.19       | 13.24    | 38.45      | PASS    |
| 5-5  | 10MHz-10MHz | 256QAM-256QAM | 20476-20575 | 1RB#0-0RB#0      | 19.3        | 13.35    | 38.45      | PASS    |
| 5-5  | 10MHz-10MHz | 256QAM-256QAM | 20476-20575 | 50RB#0-50RB#0    | 19.07       | 13.12    | 38.45      | PASS    |
| 5-5  | 10MHz-10MHz | 256QAM-256QAM | 20501-20600 | 1RB#0-0RB#0      | 19.18       | 13.23    | 38.45      | PASS    |
| 5-5  | 10MHz-10MHz | 256QAM-256QAM | 20501-20600 | 50RB#0-50RB#0    | 19.22       | 13.27    | 38.45      | PASS    |
| 5-5  | 10MHz-5MHz  | QPSK-QPSK     | 20450-20522 | 1RB#0-0RB#0      | 24.05       | 18.1     | 38.45      | PASS    |
| 5-5  | 10MHz-5MHz  | QPSK-QPSK     | 20450-20522 | 50RB#0-25RB#0    | 22.17       | 16.22    | 38.45      | 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)

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000  
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn  
t (86-512) 62992980 sgs.china@sgs.com



Report No.: SEWM2308000313RG01

Rev.: 01

Page: 3 of 40

|     |            |               |             |               |       |       |       |      |
|-----|------------|---------------|-------------|---------------|-------|-------|-------|------|
| 5-5 | 10MHz-5MHz | QPSK-QPSK     | 20500-20572 | 1RB#0-0RB#0   | 24.04 | 18.09 | 38.45 | PASS |
| 5-5 | 10MHz-5MHz | QPSK-QPSK     | 20500-20572 | 50RB#0-25RB#0 | 22.31 | 16.36 | 38.45 | PASS |
| 5-5 | 10MHz-5MHz | QPSK-QPSK     | 20550-20622 | 1RB#0-0RB#0   | 23.96 | 18.01 | 38.45 | PASS |
| 5-5 | 10MHz-5MHz | QPSK-QPSK     | 20550-20622 | 50RB#0-25RB#0 | 22.26 | 16.31 | 38.45 | PASS |
| 5-5 | 10MHz-5MHz | 16QAM-16QAM   | 20450-20522 | 1RB#0-0RB#0   | 23.27 | 17.32 | 38.45 | PASS |
| 5-5 | 10MHz-5MHz | 16QAM-16QAM   | 20450-20522 | 50RB#0-25RB#0 | 21.31 | 15.36 | 38.45 | PASS |
| 5-5 | 10MHz-5MHz | 16QAM-16QAM   | 20500-20572 | 1RB#0-0RB#0   | 23.42 | 17.47 | 38.45 | PASS |
| 5-5 | 10MHz-5MHz | 16QAM-16QAM   | 20500-20572 | 50RB#0-25RB#0 | 21.25 | 15.3  | 38.45 | PASS |
| 5-5 | 10MHz-5MHz | 16QAM-16QAM   | 20550-20622 | 1RB#0-0RB#0   | 23.33 | 17.38 | 38.45 | PASS |
| 5-5 | 10MHz-5MHz | 16QAM-16QAM   | 20550-20622 | 50RB#0-25RB#0 | 21.43 | 15.48 | 38.45 | PASS |
| 5-5 | 10MHz-5MHz | 64QAM-64QAM   | 20450-20522 | 1RB#0-0RB#0   | 22.24 | 16.29 | 38.45 | PASS |
| 5-5 | 10MHz-5MHz | 64QAM-64QAM   | 20450-20522 | 50RB#0-25RB#0 | 21.24 | 15.29 | 38.45 | PASS |
| 5-5 | 10MHz-5MHz | 64QAM-64QAM   | 20500-20572 | 1RB#0-0RB#0   | 22.25 | 16.3  | 38.45 | PASS |
| 5-5 | 10MHz-5MHz | 64QAM-64QAM   | 20500-20572 | 50RB#0-25RB#0 | 21.21 | 15.26 | 38.45 | PASS |
| 5-5 | 10MHz-5MHz | 64QAM-64QAM   | 20550-20622 | 1RB#0-0RB#0   | 22.21 | 16.26 | 38.45 | PASS |
| 5-5 | 10MHz-5MHz | 64QAM-64QAM   | 20550-20622 | 50RB#0-25RB#0 | 21.25 | 15.3  | 38.45 | PASS |
| 5-5 | 10MHz-5MHz | 256QAM-256QAM | 20450-20522 | 1RB#0-0RB#0   | 19.26 | 13.31 | 38.45 | PASS |
| 5-5 | 10MHz-5MHz | 256QAM-256QAM | 20450-20522 | 50RB#0-25RB#0 | 19.17 | 13.22 | 38.45 | PASS |
| 5-5 | 10MHz-5MHz | 256QAM-256QAM | 20500-20572 | 1RB#0-0RB#0   | 19.09 | 13.14 | 38.45 | PASS |
| 5-5 | 10MHz-5MHz | 256QAM-256QAM | 20500-20572 | 50RB#0-25RB#0 | 19.16 | 13.21 | 38.45 | PASS |
| 5-5 | 10MHz-5MHz | 256QAM-256QAM | 20550-20622 | 1RB#0-0RB#0   | 19.27 | 13.32 | 38.45 | PASS |
| 5-5 | 10MHz-5MHz | 256QAM-256QAM | 20550-20622 | 50RB#0-25RB#0 | 19.22 | 13.27 | 38.45 | PASS |
| 5-5 | 3MHz-5MHz  | QPSK-QPSK     | 20416-20455 | 15RB#0-25RB#0 | 24.43 | 18.48 | 38.45 | PASS |
| 5-5 | 3MHz-5MHz  | QPSK-QPSK     | 20416-20455 | 1RB#0-0RB#0   | 24.28 | 18.33 | 38.45 | PASS |
| 5-5 | 3MHz-5MHz  | QPSK-QPSK     | 20501-20540 | 15RB#0-25RB#0 | 24.4  | 18.45 | 38.45 | PASS |
| 5-5 | 3MHz-5MHz  | QPSK-QPSK     | 20501-20540 | 1RB#0-0RB#0   | 24.27 | 18.32 | 38.45 | PASS |
| 5-5 | 3MHz-5MHz  | QPSK-QPSK     | 20586-20625 | 15RB#0-25RB#0 | 24.51 | 18.56 | 38.45 | PASS |
| 5-5 | 3MHz-5MHz  | QPSK-QPSK     | 20586-20625 | 1RB#0-0RB#0   | 24.42 | 18.47 | 38.45 | PASS |
| 5-5 | 3MHz-5MHz  | 16QAM-16QAM   | 20416-20455 | 15RB#0-25RB#0 | 24.41 | 18.46 | 38.45 | PASS |
| 5-5 | 3MHz-5MHz  | 16QAM-16QAM   | 20416-20455 | 1RB#0-0RB#0   | 24.54 | 18.59 | 38.45 | PASS |
| 5-5 | 3MHz-5MHz  | 16QAM-16QAM   | 20501-20540 | 15RB#0-25RB#0 | 24.22 | 18.27 | 38.45 | PASS |
| 5-5 | 3MHz-5MHz  | 16QAM-16QAM   | 20501-20540 | 1RB#0-0RB#0   | 24.5  | 18.55 | 38.45 | 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)

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000  
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn  
t (86-512) 62992980 sgs.china@sgs.com



Report No.: SEWM2308000313RG01

Rev.: 01

Page: 4 of 40

|     |            |               |             |               |       |       |       |      |
|-----|------------|---------------|-------------|---------------|-------|-------|-------|------|
| 5-5 | 3MHz-5MHz  | 16QAM-16QAM   | 20586-20625 | 15RB#0-25RB#0 | 24.42 | 18.47 | 38.45 | PASS |
| 5-5 | 3MHz-5MHz  | 16QAM-16QAM   | 20586-20625 | 1RB#0-0RB#0   | 24.68 | 18.73 | 38.45 | PASS |
| 5-5 | 3MHz-5MHz  | 64QAM-64QAM   | 20416-20455 | 15RB#0-25RB#0 | 24.4  | 18.45 | 38.45 | PASS |
| 5-5 | 3MHz-5MHz  | 64QAM-64QAM   | 20416-20455 | 1RB#0-0RB#0   | 24.58 | 18.63 | 38.45 | PASS |
| 5-5 | 3MHz-5MHz  | 64QAM-64QAM   | 20501-20540 | 15RB#0-25RB#0 | 24.27 | 18.32 | 38.45 | PASS |
| 5-5 | 3MHz-5MHz  | 64QAM-64QAM   | 20501-20540 | 1RB#0-0RB#0   | 24.54 | 18.59 | 38.45 | PASS |
| 5-5 | 3MHz-5MHz  | 64QAM-64QAM   | 20586-20625 | 15RB#0-25RB#0 | 24.52 | 18.57 | 38.45 | PASS |
| 5-5 | 3MHz-5MHz  | 64QAM-64QAM   | 20586-20625 | 1RB#0-0RB#0   | 24.67 | 18.72 | 38.45 | PASS |
| 5-5 | 3MHz-5MHz  | 256QAM-256QAM | 20416-20455 | 15RB#0-25RB#0 | 24.27 | 18.32 | 38.45 | PASS |
| 5-5 | 3MHz-5MHz  | 256QAM-256QAM | 20416-20455 | 1RB#0-0RB#0   | 24.58 | 18.63 | 38.45 | PASS |
| 5-5 | 3MHz-5MHz  | 256QAM-256QAM | 20501-20540 | 15RB#0-25RB#0 | 24.36 | 18.41 | 38.45 | PASS |
| 5-5 | 3MHz-5MHz  | 256QAM-256QAM | 20501-20540 | 1RB#0-0RB#0   | 24.44 | 18.49 | 38.45 | PASS |
| 5-5 | 3MHz-5MHz  | 256QAM-256QAM | 20586-20625 | 15RB#0-25RB#0 | 24.49 | 18.54 | 38.45 | PASS |
| 5-5 | 3MHz-5MHz  | 256QAM-256QAM | 20586-20625 | 1RB#0-0RB#0   | 24.58 | 18.63 | 38.45 | PASS |
| 5-5 | 5MHz-10MHz | QPSK-QPSK     | 20428-20500 | 1RB#0-0RB#0   | 24.05 | 18.1  | 38.45 | PASS |
| 5-5 | 5MHz-10MHz | QPSK-QPSK     | 20428-20500 | 25RB#0-50RB#0 | 22.27 | 16.32 | 38.45 | PASS |
| 5-5 | 5MHz-10MHz | QPSK-QPSK     | 20478-20550 | 1RB#0-0RB#0   | 24    | 18.05 | 38.45 | PASS |
| 5-5 | 5MHz-10MHz | QPSK-QPSK     | 20478-20550 | 25RB#0-50RB#0 | 22.11 | 16.16 | 38.45 | PASS |
| 5-5 | 5MHz-10MHz | QPSK-QPSK     | 20528-20600 | 1RB#0-0RB#0   | 23.91 | 17.96 | 38.45 | PASS |
| 5-5 | 5MHz-10MHz | QPSK-QPSK     | 20528-20600 | 25RB#0-50RB#0 | 22.19 | 16.24 | 38.45 | PASS |
| 5-5 | 5MHz-10MHz | 16QAM-16QAM   | 20428-20500 | 1RB#0-0RB#0   | 23.32 | 17.37 | 38.45 | PASS |
| 5-5 | 5MHz-10MHz | 16QAM-16QAM   | 20428-20500 | 25RB#0-50RB#0 | 21.25 | 15.3  | 38.45 | PASS |
| 5-5 | 5MHz-10MHz | 16QAM-16QAM   | 20478-20550 | 1RB#0-0RB#0   | 23.3  | 17.35 | 38.45 | PASS |
| 5-5 | 5MHz-10MHz | 16QAM-16QAM   | 20478-20550 | 25RB#0-50RB#0 | 21.11 | 15.16 | 38.45 | PASS |
| 5-5 | 5MHz-10MHz | 16QAM-16QAM   | 20528-20600 | 1RB#0-0RB#0   | 23.22 | 17.27 | 38.45 | PASS |
| 5-5 | 5MHz-10MHz | 16QAM-16QAM   | 20528-20600 | 25RB#0-50RB#0 | 21.34 | 15.39 | 38.45 | PASS |
| 5-5 | 5MHz-10MHz | 64QAM-64QAM   | 20428-20500 | 1RB#0-0RB#0   | 22.38 | 16.43 | 38.45 | PASS |
| 5-5 | 5MHz-10MHz | 64QAM-64QAM   | 20428-20500 | 25RB#0-50RB#0 | 21.17 | 15.22 | 38.45 | PASS |
| 5-5 | 5MHz-10MHz | 64QAM-64QAM   | 20478-20550 | 1RB#0-0RB#0   | 22.23 | 16.28 | 38.45 | PASS |
| 5-5 | 5MHz-10MHz | 64QAM-64QAM   | 20478-20550 | 25RB#0-50RB#0 | 21.23 | 15.28 | 38.45 | PASS |
| 5-5 | 5MHz-10MHz | 64QAM-64QAM   | 20528-20600 | 1RB#0-0RB#0   | 22.26 | 16.31 | 38.45 | PASS |
| 5-5 | 5MHz-10MHz | 64QAM-64QAM   | 20528-20600 | 25RB#0-50RB#0 | 21.15 | 15.2  | 38.45 | PASS |



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

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

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000  
中国·苏州·中国（江苏）自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编：215000

t (86-512) 62992980 www.sgs.com.cn  
t (86-512) 62992980 sgs.china@sgs.com



Report No.: SEWM2308000313RG01

Rev.: 01

Page: 5 of 40

|     |            |               |             |               |       |       |       |      |
|-----|------------|---------------|-------------|---------------|-------|-------|-------|------|
| 5-5 | 5MHz-10MHz | 256QAM-256QAM | 20428-20500 | 1RB#0-0RB#0   | 19.19 | 13.24 | 38.45 | PASS |
| 5-5 | 5MHz-10MHz | 256QAM-256QAM | 20428-20500 | 25RB#0-50RB#0 | 19.34 | 13.39 | 38.45 | PASS |
| 5-5 | 5MHz-10MHz | 256QAM-256QAM | 20478-20550 | 1RB#0-0RB#0   | 19.3  | 13.35 | 38.45 | PASS |
| 5-5 | 5MHz-10MHz | 256QAM-256QAM | 20478-20550 | 25RB#0-50RB#0 | 19.28 | 13.33 | 38.45 | PASS |
| 5-5 | 5MHz-10MHz | 256QAM-256QAM | 20528-20600 | 1RB#0-0RB#0   | 19.36 | 13.41 | 38.45 | PASS |
| 5-5 | 5MHz-10MHz | 256QAM-256QAM | 20528-20600 | 25RB#0-50RB#0 | 19.24 | 13.29 | 38.45 | PASS |
| 5-5 | 5MHz-3MHz  | QPSK-QPSK     | 20425-20464 | 1RB#0-0RB#0   | 24.12 | 18.17 | 38.45 | PASS |
| 5-5 | 5MHz-3MHz  | QPSK-QPSK     | 20425-20464 | 25RB#0-15RB#0 | 22.09 | 16.14 | 38.45 | PASS |
| 5-5 | 5MHz-3MHz  | QPSK-QPSK     | 20510-20549 | 1RB#0-0RB#0   | 23.94 | 17.99 | 38.45 | PASS |
| 5-5 | 5MHz-3MHz  | QPSK-QPSK     | 20510-20549 | 25RB#0-15RB#0 | 22.19 | 16.24 | 38.45 | PASS |
| 5-5 | 5MHz-3MHz  | QPSK-QPSK     | 20595-20634 | 1RB#0-0RB#0   | 24.2  | 18.25 | 38.45 | PASS |
| 5-5 | 5MHz-3MHz  | QPSK-QPSK     | 20595-20634 | 25RB#0-15RB#0 | 22.12 | 16.17 | 38.45 | PASS |
| 5-5 | 5MHz-3MHz  | 16QAM-16QAM   | 20425-20464 | 1RB#0-0RB#0   | 23.12 | 17.17 | 38.45 | PASS |
| 5-5 | 5MHz-3MHz  | 16QAM-16QAM   | 20425-20464 | 25RB#0-15RB#0 | 21.34 | 15.39 | 38.45 | PASS |
| 5-5 | 5MHz-3MHz  | 16QAM-16QAM   | 20510-20549 | 1RB#0-0RB#0   | 23.35 | 17.4  | 38.45 | PASS |
| 5-5 | 5MHz-3MHz  | 16QAM-16QAM   | 20510-20549 | 25RB#0-15RB#0 | 21.31 | 15.36 | 38.45 | PASS |
| 5-5 | 5MHz-3MHz  | 16QAM-16QAM   | 20595-20634 | 1RB#0-0RB#0   | 23.4  | 17.45 | 38.45 | PASS |
| 5-5 | 5MHz-3MHz  | 16QAM-16QAM   | 20595-20634 | 25RB#0-15RB#0 | 21.28 | 15.33 | 38.45 | PASS |
| 5-5 | 5MHz-3MHz  | 64QAM-64QAM   | 20425-20464 | 1RB#0-0RB#0   | 22.23 | 16.28 | 38.45 | PASS |
| 5-5 | 5MHz-3MHz  | 64QAM-64QAM   | 20425-20464 | 25RB#0-15RB#0 | 21.3  | 15.35 | 38.45 | PASS |
| 5-5 | 5MHz-3MHz  | 64QAM-64QAM   | 20510-20549 | 1RB#0-0RB#0   | 22.39 | 16.44 | 38.45 | PASS |
| 5-5 | 5MHz-3MHz  | 64QAM-64QAM   | 20510-20549 | 25RB#0-15RB#0 | 21.25 | 15.3  | 38.45 | PASS |
| 5-5 | 5MHz-3MHz  | 64QAM-64QAM   | 20595-20634 | 1RB#0-0RB#0   | 22.47 | 16.52 | 38.45 | PASS |
| 5-5 | 5MHz-3MHz  | 64QAM-64QAM   | 20595-20634 | 25RB#0-15RB#0 | 21.24 | 15.29 | 38.45 | PASS |
| 5-5 | 5MHz-3MHz  | 256QAM-256QAM | 20425-20464 | 1RB#0-0RB#0   | 19.15 | 13.2  | 38.45 | PASS |
| 5-5 | 5MHz-3MHz  | 256QAM-256QAM | 20425-20464 | 25RB#0-15RB#0 | 19.13 | 13.18 | 38.45 | PASS |
| 5-5 | 5MHz-3MHz  | 256QAM-256QAM | 20510-20549 | 1RB#0-0RB#0   | 19.26 | 13.31 | 38.45 | PASS |
| 5-5 | 5MHz-3MHz  | 256QAM-256QAM | 20510-20549 | 25RB#0-15RB#0 | 19.21 | 13.26 | 38.45 | PASS |
| 5-5 | 5MHz-3MHz  | 256QAM-256QAM | 20595-20634 | 1RB#0-0RB#0   | 19.37 | 13.42 | 38.45 | PASS |
| 5-5 | 5MHz-3MHz  | 256QAM-256QAM | 20595-20634 | 25RB#0-15RB#0 | 19.17 | 13.22 | 38.45 | PASS |



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

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

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000  
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南面 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn  
t (86-512) 62992980 sgs.china@sgs.com



## Peak-to-Average Ratio(CCDF)

### Test Result

| Band | Bandwidth   | Modulation    | Channel     | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|------|-------------|---------------|-------------|------------------|------------|-----------|---------|
| 5-5  | 10MHz-10MHz | QPSK-QPSK     | 20450-20549 | 50RB#0-50RB#0    | 5.64       | 13        | PASS    |
| 5-5  | 10MHz-10MHz | QPSK-QPSK     | 20476-20575 | 50RB#0-50RB#0    | 5.70       | 13        | PASS    |
| 5-5  | 10MHz-10MHz | QPSK-QPSK     | 20501-20600 | 50RB#0-50RB#0    | 5.54       | 13        | PASS    |
| 5-5  | 10MHz-10MHz | 16QAM-16QAM   | 20450-20549 | 50RB#0-50RB#0    | 6.38       | 13        | PASS    |
| 5-5  | 10MHz-10MHz | 16QAM-16QAM   | 20476-20575 | 50RB#0-50RB#0    | 6.46       | 13        | PASS    |
| 5-5  | 10MHz-10MHz | 16QAM-16QAM   | 20501-20600 | 50RB#0-50RB#0    | 6.32       | 13        | PASS    |
| 5-5  | 10MHz-10MHz | 64QAM-64QAM   | 20450-20549 | 50RB#0-50RB#0    | 6.46       | 13        | PASS    |
| 5-5  | 10MHz-10MHz | 64QAM-64QAM   | 20476-20575 | 50RB#0-50RB#0    | 6.54       | 13        | PASS    |
| 5-5  | 10MHz-10MHz | 64QAM-64QAM   | 20501-20600 | 50RB#0-50RB#0    | 6.76       | 13        | PASS    |
| 5-5  | 10MHz-10MHz | 256QAM-256QAM | 20450-20549 | 50RB#0-50RB#0    | 6.76       | 13        | PASS    |
| 5-5  | 10MHz-10MHz | 256QAM-256QAM | 20476-20575 | 50RB#0-50RB#0    | 6.88       | 13        | PASS    |
| 5-5  | 10MHz-10MHz | 256QAM-256QAM | 20501-20600 | 50RB#0-50RB#0    | 6.72       | 13        | 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)

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000  
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn  
t (86-512) 62992980 sgs.china@sgs.com

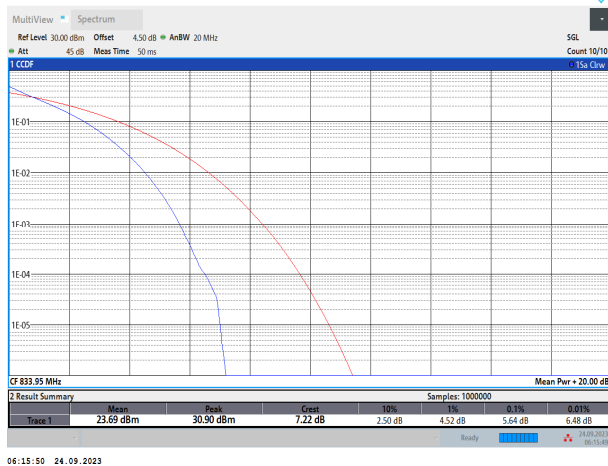
Report No.: SEWM2308000313RG01

Rev.: 01

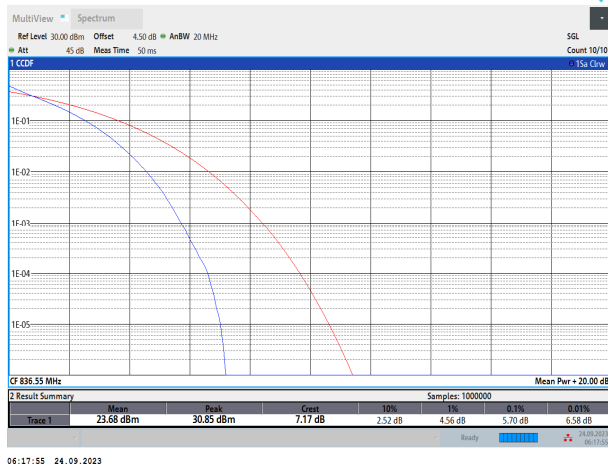
Page: 7 of 40

### Test Graphs

#### 5-5-10MHz-10MHz-QPSK-QPSK-20450-20549-50RB#0-50RB#0



#### 5-5-10MHz-10MHz-QPSK-QPSK-20476-20575-50RB#0-50RB#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)

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn  
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com

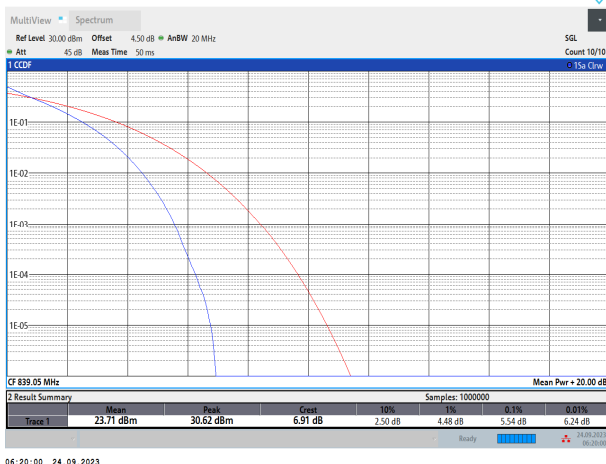


Report No.: SEWM2308000313RG01

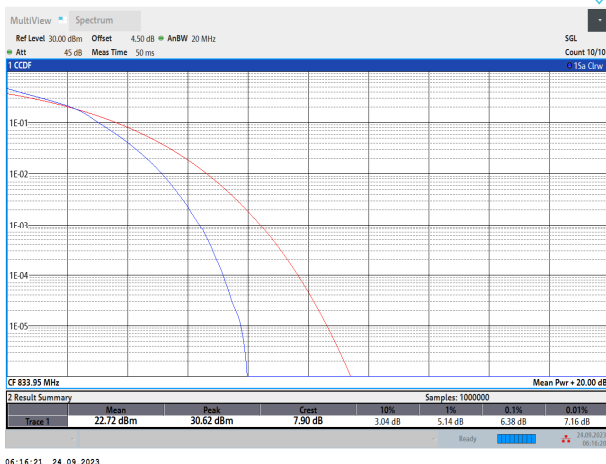
Rev.: 01

Page: 8 of 40

5-5-10MHz-10MHz-QPSK-QPSK-20501-20600-50RB#0-50RB#0



5-5-10MHz-10MHz-16QAM-16QAM-20450-20549-50RB#0-50RB#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)

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000  
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南面 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn  
t (86-512) 62992980 sgs.china@sgs.com

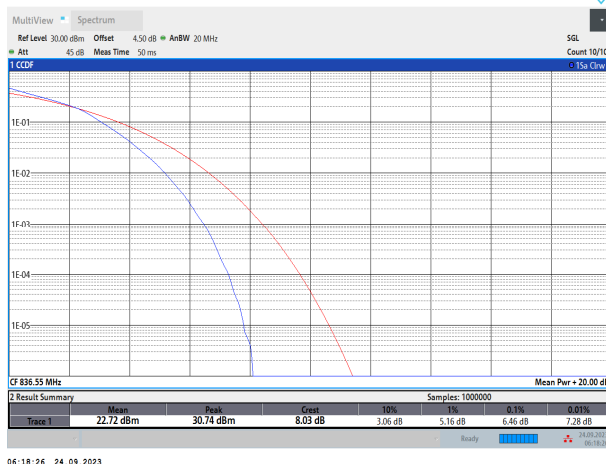


Report No.: SEWM2308000313RG01

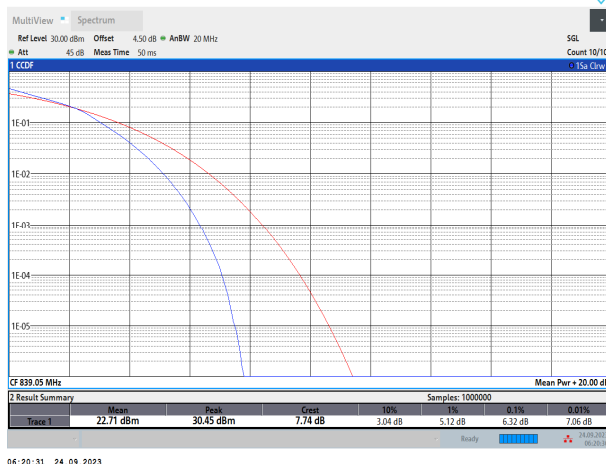
Rev.: 01

Page: 9 of 40

5-5-10MHz-10MHz-16QAM-16QAM-20476-20575-50RB#0-50RB#0



5-5-10MHz-10MHz-16QAM-16QAM-20501-20600-50RB#0-50RB#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)

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000  
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南面 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn  
t (86-512) 62992980 sgs.china@sgs.com

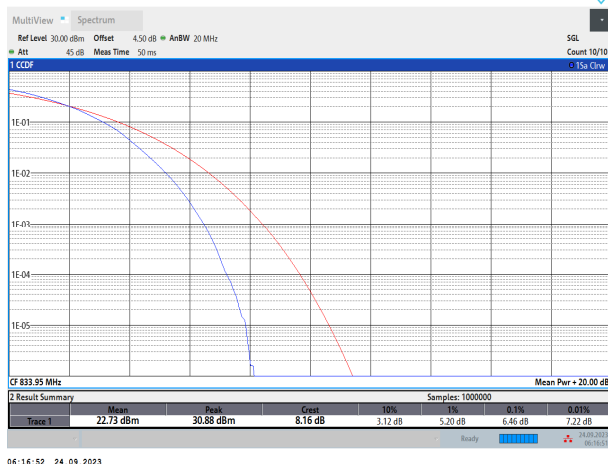


Report No.: SEWM2308000313RG01

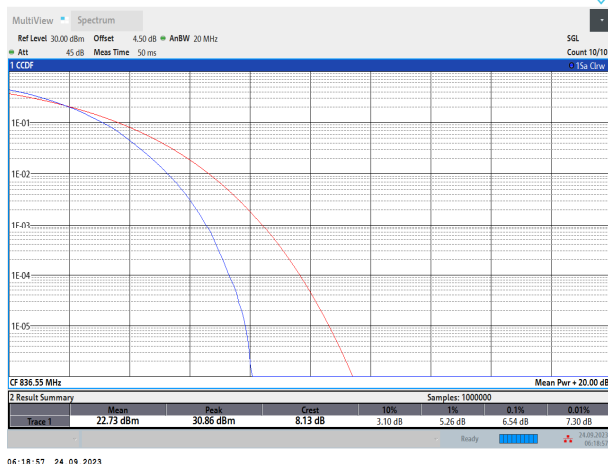
Rev.: 01

Page: 10 of 40

5-5-10MHz-10MHz-64QAM-64QAM-20450-20549-50RB#0-50RB#0



5-5-10MHz-10MHz-64QAM-64QAM-20476-20575-50RB#0-50RB#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)

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000  
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南面 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn  
t (86-512) 62992980 sgs.china@sgs.com

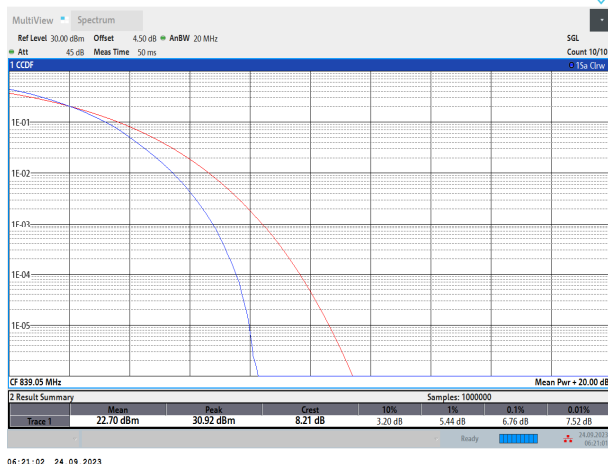


Report No.: SEWM2308000313RG01

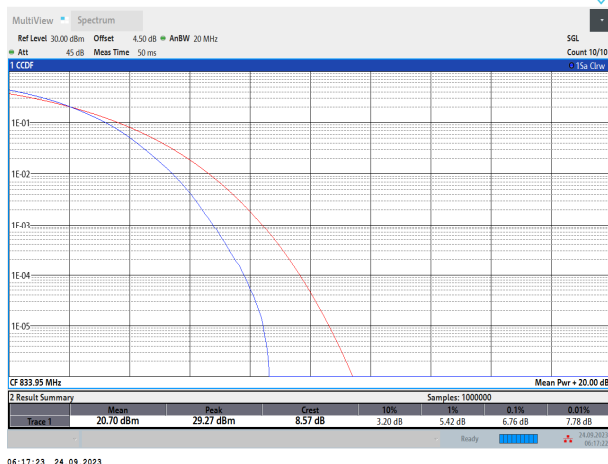
Rev.: 01

Page: 11 of 40

5-5-10MHz-10MHz-64QAM-64QAM-20501-20600-50RB#0-50RB#0



5-5-10MHz-10MHz-256QAM-256QAM-20450-20549-50RB#0-50RB#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)

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000  
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南面 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn  
t (86-512) 62992980 sgs.china@sgs.com

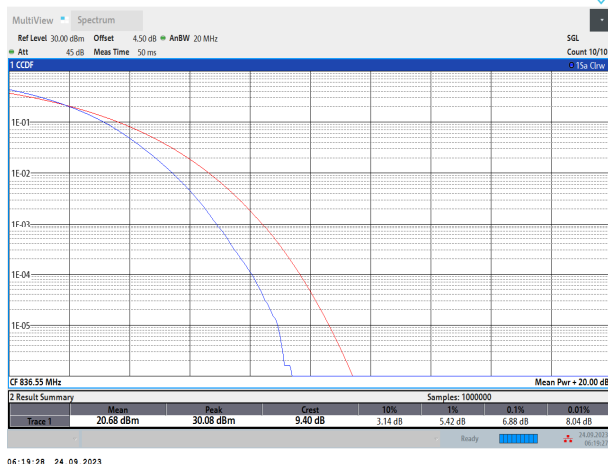


Report No.: SEWM2308000313RG01

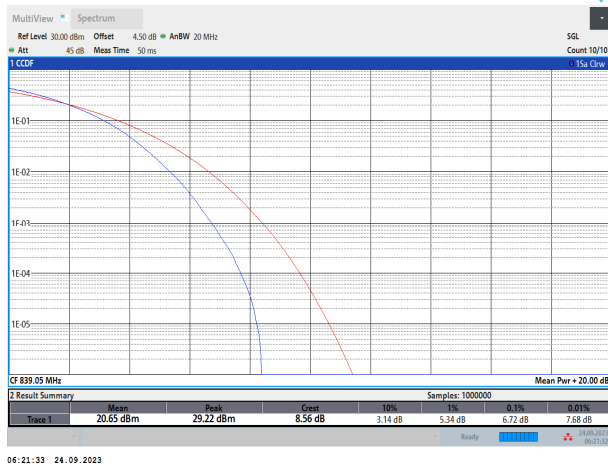
Rev.: 01

Page: 12 of 40

5-5-10MHz-10MHz-256QAM-256QAM-20476-20575-50RB#0-50RB#0



5-5-10MHz-10MHz-256QAM-256QAM-20501-20600-50RB#0-50RB#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)

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000  
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南面 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn  
t (86-512) 62992980 sgs.china@sgs.com

**26dB Bandwidth and Occupied Bandwidth****Test Result**

| Band | Bandwidth   | Modulation    | Channel     | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|------|-------------|---------------|-------------|------------------|--------------------------|----------------------|---------|
| 5-5  | 10MHz-10MHz | QPSK-QPSK     | 20476-20575 | 50RB#0-50RB#0    | 18.81                    | 21.28                | PASS    |
| 5-5  | 10MHz-10MHz | 16QAM-16QAM   | 20476-20575 | 50RB#0-50RB#0    | 18.79                    | 21.64                | PASS    |
| 5-5  | 10MHz-10MHz | 64QAM-64QAM   | 20476-20575 | 50RB#0-50RB#0    | 18.763                   | 22.80                | PASS    |
| 5-5  | 10MHz-10MHz | 256QAM-256QAM | 20476-20575 | 50RB#0-50RB#0    | 18.67                    | 20.72                | PASS    |
| 5-5  | 10MHz-5MHz  | QPSK-QPSK     | 20500-20572 | 50RB#0-25RB#0    | 13.834                   | 15.54                | PASS    |
| 5-5  | 10MHz-5MHz  | 16QAM-16QAM   | 20500-20572 | 50RB#0-25RB#0    | 13.828                   | 15.54                | PASS    |
| 5-5  | 10MHz-5MHz  | 64QAM-64QAM   | 20500-20572 | 50RB#0-25RB#0    | 13.835                   | 14.91                | PASS    |
| 5-5  | 10MHz-5MHz  | 256QAM-256QAM | 20500-20572 | 50RB#0-25RB#0    | 13.841                   | 14.82                | PASS    |
| 5-5  | 3MHz-5MHz   | QPSK-QPSK     | 20501-20540 | 15RB#0-25RB#0    | 7.439                    | 7.95                 | PASS    |
| 5-5  | 3MHz-5MHz   | 16QAM-16QAM   | 20501-20540 | 15RB#0-25RB#0    | 7.467                    | 8.61                 | PASS    |
| 5-5  | 3MHz-5MHz   | 64QAM-64QAM   | 20501-20540 | 15RB#0-25RB#0    | 7.441                    | 8.99                 | PASS    |
| 5-5  | 3MHz-5MHz   | 256QAM-256QAM | 20501-20540 | 15RB#0-25RB#0    | 7.478                    | 8.90                 | PASS    |
| 5-5  | 5MHz-10MHz  | QPSK-QPSK     | 20478-20550 | 25RB#0-50RB#0    | 13.765                   | 15.42                | PASS    |
| 5-5  | 5MHz-10MHz  | 16QAM-16QAM   | 20478-20550 | 25RB#0-50RB#0    | 13.799                   | 14.61                | PASS    |
| 5-5  | 5MHz-10MHz  | 64QAM-64QAM   | 20478-20550 | 25RB#0-50RB#0    | 13.8                     | 14.67                | PASS    |
| 5-5  | 5MHz-10MHz  | 256QAM-256QAM | 20478-20550 | 25RB#0-50RB#0    | 13.79                    | 14.64                | PASS    |
| 5-5  | 5MHz-3MHz   | QPSK-QPSK     | 20510-20549 | 25RB#0-15RB#0    | 7.462                    | 8.05                 | PASS    |
| 5-5  | 5MHz-3MHz   | 16QAM-16QAM   | 20510-20549 | 25RB#0-15RB#0    | 7.506                    | 8.05                 | PASS    |
| 5-5  | 5MHz-3MHz   | 64QAM-64QAM   | 20510-20549 | 25RB#0-15RB#0    | 7.492                    | 8.40                 | PASS    |
| 5-5  | 5MHz-3MHz   | 256QAM-256QAM | 20510-20549 | 25RB#0-15RB#0    | 7.492                    | 9.49                 | 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)

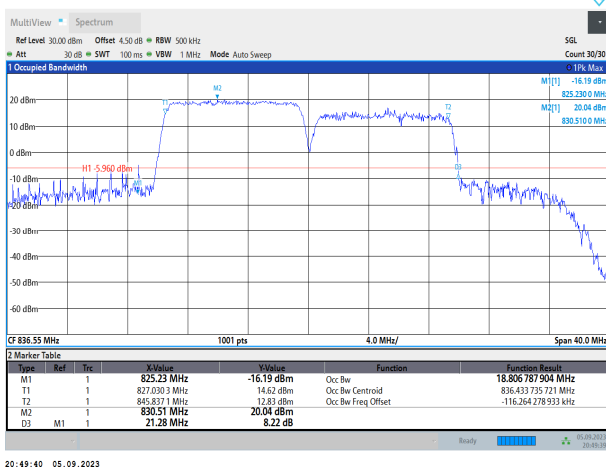
South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000  
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

t (86-512) 62992980 [www.sgs.com](http://www.sgs.com)  
t (86-512) 62992980 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

Report No.: SEWM2308000313RG01  
Rev.: 01  
Page: 14 of 40

### Test Graphs

5-5-10MHz-10MHz-QPSK-QPSK-20476-20575-50RB#0-50RB#0



5-5-10MHz-10MHz-16QAM-16QAM-20476-20575-50RB#0-50RB#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)

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn  
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南座 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com

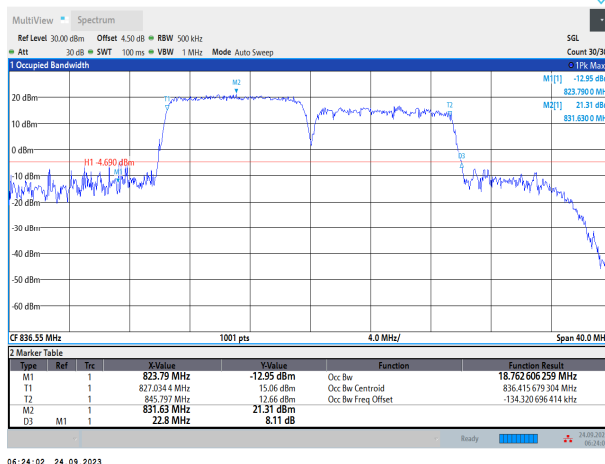


Report No.: SEWM2308000313RG01

Rev.: 01

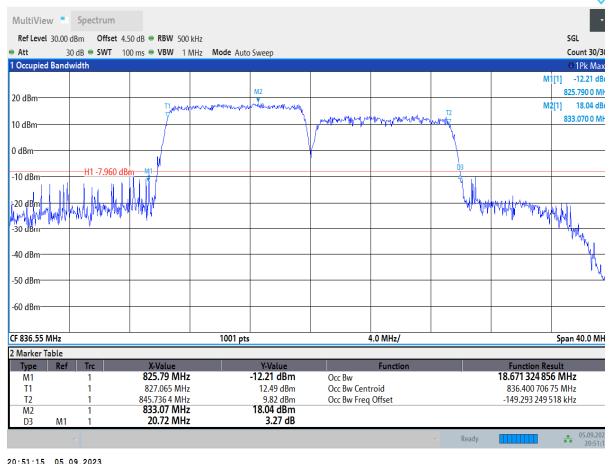
Page: 15 of 40

5-5-10MHz-10MHz-64QAM-64QAM-20476-20575-50RB#0-50RB#0



06:24:02 24.09.2023

5-5-10MHz-10MHz-256QAM-256QAM-20476-20575-50RB#0-50RB#0



20:51:15 05.09.2023



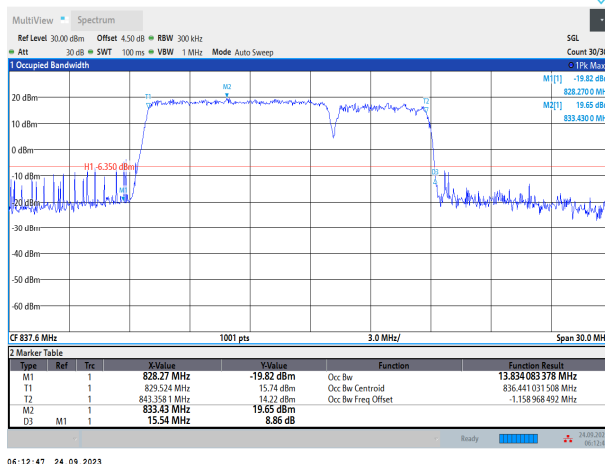
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

|                                                                                                                        |            |                     |                                                          |
|------------------------------------------------------------------------------------------------------------------------|------------|---------------------|----------------------------------------------------------|
| South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone | 215000     | t (86-512) 62992980 | <a href="http://www.sgs.com">www.sgs.com</a>             |
| 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南面                                                                              | 邮编: 215000 | t (86-512) 62992980 | <a href="mailto:sgs.china@sgs.com">sgs.china@sgs.com</a> |

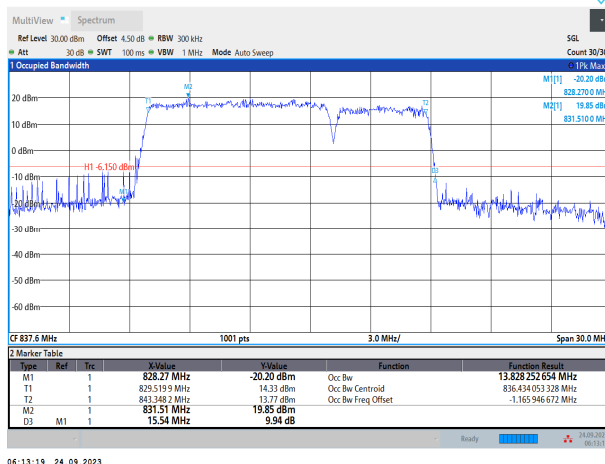
Report No.: SEWM2308000313RG01  
Rev.: 01  
Page: 16 of 40

### 5-5-10MHz-5MHz-QPSK-QPSK-20500-20572-50RB#0-25RB#0



06:12:47 24.09.2023

### 5-5-10MHz-5MHz-16QAM-16QAM-20500-20572-50RB#0-25RB#0



06:13:19 24.09.2023



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.

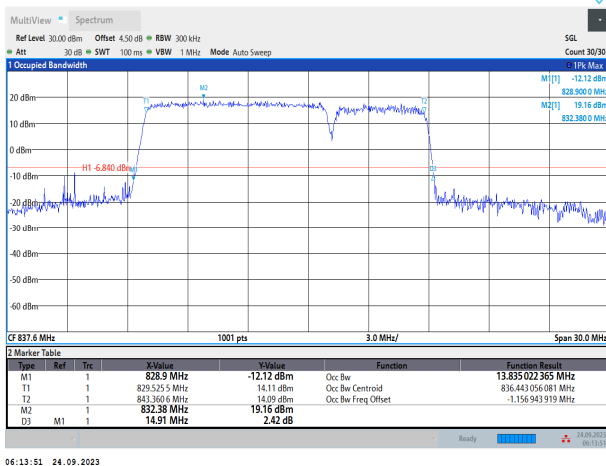
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn  
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

Report No.: SEWM2308000313RG01  
Rev.: 01  
Page: 17 of 40

### 5-5-10MHz-5MHz-64QAM-64QAM-20500-20572-50RB#0-25RB#0



06:13:51 24.09.2023

### 5-5-10MHz-5MHz-256QAM-256QAM-20500-20572-50RB#0-25RB#0



06:14:23 24.09.2023



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)

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn  
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com

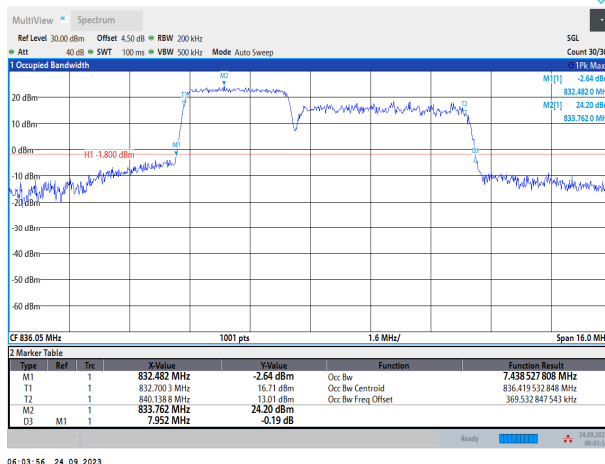


Report No.: SEWM2308000313RG01

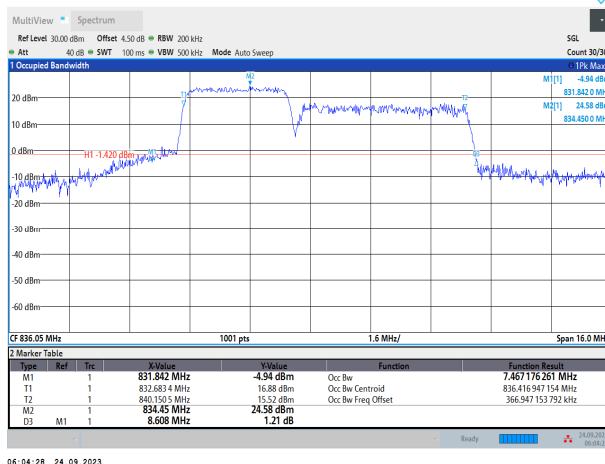
Rev.: 01

Page: 18 of 40

5-5-3MHz-5MHz-QPSK-QPSK-20501-20540-15RB#0-25RB#0



5-5-3MHz-5MHz-16QAM-16QAM-20501-20540-15RB#0-25RB#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)

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 [www.sgs.com](http://www.sgs.com)  
中国·苏州·中国（江苏）自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南面 邮编：215000 t (86-512) 62992980 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

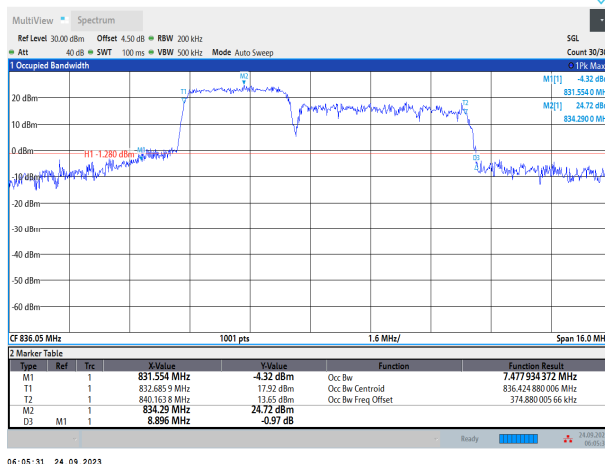


5-5-3MHz-5MHz-64QAM-64QAM-20501-20540-15RB#0-25RB#0



06:04:59 24.09.2023

5-5-3MHz-5MHz-256QAM-256QAM-20501-20540-15RB#0-25RB#0



06:05:31 24.09.2023



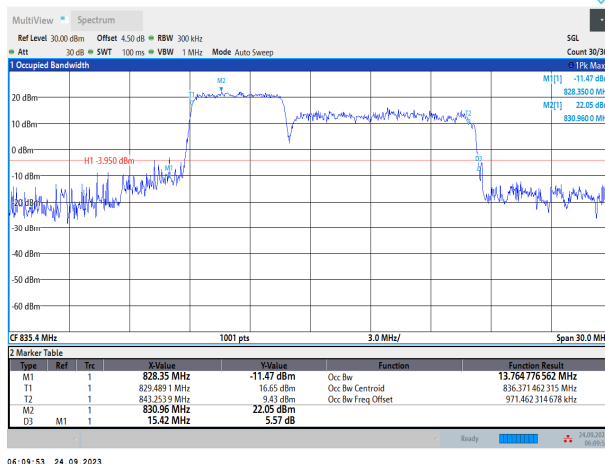
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

|                                                                                                                        |            |                     |                                                          |
|------------------------------------------------------------------------------------------------------------------------|------------|---------------------|----------------------------------------------------------|
| South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone | 215000     | t (86-512) 62992980 | <a href="http://www.sgs.com">www.sgs.com</a>             |
| 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南面                                                                              | 邮编: 215000 | t (86-512) 62992980 | <a href="mailto:sgs.china@sgs.com">sgs.china@sgs.com</a> |

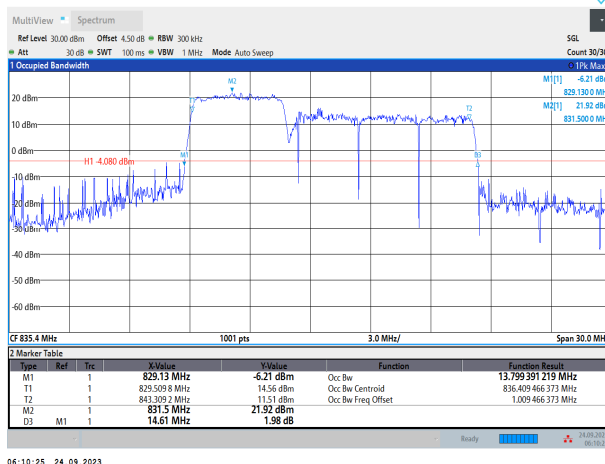


5-5-5MHz-10MHz-QPSK-QPSK-20478-20550-25RB#0-50RB#0



06:09:53 24.09.2023

5-5-5MHz-10MHz-16QAM-16QAM-20478-20550-25RB#0-50RB#0



06:10:25 24.09.2023



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)

|                                                                                                                        |            |                     |                                                          |
|------------------------------------------------------------------------------------------------------------------------|------------|---------------------|----------------------------------------------------------|
| South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone | 215000     | t (86-512) 62992980 | <a href="http://www.sgs.com">www.sgs.com</a>             |
| 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南面                                                                              | 邮编: 215000 | t (86-512) 62992980 | <a href="mailto:sgs.china@sgs.com">sgs.china@sgs.com</a> |

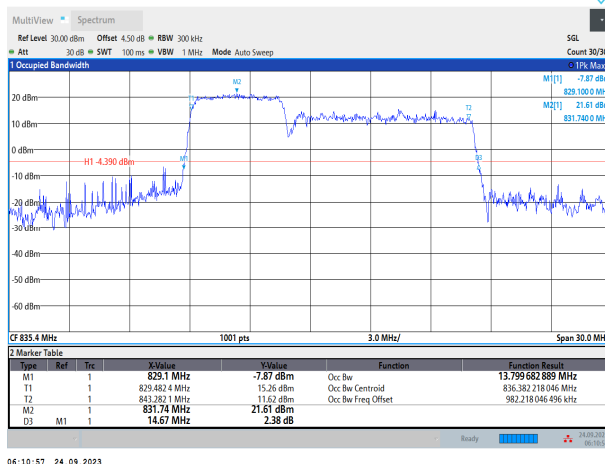


Report No.: SEWM2308000313RG01

Rev.: 01

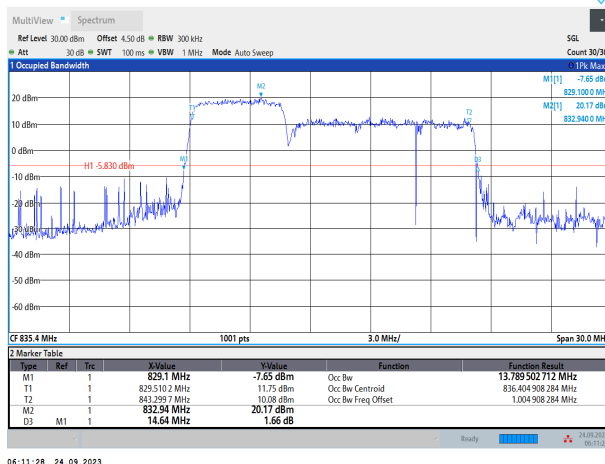
Page: 21 of 40

5-5-5MHz-10MHz-64QAM-64QAM-20478-20550-25RB#0-50RB#0



06:10:57 24.09.2023

5-5-5MHz-10MHz-256QAM-256QAM-20478-20550-25RB#0-50RB#0



06:11:28 24.09.2023



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)

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn  
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com

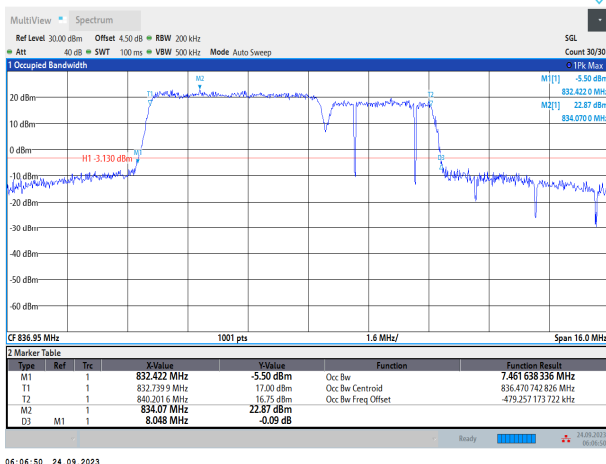


Report No.: SEWM2308000313RG01

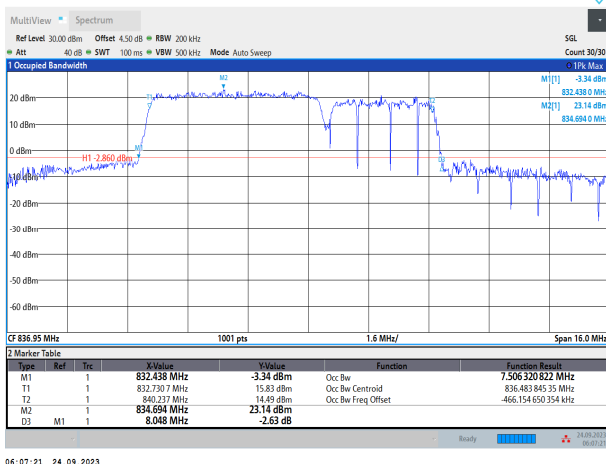
Rev.: 01

Page: 22 of 40

5-5-MHz-3MHz-QPSK-QPSK-20510-20549-25RB#0-15RB#0



5-5-MHz-3MHz-16QAM-16QAM-20510-20549-25RB#0-15RB#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 the 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)

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 [www.sgs.com.cn](http://www.sgs.com.cn)  
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

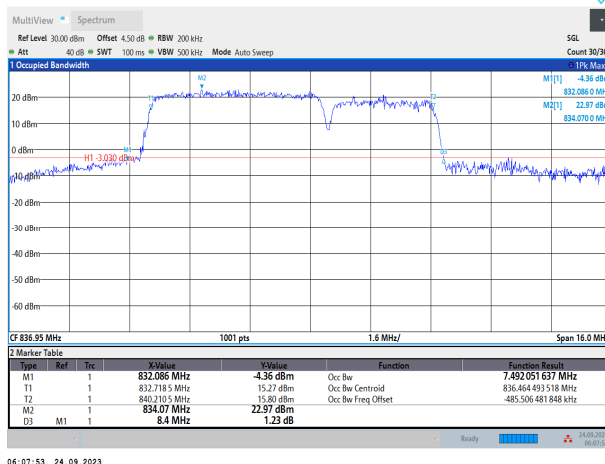


Report No.: SEWM2308000313RG01

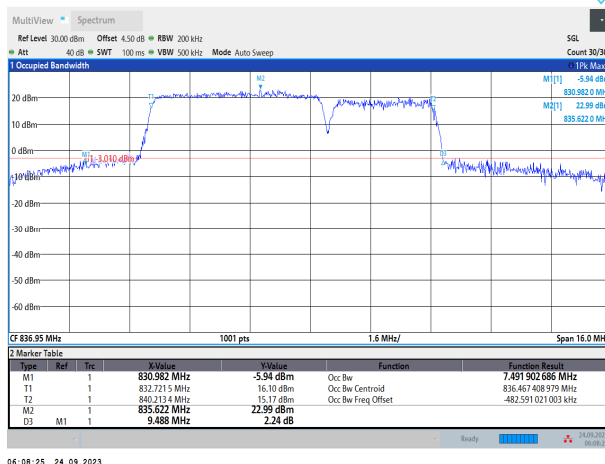
Rev.: 01

Page: 23 of 40

5-5-5MHz-3MHz-64QAM-64QAM-20510-20549-25RB#0-15RB#0



5-5-5MHz-3MHz-256QAM-256QAM-20510-20549-25RB#0-15RB#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)

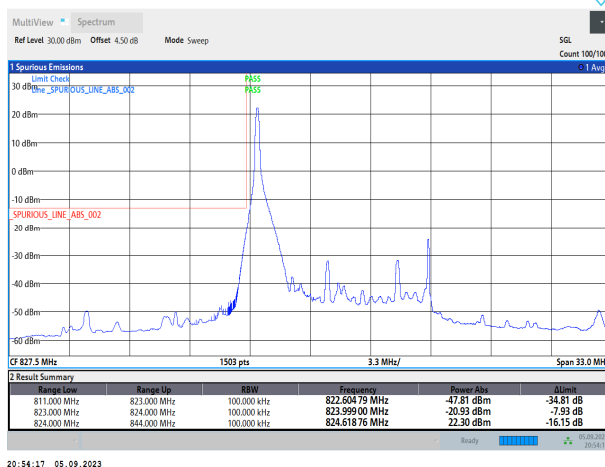
South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 [www.sgs.com](http://www.sgs.com)  
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)



## Band Edge

## Test Graphs

### 5-5-10MHz-10MHz-QPSK-QPSK-20450-20549-1RB#0-0RB#0



### 5-5-10MHz-10MHz-QPSK-QPSK-20450-20549-50RB#0-50RB#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)

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 [www.sgs.com](http://www.sgs.com)  
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

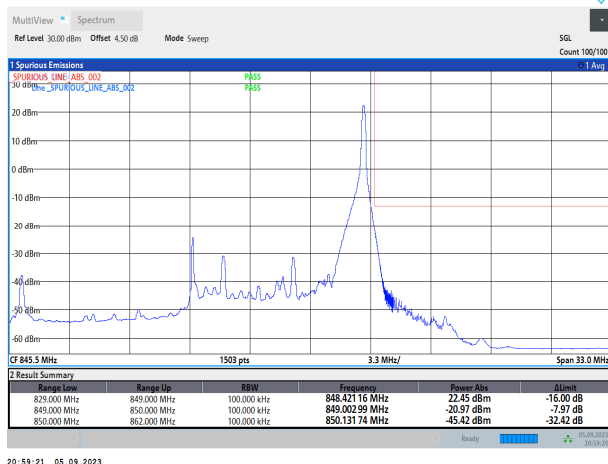


Report No.: SEWM2308000313RG01

Rev.: 01

Page: 25 of 40

5-5-10MHz-10MHz-QPSK-QPSK-20501-20600-0RB#0-1RB#49



5-5-10MHz-10MHz-QPSK-QPSK-20501-20600-50RB#0-50RB#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)

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000  
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn  
t (86-512) 62992980 sgs.china@sgs.com

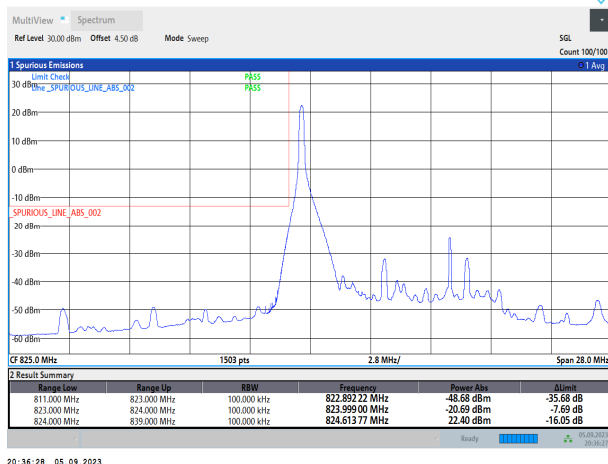


Report No.: SEWM2308000313RG01

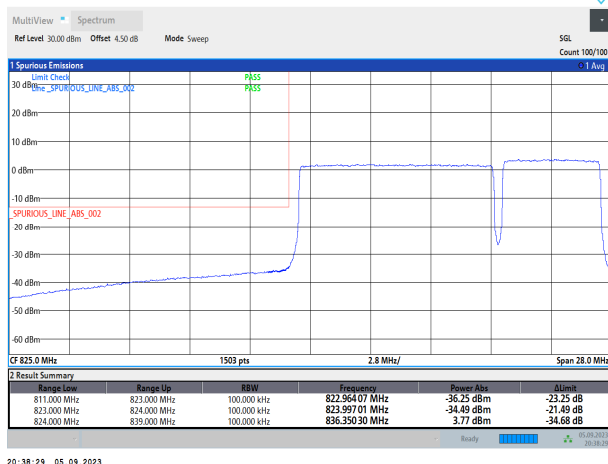
Rev.: 01

Page: 26 of 40

5-5-10MHz-5MHz-QPSK-QPSK-20450-20522-1RB#0-0RB#0



5-5-10MHz-5MHz-QPSK-QPSK-20450-20522-50RB#0-25RB#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)

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn  
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com

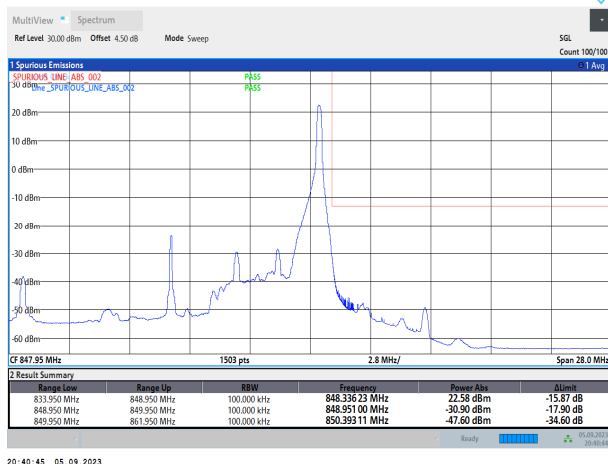


Report No.: SEWM2308000313RG01

Rev.: 01

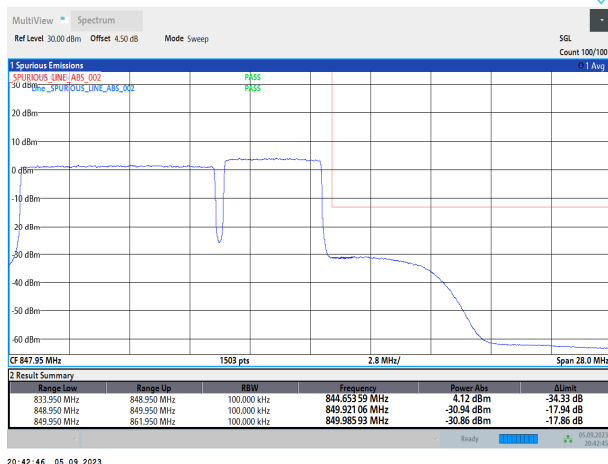
Page: 27 of 40

5-5-10MHz-5MHz-QPSK-QPSK-20550-20622-0RB#0-1RB#24



20:40:45 05.09.2023

5-5-10MHz-5MHz-QPSK-QPSK-20550-20622-50RB#0-25RB#0



20:42:46 05.09.2023



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)  
South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn  
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com

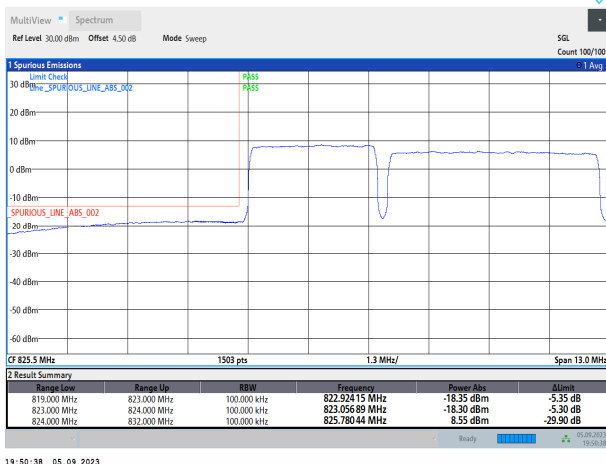


Report No.: SEWM2308000313RG01

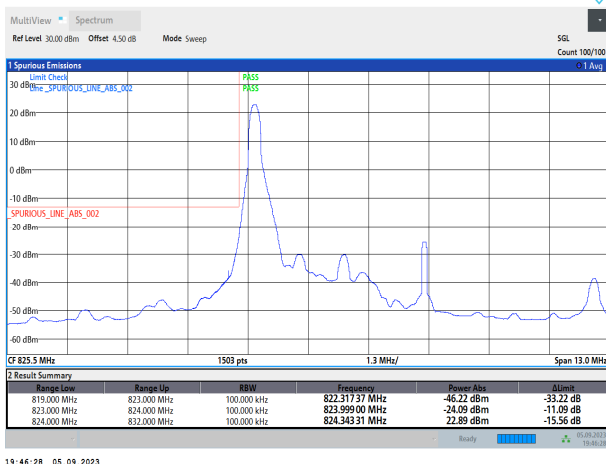
Rev.: 01

Page: 28 of 40

5-5-3MHz-5MHz-QPSK-QPSK-20416-20455-15RB#0-25RB#0



5-5-3MHz-5MHz-QPSK-QPSK-20416-20455-1RB#0-0RB#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)

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000  
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn  
t (86-512) 62992980 sgs.china@sgs.com

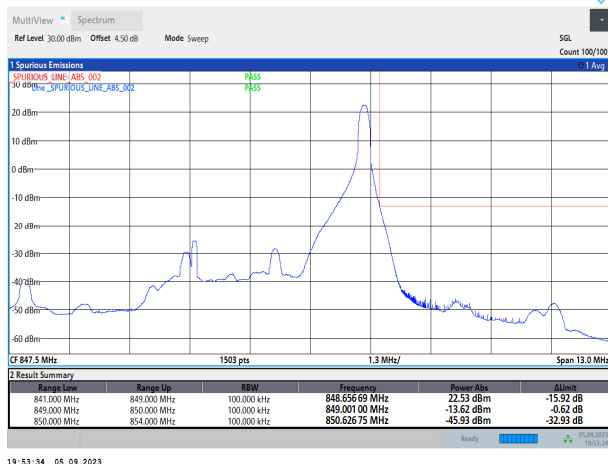


Report No.: SEWM2308000313RG01

Rev.: 01

Page: 29 of 40

5-5-3MHz-5MHz-QPSK-QPSK-20586-20625-0RB#0-1RB#24



5-5-3MHz-5MHz-QPSK-QPSK-20586-20625-15RB#0-25RB#0



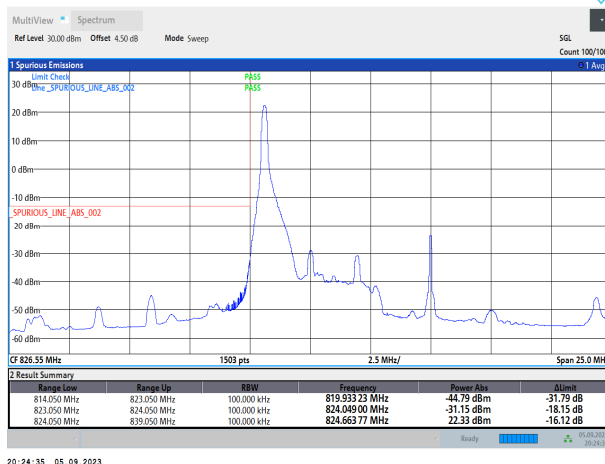
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000  
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南面 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn  
t (86-512) 62992980 sgs.china@sgs.com

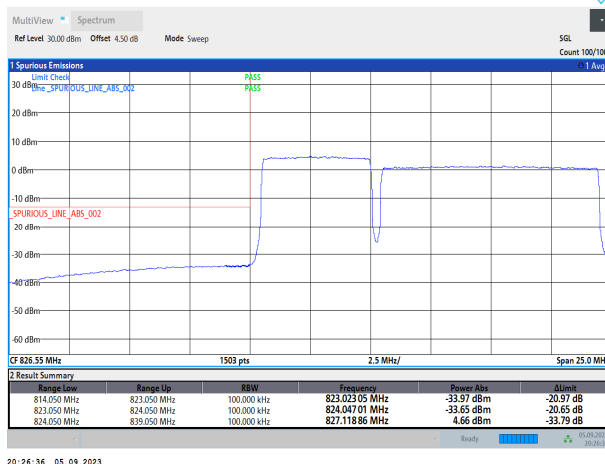


5-5-5MHz-10MHz-QPSK-QPSK-20428-20500-1RB#0-0RB#0



20:24:35 05.09.2023

5-5-5MHz-10MHz-QPSK-QPSK-20428-20500-25RB#0-50RB#0



20:26:36 05.09.2023



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)

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 [www.sgs.com](http://www.sgs.com)  
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

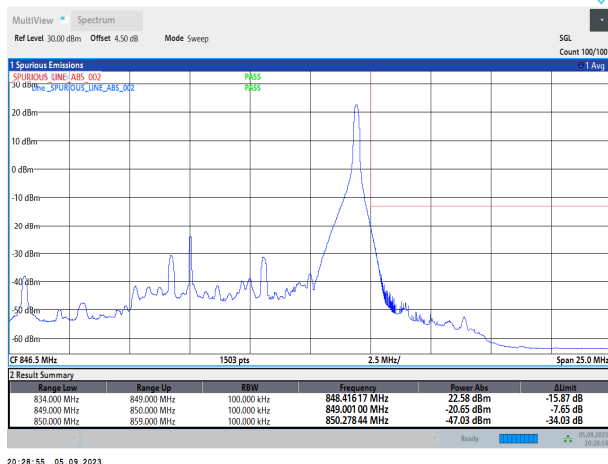


Report No.: SEWM2308000313RG01

Rev.: 01

Page: 31 of 40

5-5-5MHz-10MHz-QPSK-QPSK-20528-20600-0RB#0-1RB#49



5-5-5MHz-10MHz-QPSK-QPSK-20528-20600-25RB#0-50RB#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 report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000  
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn  
t (86-512) 62992980 sgs.china@sgs.com

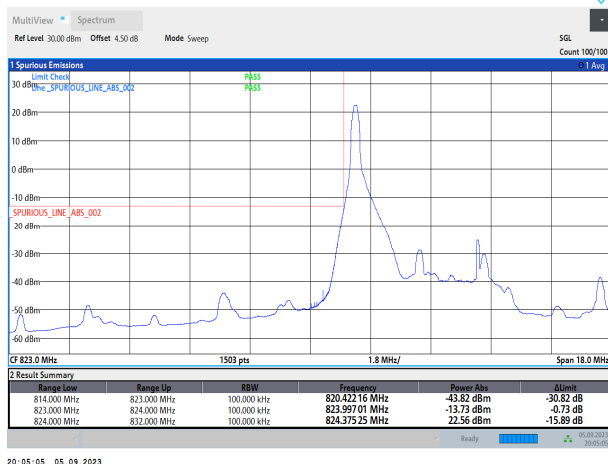


Report No.: SEWM2308000313RG01

Rev.: 01

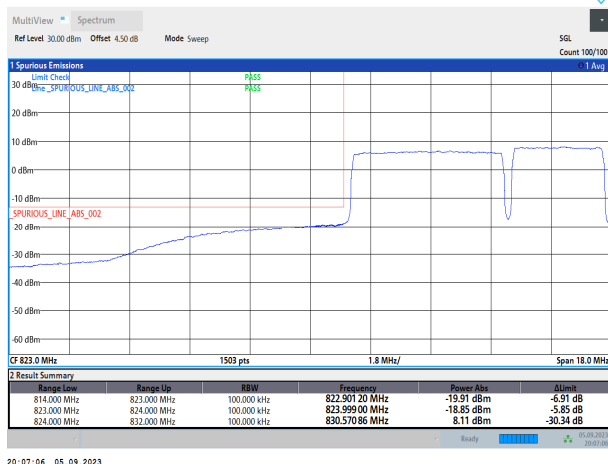
Page: 32 of 40

5-5-5MHz-3MHz-QPSK-QPSK-20425-20464-1RB#0-0RB#0



20:05:05 05.09.2023

5-5-5MHz-3MHz-QPSK-QPSK-20425-20464-25RB#0-15RB#0



20:07:06 05.09.2023



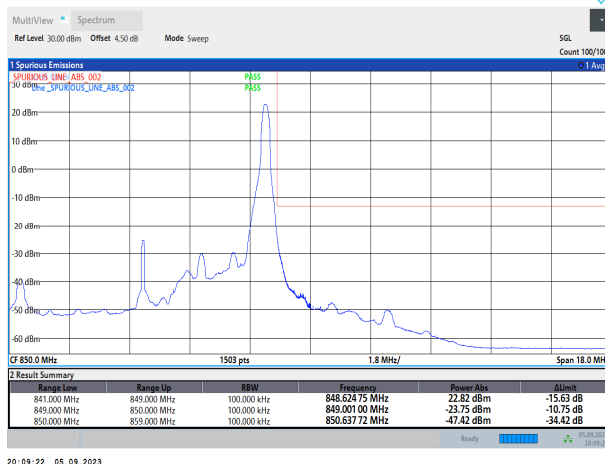
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 [www.sgs.com.cn](http://www.sgs.com.cn)  
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)



5-5-MHz-3MHz-QPSK-QPSK-20595-20634-0RB#0-1RB#14



5-5-MHz-3MHz-QPSK-QPSK-20595-20634-25RB#0-15RB#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)

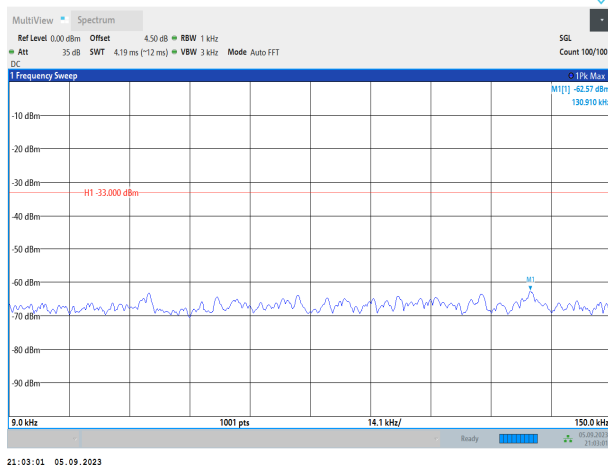
South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn  
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



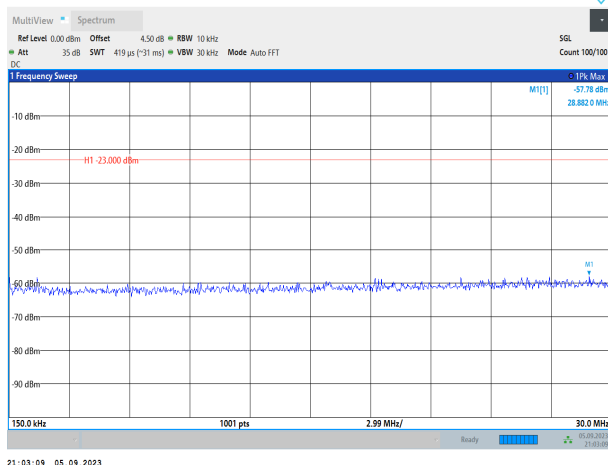
## Conducted Spurious Emission

### Test Graphs

5-5-10MHz-10MHz-QPSK-QPSK-20450-20549-1RB#0-0RB#0-0.009~0.15MHz



5-5-10MHz-10MHz-QPSK-QPSK-20450-20549-1RB#0-0RB#0-0.15~30MHz



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)

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000  
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南面 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn  
t (86-512) 62992980 sgs.china@sgs.com

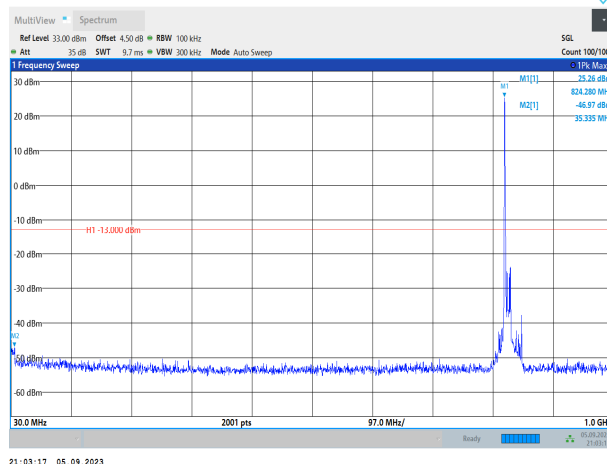


Report No.: SEWM2308000313RG01

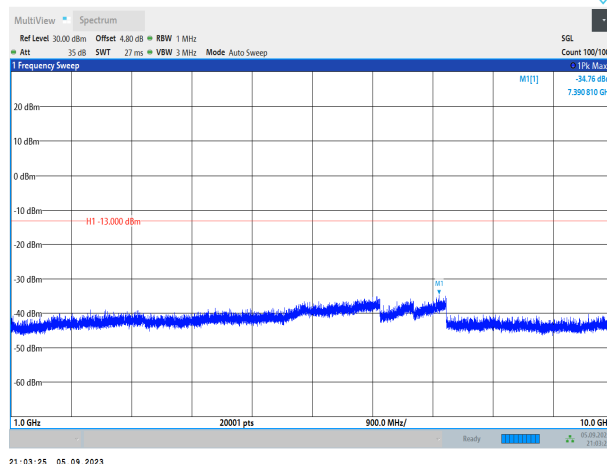
Rev.: 01

Page: 35 of 40

5-5-10MHz-10MHz-QPSK-QPSK-20450-20549-1RB#0-0RB#0-30~1000MHz



5-5-10MHz-10MHz-QPSK-QPSK-20450-20549-1RB#0-0RB#0-1000~10000MHz



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)

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000  
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南面 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn  
t (86-512) 62992980 sgs.china@sgs.com

**Field Strength of Spurious Radiation****Test Band = LTE Band5B\_ TM1****Test Channel = Low****Final Data List**

| NO. | Frequency<br>[MHz] | Reading<br>[dBμV] | Factor<br>[dB] | AF[dB/m] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
|-----|--------------------|-------------------|----------------|----------|----------------|----------------|----------------|------------|
| 1   | 1648.1800          | 43.33             | -48.22         | 25.27    | -74.88         | -13.00         | 61.88          | Horizontal |
| 2   | 2473.7700          | 42.65             | -47.32         | 27.23    | -72.70         | -13.00         | 59.70          | Horizontal |
| 3   | 3298.3600          | 42.27             | -46.68         | 28.48    | -71.19         | -13.00         | 58.19          | Horizontal |
| 4   | 4122.9500          | 40.43             | -45.91         | 29.40    | -71.35         | -13.00         | 58.35          | Horizontal |
| 5   | 4947.5400          | 41.44             | -45.69         | 31.29    | -68.22         | -13.00         | 55.22          | Horizontal |
| 6   | 5772.1000          | 39.19             | -44.64         | 32.65    | -68.05         | -13.00         | 55.05          | Horizontal |

**Final Data List**

| NO. | Frequency<br>[MHz] | Reading<br>[dBμV] | Factor<br>[dB] | AF[dB/m] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity |
|-----|--------------------|-------------------|----------------|----------|----------------|----------------|----------------|----------|
| 1   | 1648.1800          | 43.36             | -48.22         | 25.27    | -74.85         | -13.00         | 61.85          | Vertical |
| 2   | 2473.7700          | 42.35             | -47.32         | 27.23    | -73.00         | -13.00         | 60.00          | Vertical |
| 3   | 3298.3600          | 42.07             | -46.68         | 28.48    | -71.39         | -13.00         | 58.39          | Vertical |
| 4   | 4122.9500          | 40.60             | -45.91         | 29.40    | -71.18         | -13.00         | 58.18          | Vertical |
| 5   | 4947.5400          | 41.23             | -45.69         | 31.29    | -68.43         | -13.00         | 55.43          | Vertical |
| 6   | 5772.1000          | 39.88             | -44.64         | 32.65    | -67.36         | -13.00         | 54.36          | 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)

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000  
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南面 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn  
t (86-512) 62992980 sgs.china@sgs.com

**Test Band = LTE Band5B\_ TM1****Test Channel = Mid****Final Data List**

| NO. | Frequency<br>[MHz] | Reading<br>[dBμV] | Factor<br>[dB] | AF[dB/m] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
|-----|--------------------|-------------------|----------------|----------|----------------|----------------|----------------|------------|
| 1   | 1654.3600          | 43.31             | -48.21         | 25.28    | -74.88         | -13.00         | 61.88          | Horizontal |
| 2   | 2481.5700          | 42.88             | -47.30         | 27.25    | -72.43         | -13.00         | 59.43          | Horizontal |
| 3   | 3308.7600          | 42.07             | -46.67         | 28.49    | -71.37         | -13.00         | 58.37          | Horizontal |
| 4   | 4135.9500          | 40.81             | -45.92         | 29.43    | -70.95         | -13.00         | 57.95          | Horizontal |
| 5   | 4963.1400          | 40.75             | -45.73         | 31.32    | -68.92         | -13.00         | 55.92          | Horizontal |
| 6   | 5790.3300          | 39.24             | -44.65         | 32.66    | -68.01         | -13.00         | 55.01          | Horizontal |

**Final Data List**

| NO. | Frequency<br>[MHz] | Reading<br>[dBμV] | Factor<br>[dB] | AF[dB/m] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity |
|-----|--------------------|-------------------|----------------|----------|----------------|----------------|----------------|----------|
| 1   | 1654.3600          | 43.10             | -48.21         | 25.28    | -75.09         | -13.00         | 62.09          | Vertical |
| 2   | 2481.5700          | 42.07             | -47.30         | 27.25    | -73.24         | -13.00         | 60.24          | Vertical |
| 3   | 3308.7600          | 42.38             | -46.67         | 28.49    | -71.06         | -13.00         | 58.06          | Vertical |
| 4   | 4135.9500          | 40.57             | -45.92         | 29.43    | -71.19         | -13.00         | 58.19          | Vertical |
| 5   | 4963.1400          | 41.27             | -45.73         | 31.32    | -68.40         | -13.00         | 55.40          | Vertical |
| 6   | 5790.3300          | 39.88             | -44.65         | 32.66    | -67.37         | -13.00         | 54.37          | 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)

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000  
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南面 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn  
t (86-512) 62992980 sgs.china@sgs.com

**Test Band = LTE Band5B\_ TM1****Test Channel = High****Final Data List**

| NO. | Frequency<br>[MHz] | Reading<br>[dBμV] | Factor<br>[dB] | AF[dB/m] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
|-----|--------------------|-------------------|----------------|----------|----------------|----------------|----------------|------------|
| 1   | 1749.3800          | 43.12             | -48.06         | 25.42    | -74.77         | -13.00         | 61.77          | Horizontal |
| 2   | 2624.0700          | 42.62             | -46.96         | 27.55    | -72.05         | -13.00         | 59.05          | Horizontal |
| 3   | 3498.7600          | 42.54             | -46.54         | 28.60    | -70.66         | -13.00         | 57.66          | Horizontal |
| 4   | 4373.4500          | 40.79             | -45.86         | 30.00    | -70.33         | -13.00         | 57.33          | Horizontal |
| 5   | 5248.1400          | 39.79             | -45.14         | 32.00    | -68.61         | -13.00         | 55.61          | Horizontal |
| 6   | 6122.8300          | 39.27             | -44.74         | 33.09    | -67.63         | -13.00         | 54.63          | Horizontal |

**Final Data List**

| NO. | Frequency<br>[MHz] | Reading<br>[dBμV] | Factor<br>[dB] | AF[dB/m] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity |
|-----|--------------------|-------------------|----------------|----------|----------------|----------------|----------------|----------|
| 1   | 1749.3800          | 43.60             | -48.06         | 25.42    | -74.29         | -13.00         | 61.29          | Vertical |
| 2   | 2624.0700          | 42.61             | -46.96         | 27.55    | -72.06         | -13.00         | 59.06          | Vertical |
| 3   | 3498.7600          | 42.19             | -46.54         | 28.60    | -71.01         | -13.00         | 58.01          | Vertical |
| 4   | 4373.4500          | 40.91             | -45.86         | 30.00    | -70.21         | -13.00         | 57.21          | Vertical |
| 5   | 5248.1400          | 40.41             | -45.14         | 32.00    | -67.99         | -13.00         | 54.99          | Vertical |
| 6   | 6122.8300          | 39.01             | -44.74         | 33.09    | -67.89         | -13.00         | 54.89          | Vertical |

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamp (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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)

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000

中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

t (86-512) 62992980 [www.sgs.com](http://www.sgs.com)

t (86-512) 62992980 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)



## Frequency Stability

### Test Result

| Voltage |              |            |              |               |               |                  |                |                 |             |         |
|---------|--------------|------------|--------------|---------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band    | Bandwidth    | Modulation | Channel      | RB Configure  | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| 5-5     | 10MHz-10 MHz | QPSK-QPSK  | 20476-20 575 | 50RB#0-50RB#0 | VH            | NT               | -5.0000 00     | -0.0059 77      | ±2. 5       | PASS    |
| 5-5     | 10MHz-10 MHz | QPSK-QPSK  | 20476-20 575 | 50RB#0-50RB#0 | VL            | NT               | -4.3000 00     | -0.0051 40      | ±2. 5       | PASS    |
| 5-5     | 10MHz-10 MHz | QPSK-QPSK  | 20476-20 575 | 50RB#0-50RB#0 | VN            | NT               | -5.8000 00     | -0.0069 34      | ±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)

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000

中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南面

邮编: 215000

t (86-512) 62992980 [www.sgs.com](http://www.sgs.com)

t (86-512) 62992980 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)



| Temperature |              |            |              |                |               |                  |                |                 |             |         |
|-------------|--------------|------------|--------------|----------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band        | Bandwidth    | Modulation | Channel      | RB Configure   | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| 5-5         | 10MHz-10 MHz | QPSK-QPSK  | 20476-20 575 | 50RB#0-50R B#0 | NV            | 50               | -6.6000 00     | -0.0076 35      | ±2. 5       | PAS S   |
| 5-5         | 10MHz-10 MHz | QPSK-QPSK  | 20476-20 575 | 50RB#0-50R B#0 | NV            | 40               | -4.2000 00     | -0.0056 41      | ±2. 5       | PAS S   |
| 5-5         | 10MHz-10 MHz | QPSK-QPSK  | 20476-20 575 | 50RB#0-50R B#0 | NV            | 30               | -3.6000 00     | -0.0043 65      | ±2. 5       | PAS S   |
| 5-5         | 10MHz-10 MHz | QPSK-QPSK  | 20476-20 575 | 50RB#0-50R B#0 | NV            | 20               | -5.5000 00     | -0.0054 68      | ±2. 5       | PAS S   |
| 5-5         | 10MHz-10 MHz | QPSK-QPSK  | 20476-20 575 | 50RB#0-50R B#0 | NV            | 10               | -3.7000 00     | -0.0062 86      | ±2. 5       | PAS S   |
| 5-5         | 10MHz-10 MHz | QPSK-QPSK  | 20476-20 575 | 50RB#0-50R B#0 | NV            | 0                | -5.6000 00     | -0.0067 54      | ±2. 5       | PAS S   |
| 5-5         | 10MHz-10 MHz | QPSK-QPSK  | 20476-20 575 | 50RB#0-50R B#0 | NV            | -10              | -4.6000 00     | -0.0052 46      | ±2. 5       | PAS S   |
| 5-5         | 10MHz-10 MHz | QPSK-QPSK  | 20476-20 575 | 50RB#0-50R B#0 | NV            | -20              | -5.6000 00     | -0.0046 35      | ±2. 5       | PAS S   |
| 5-5         | 10MHz-10 MHz | QPSK-QPSK  | 20476-20 575 | 50RB#0-50R B#0 | NV            | -30              | -4.8000 00     | -0.0035 24      | ±2. 5       | PAS S   |

---End of Attachment---



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)

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000  
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南面 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn  
t (86-512) 62992980 sgs.china@sgs.com