



Appendix B

E-UTRA Band 17



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

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



CONTENT

| | | |
|-----------|--|-----------|
| 1 | EFFECTIVE (ISOTROPIC) RADIATED POWER..... | 3 |
| 1.1. | TEST RESULT | 3 |
| 2. | PEAK-TO-AVERAGE RATIO (CCDF) | 6 |
| 2.1. | TEST RESULT | 6 |
| 2.2. | TEST PLOTS | 6 |
| 3. | MODULATION CHARACTERISTICS | 10 |
| 3.1. | TEST MODE = LTE /TM1 10MHz | 10 |
| 3.1.1. | TEST CHANNEL = MCH | 10 |
| 3.2. | TEST MODE = LTE /TM2 10MHz | 11 |
| 3.2.1. | TEST CHANNEL = MCH | 11 |
| 4. | 26DB BANDWIDTH AND OCCUPIED BANDWIDTH | 12 |
| 4.1. | TEST RESULT | 12 |
| 4.2. | TEST PLOTS | 13 |
| 5. | BAND EDGE COMPLIANCE | 19 |
| 5.1. | TEST PLOTS | 19 |
| 6. | SPURIOUS EMISSION AT ANTENNA TERMINAL | 28 |
| 6.1. | TEST PLOTS | 28 |
| 7. | FIELD STRENGTH OF SPURIOUS RADIATION | 35 |
| 7.1. | TEST MODE =LTE/TM1 10MHz..... | 35 |
| 7.1.1. | TEST CHANNEL = LCH | 35 |
| 7.1.2. | TEST CHANNEL = MCH | 35 |
| 7.1.3. | TEST CHANNEL = HCH | 36 |
| 8. | FREQUENCY STABILITY | 37 |
| 8.1. | FREQUENCY VS VOLTAGE | 37 |
| 8.2. | FREQUENCY VS TEMPERATURE | 37 |





1 Effective (Isotropic) Radiated Power

1.1. Test Result

| Band | Bandwidth h | Modulation | Channel | RB Config. | Result (dBm) | ERP (dBm) | Limit (dBm) | Verdict |
|--------|----------------|------------|---------|---------------|-----------------|--------------|----------------|---------|
| Band17 | 5MHz | QPSK | 23755 | 1RB#0 | 23.51 | 13.36 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23755 | 1RB#12 | 24.11 | 13.96 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23755 | 1RB#24 | 22.95 | 12.8 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23755 | 12RB#0 | 22.79 | 12.64 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23755 | 12RB#6 | 22.90 | 12.75 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23755 | 12RB#13 | 22.53 | 12.38 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23755 | 25RB#0 | 22.76 | 12.61 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 1RB#0 | 23.70 | 13.55 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 1RB#12 | 23.63 | 13.48 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 1RB#24 | 23.12 | 12.97 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 12RB#0 | 22.90 | 12.75 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 12RB#6 | 22.60 | 12.45 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 12RB#13 | 22.34 | 12.19 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 25RB#0 | 22.74 | 12.59 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 1RB#0 | 23.39 | 13.24 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 1RB#12 | 24.04 | 13.89 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 1RB#24 | 23.74 | 13.59 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 12RB#0 | 22.43 | 12.28 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 12RB#6 | 22.79 | 12.64 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 12RB#13 | 22.73 | 12.58 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 25RB#0 | 22.57 | 12.42 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 1RB#0 | 22.20 | 12.05 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 1RB#12 | 22.95 | 12.8 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 1RB#24 | 22.28 | 12.13 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 12RB#0 | 21.61 | 11.46 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 12RB#6 | 21.61 | 11.46 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 12RB#13 | 21.44 | 11.29 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 25RB#0 | 21.74 | 11.59 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 1RB#0 | 22.37 | 12.22 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 1RB#12 | 22.70 | 12.55 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 1RB#24 | 22.28 | 12.13 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 12RB#0 | 21.60 | 11.45 | 34.77 | 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-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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



| | | | | | | | | |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band17 | 5MHz | 16QAM | 23790 | 12RB#6 | 21.60 | 11.45 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 12RB#13 | 21.61 | 11.46 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 25RB#0 | 21.69 | 11.54 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 1RB#0 | 22.20 | 12.05 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 1RB#12 | 22.61 | 12.46 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 1RB#24 | 22.21 | 12.06 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 12RB#0 | 21.51 | 11.36 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 12RB#6 | 21.65 | 11.5 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 12RB#13 | 21.60 | 11.45 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 25RB#0 | 21.50 | 11.35 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 1RB#0 | 23.69 | 13.54 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 1RB#24 | 23.88 | 13.73 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 1RB#49 | 23.29 | 13.14 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 25RB#0 | 23.04 | 12.89 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 25RB#12 | 22.84 | 12.69 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 25RB#25 | 22.28 | 12.13 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | 22.86 | 12.71 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 1RB#0 | 23.71 | 13.56 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 1RB#24 | 23.85 | 13.7 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 1RB#49 | 23.44 | 13.29 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 25RB#0 | 22.90 | 12.75 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 25RB#12 | 22.64 | 12.49 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 25RB#25 | 22.42 | 12.27 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | 22.86 | 12.71 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 1RB#0 | 23.75 | 13.6 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 1RB#24 | 23.58 | 13.43 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 1RB#49 | 23.77 | 13.62 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 25RB#0 | 22.74 | 12.59 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 25RB#12 | 22.55 | 12.4 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 25RB#25 | 22.70 | 12.55 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | 22.81 | 12.66 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 1RB#0 | 22.41 | 12.26 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 1RB#24 | 23.17 | 13.02 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 1RB#49 | 22.44 | 12.29 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 25RB#0 | 21.99 | 11.84 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 25RB#12 | 22.05 | 11.9 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 25RB#25 | 21.59 | 11.44 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | 21.60 | 11.45 | 34.77 | 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-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

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

| | | | | | | | | |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band17 | 10MHz | 16QAM | 23790 | 1RB#0 | 22.45 | 12.3 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 1RB#24 | 22.48 | 12.33 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 1RB#49 | 22.33 | 12.18 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 25RB#0 | 21.66 | 11.51 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 25RB#12 | 21.81 | 11.66 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 25RB#25 | 21.57 | 11.42 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | 21.72 | 11.57 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 1RB#0 | 22.46 | 12.31 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 1RB#24 | 22.45 | 12.3 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 1RB#49 | 22.29 | 12.14 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 25RB#0 | 21.60 | 11.45 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 25RB#12 | 21.69 | 11.54 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 25RB#25 | 21.61 | 11.46 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | 21.60 | 11.45 | 34.77 | PASS |

Remark:

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

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

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



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

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

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

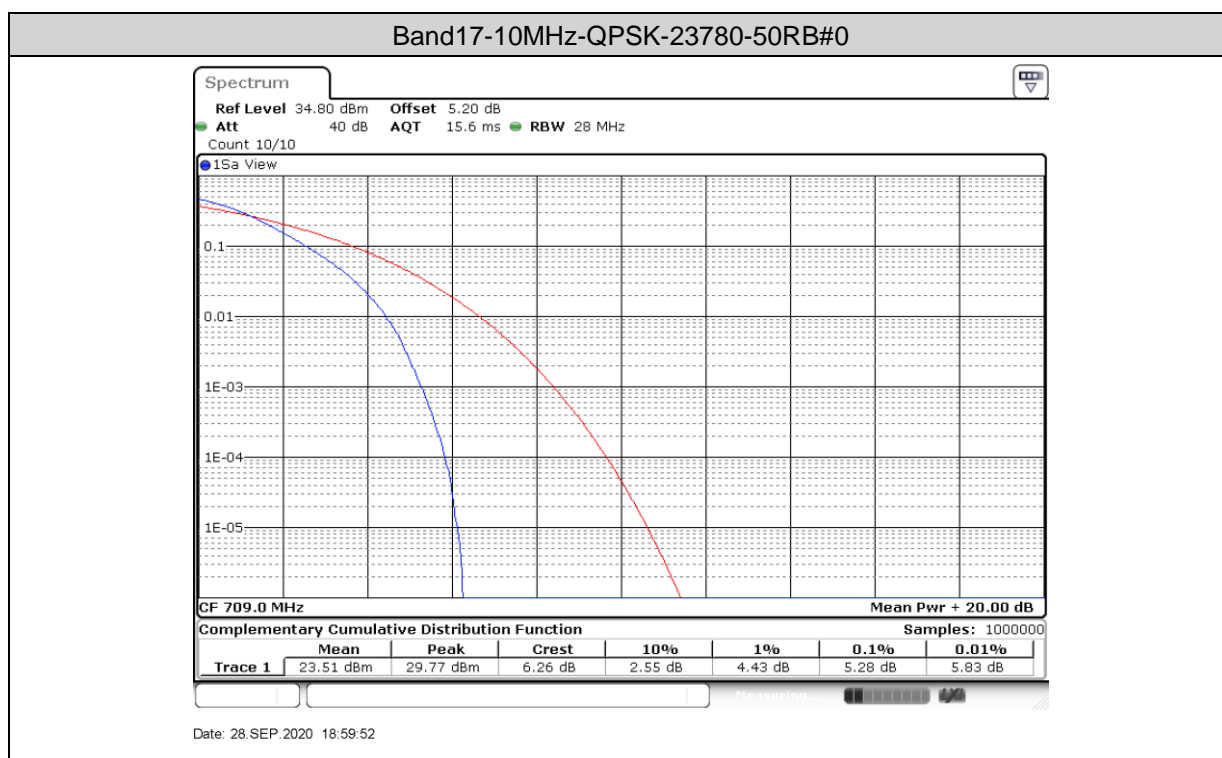
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

2. Peak-to-Average Ratio (CCDF)

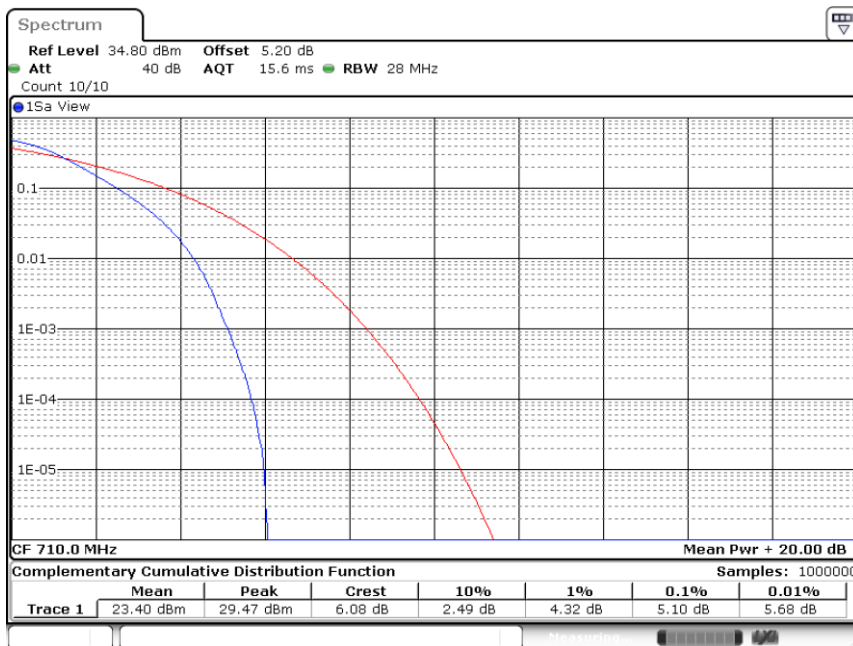
2.1. Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|--------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | 5.28 | 13 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | 5.10 | 13 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | 5.01 | 13 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | 6.14 | 13 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | 6.00 | 13 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | 5.94 | 13 | PASS |

2.2. Test Plots

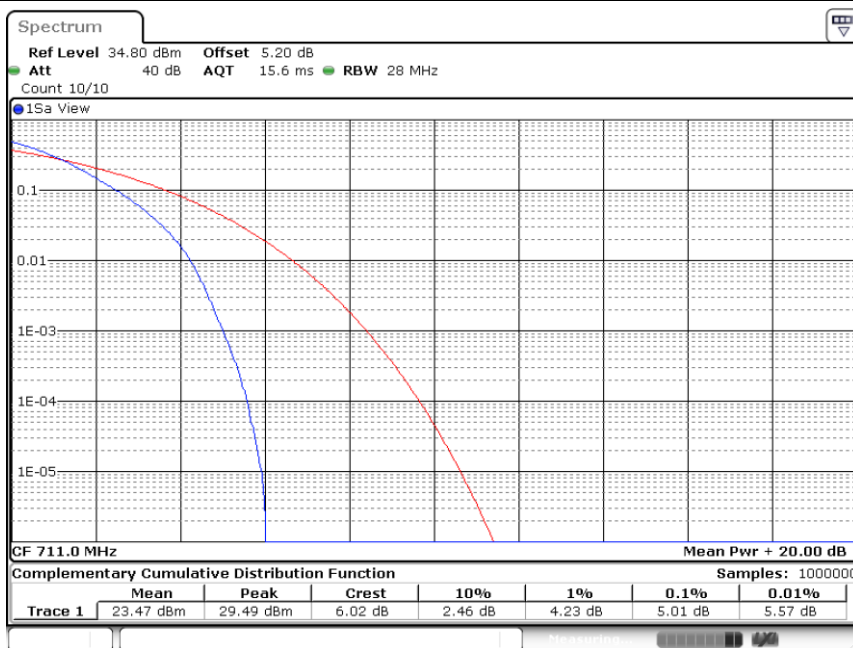


Band17-10MHz-QPSK-23790-50RB#0



Date: 28.SEP.2020 19:00:20

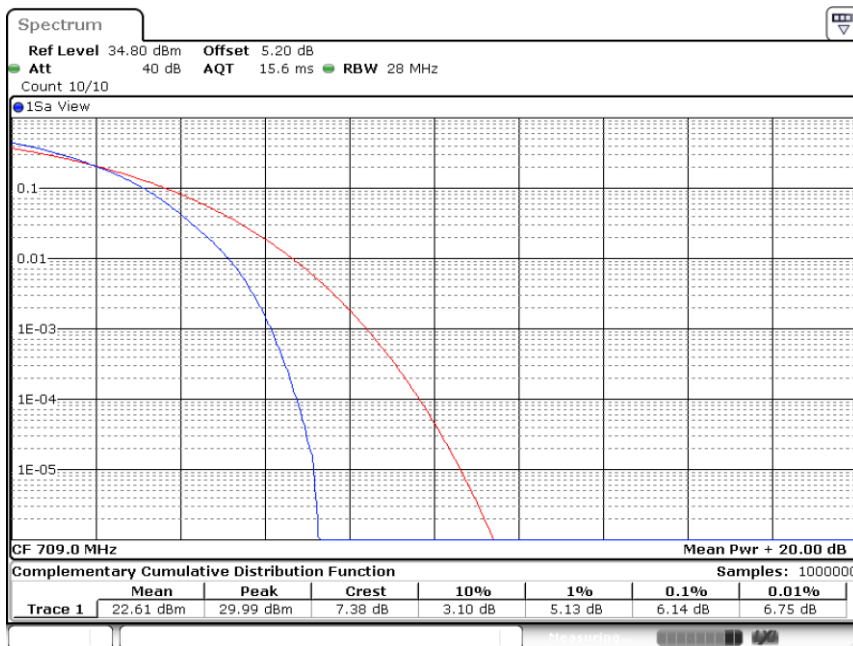
Band17-10MHz-QPSK-23800-50RB#0



Date: 28.SEP.2020 19:00:49

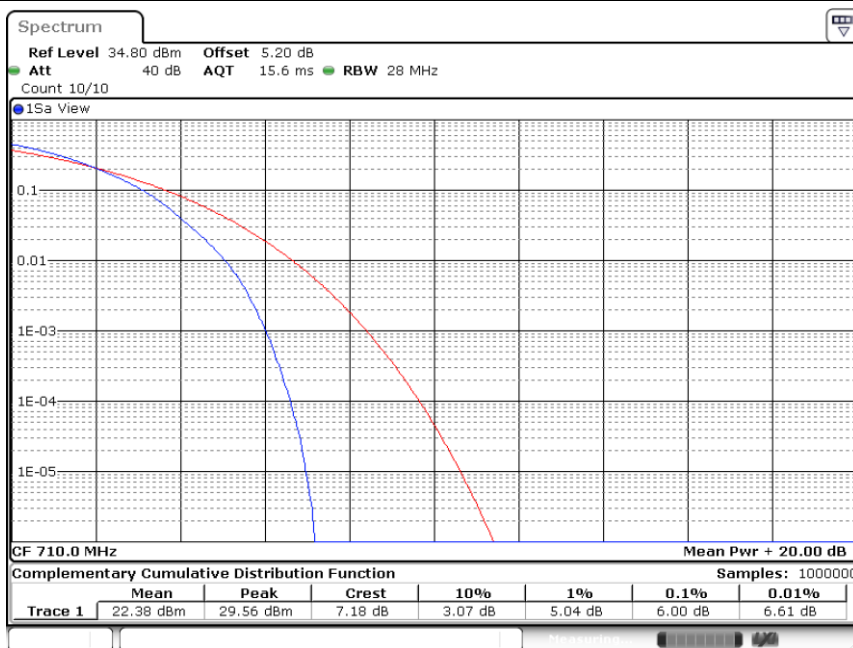


Band17-10MHz-16QAM-23780-50RB#0



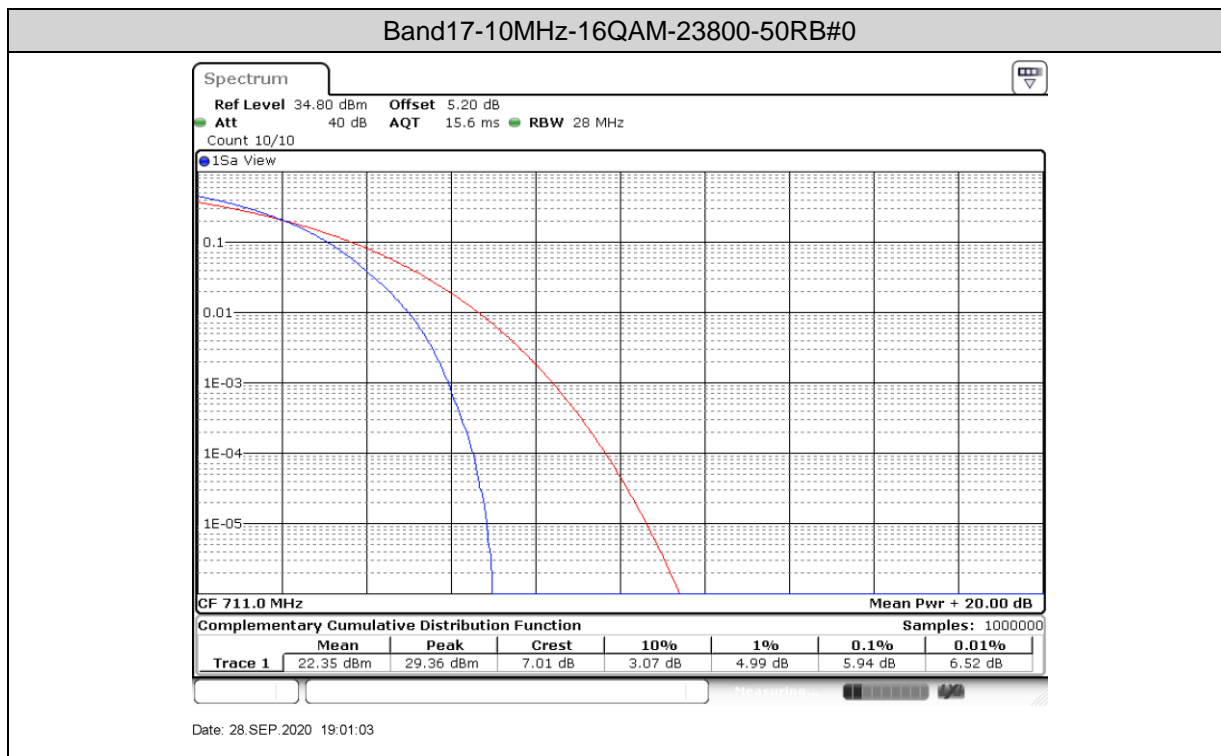
Date: 28.SEP.2020 19:00:06

Band17-10MHz-16QAM-23790-50RB#0



Date: 28.SEP.2020 19:00:34





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

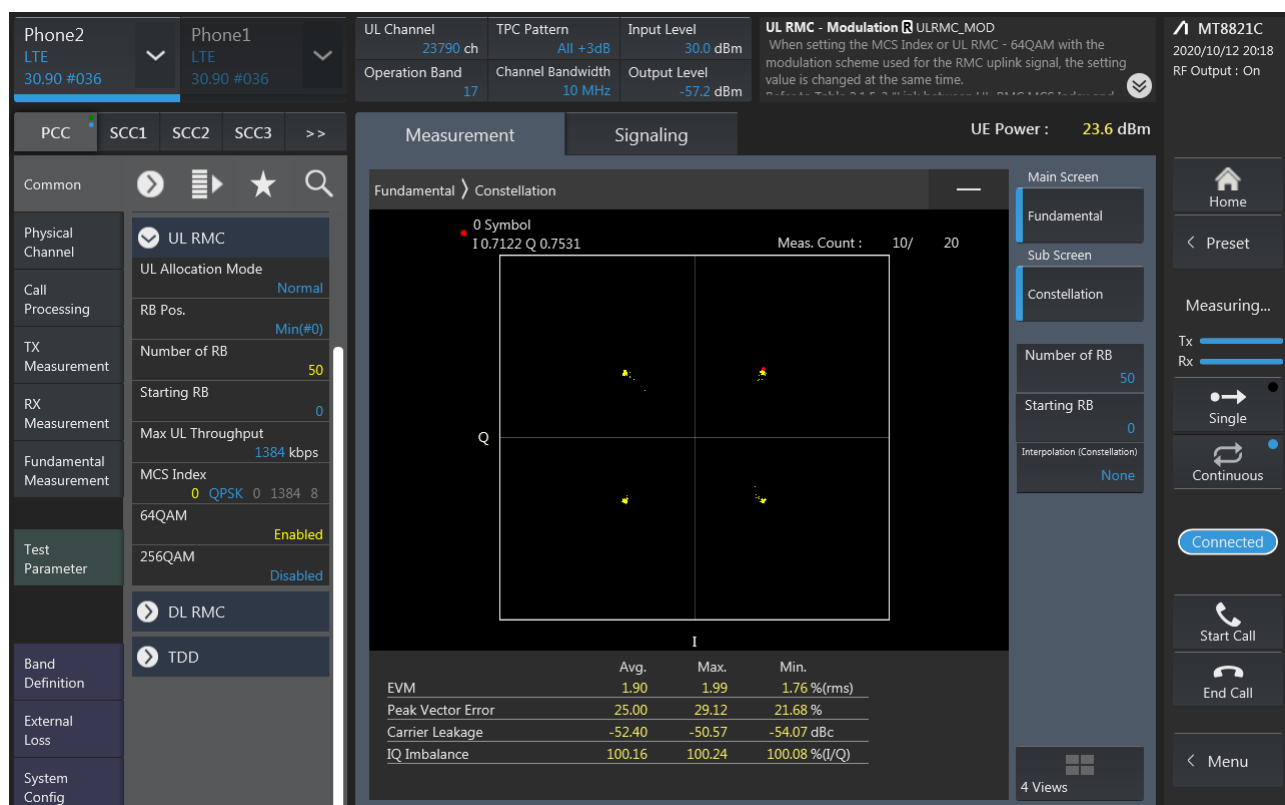
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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



3. Modulation Characteristics

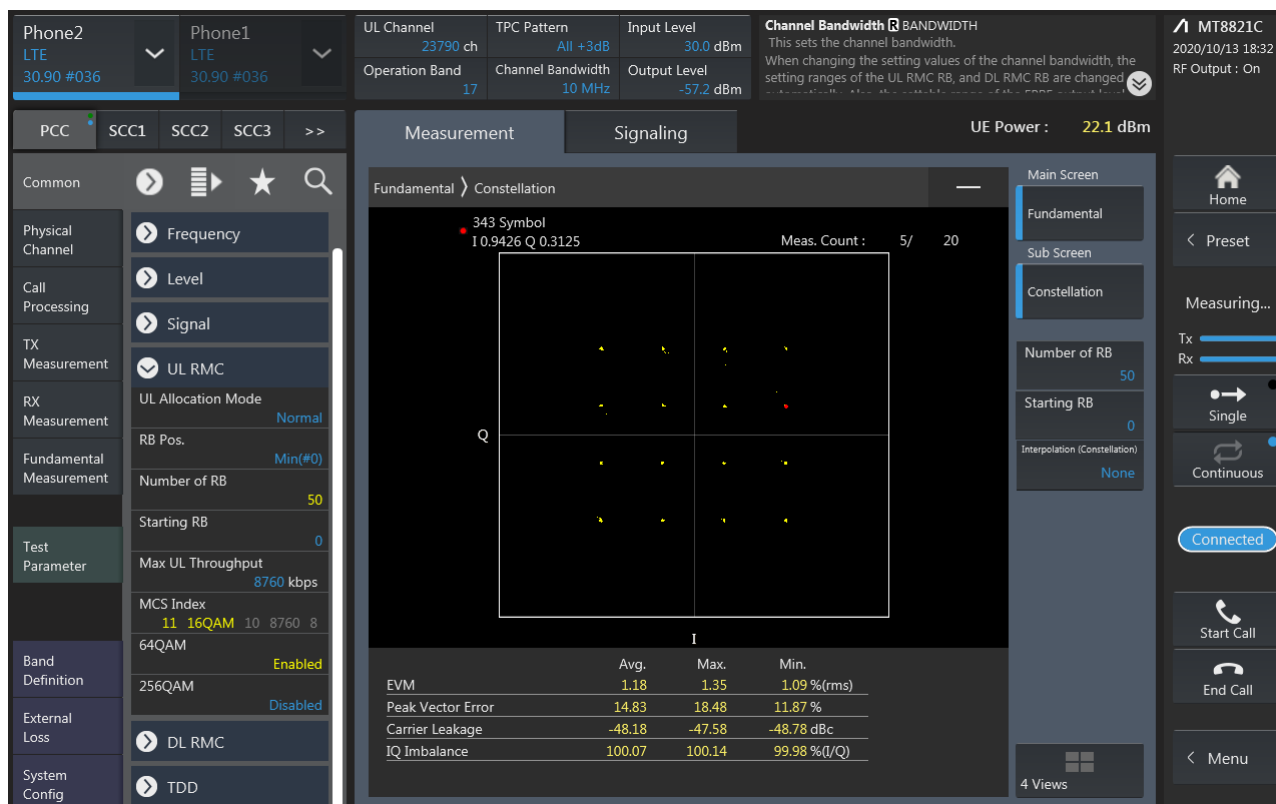
3.1. Test Mode = LTE /TM1 10MHz

3.1.1. Test Channel = MCH



3.2. Test Mode = LTE /TM2 10MHz

3.2.1. Test Channel = MCH



4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|--------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band17 | 5MHz | QPSK | 23755 | 25RB#0 | 4.466 | 4.940 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 25RB#0 | 4.456 | 4.900 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 25RB#0 | 4.466 | 4.880 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 25RB#0 | 4.476 | 4.950 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 25RB#0 | 4.476 | 4.960 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 25RB#0 | 4.476 | 4.900 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | 8.911 | 9.660 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | 8.871 | 9.600 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | 8.891 | 9.540 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | 8.911 | 9.680 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | 8.871 | 9.640 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | 8.871 | 9.580 | 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-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

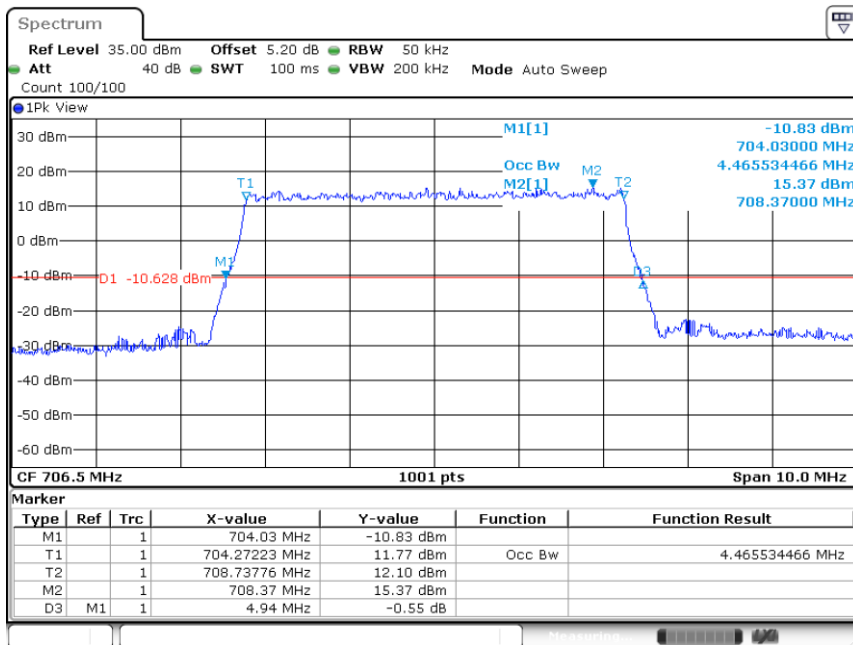
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (2010) China CCC Laboratory

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

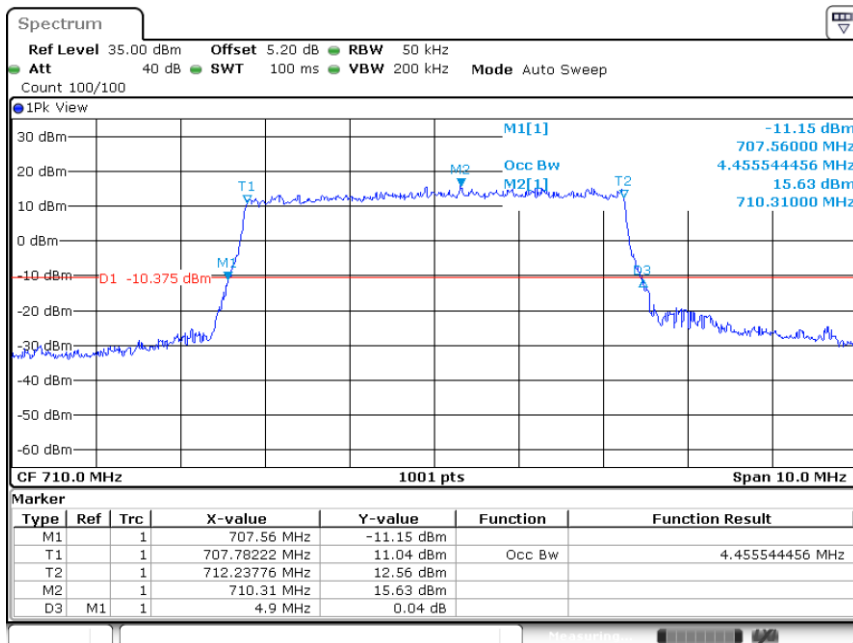
4.2. Test Plots

Band17-5MHz-QPSK-23755-25RB#0-4.466



Date: 28.SEP.2020 18:46:48

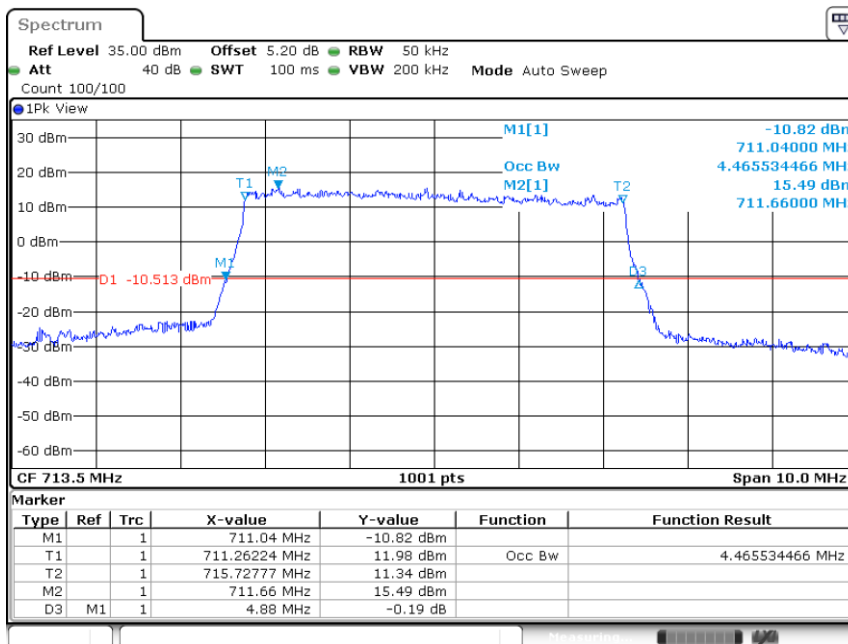
Band17-5MHz-QPSK-23790-25RB#0-4.456



Date: 28.SEP.2020 18:47:34

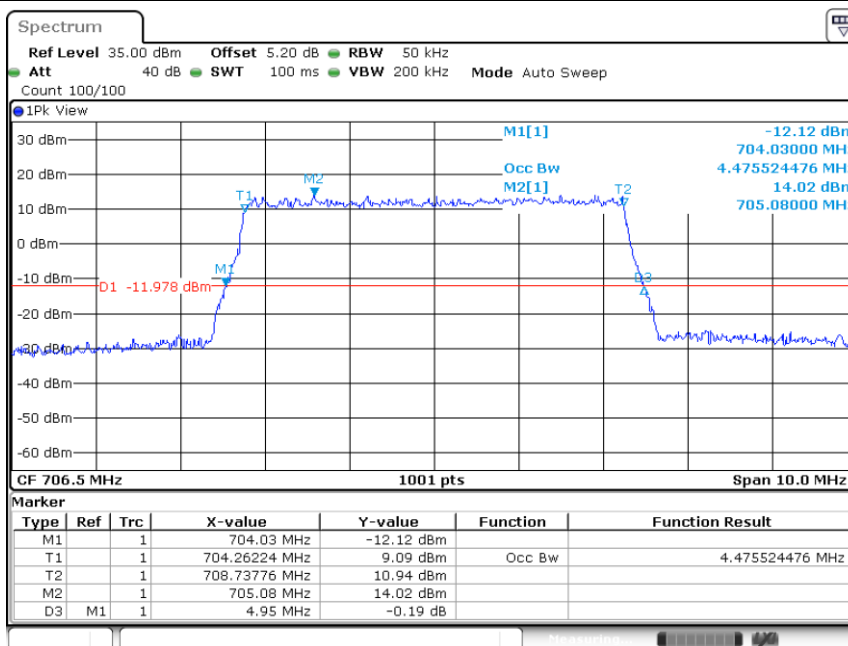


Band17-5MHz-QPSK-23825-25RB#0-4.466



Date: 28.SEP.2020 18:48:19

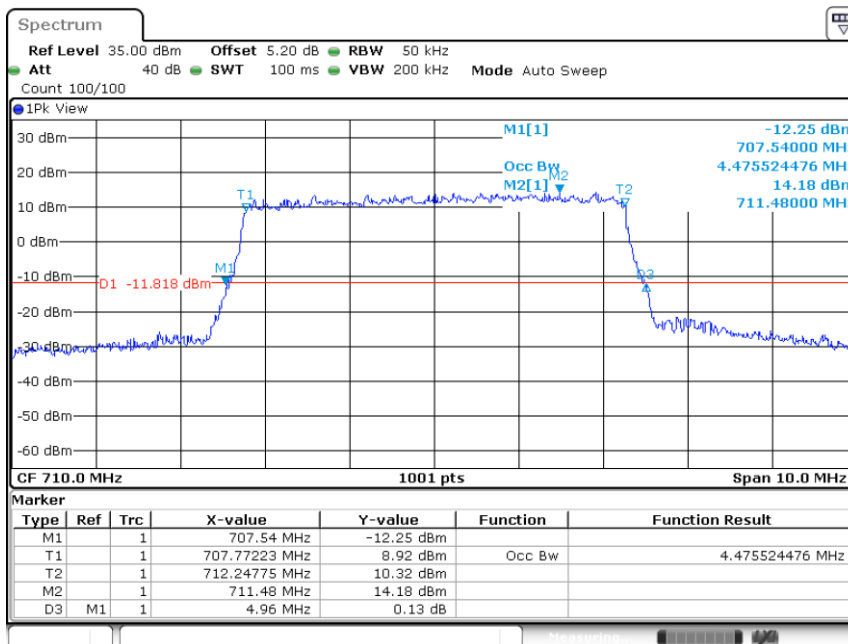
Band17-5MHz-16QAM-23755-25RB#0-4.476



Date: 28.SEP.2020 18:47:11

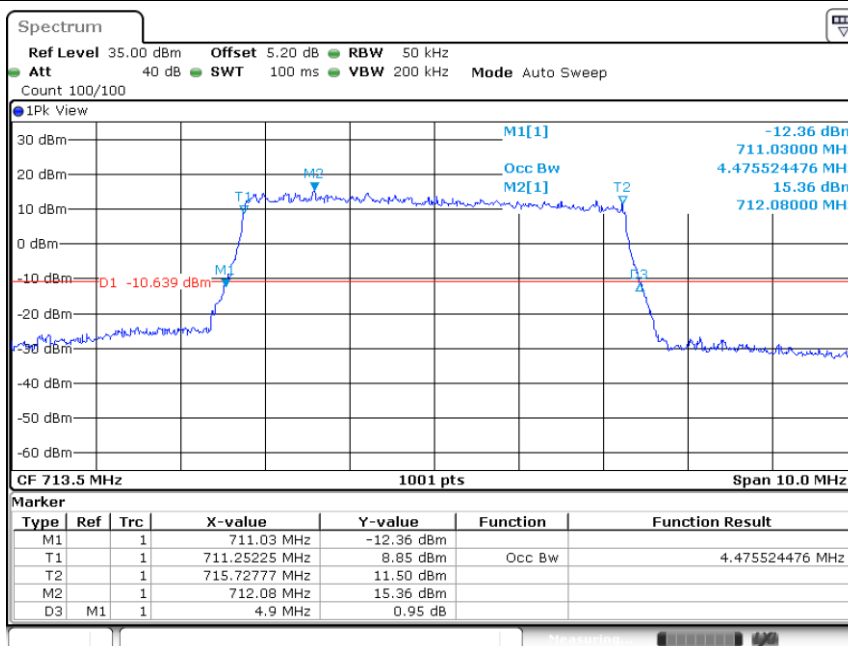


Band17-5MHz-16QAM-23790-25RB#0-4.476



Date: 28.SEP.2020 18:47:56

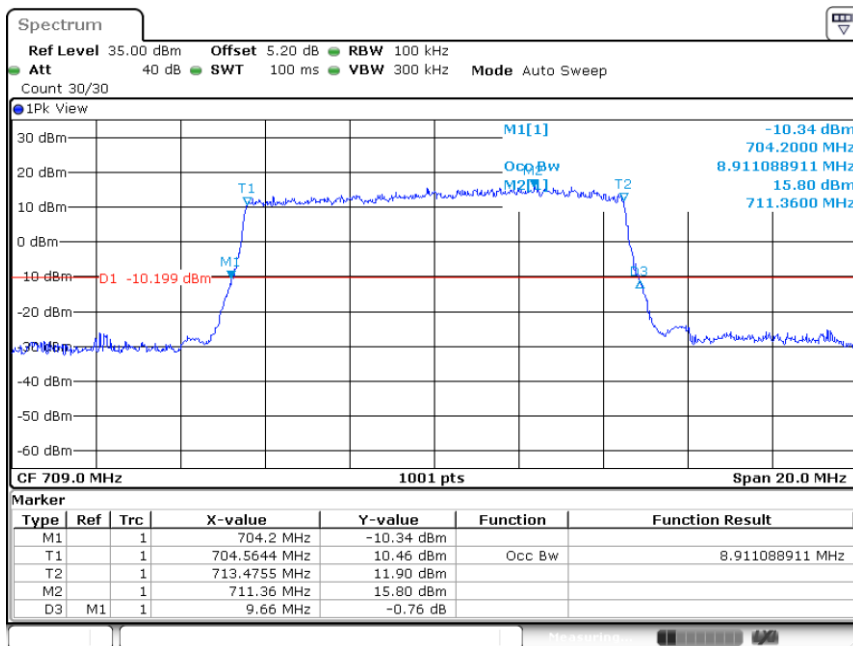
Band17-5MHz-16QAM-23825-25RB#0-4.476



Date: 28.SEP.2020 18:48:42

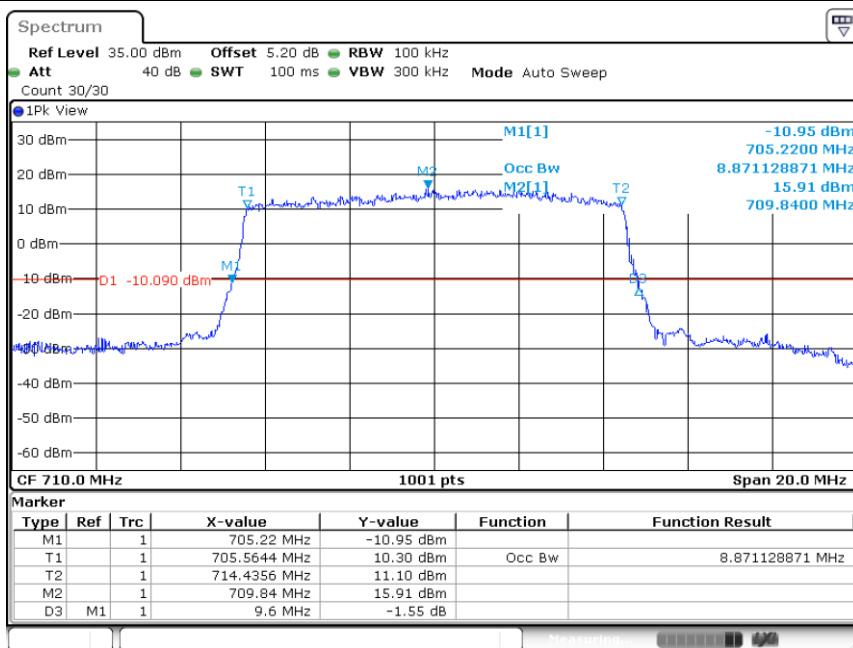


Band17-10MHz-QPSK-23780-50RB#0-8.911



Date: 28.SEP.2020 18:49:03

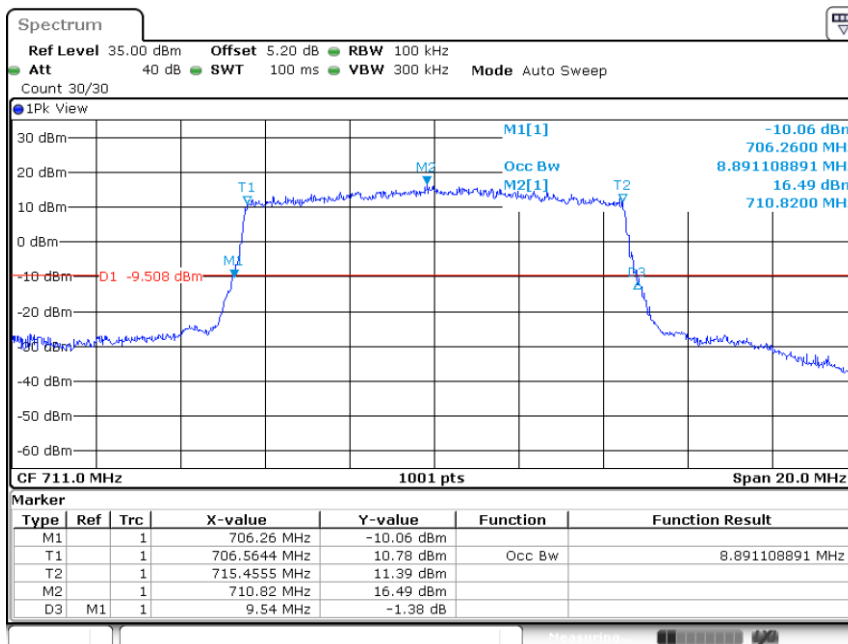
Band17-10MHz-QPSK-23790-50RB#0-8.871



Date: 28.SEP.2020 18:49:35

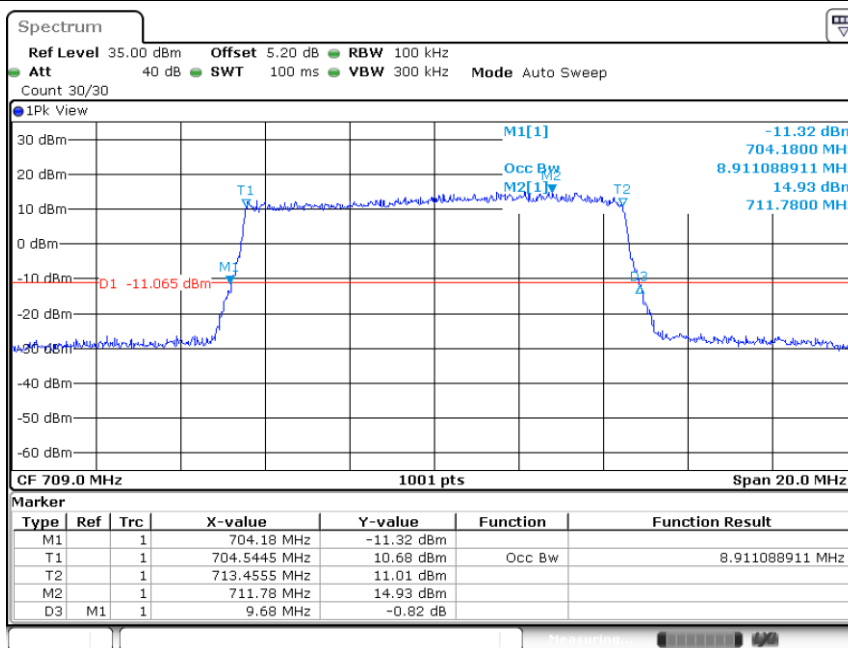


Band17-10MHz-QPSK-23800-50RB#0-8.891



Date: 28.SEP.2020 18:50:07

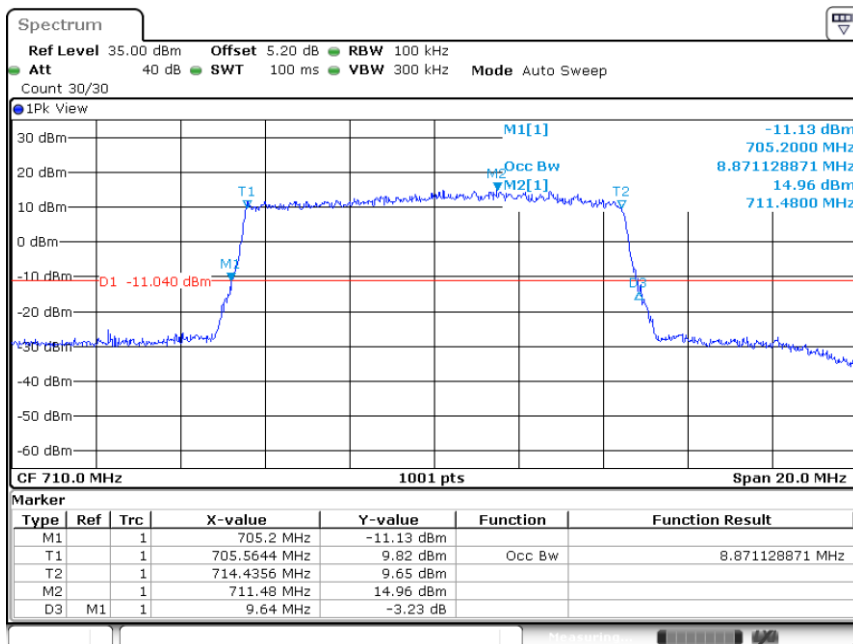
Band17-10MHz-16QAM-23780-50RB#0-8.911



Date: 28.SEP.2020 18:49:19

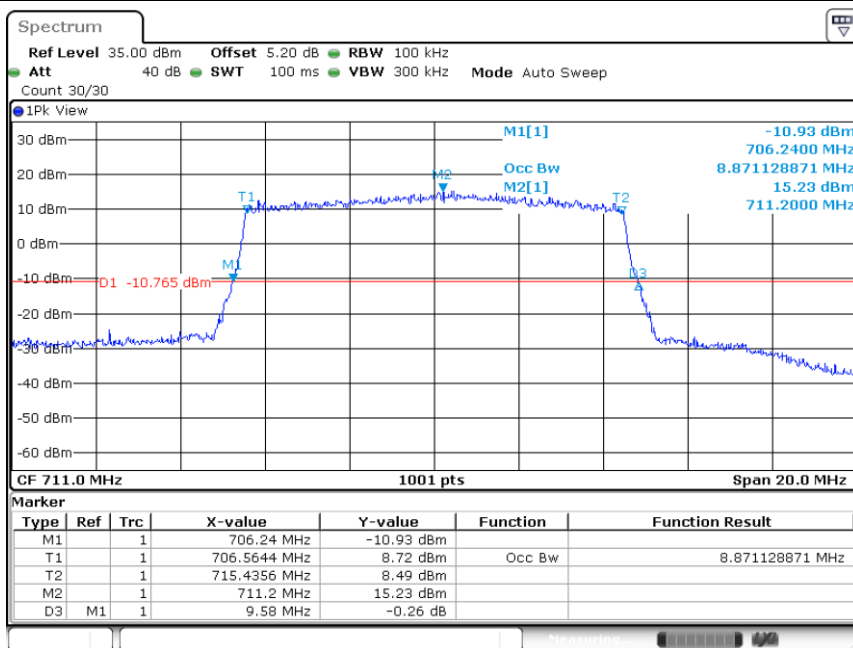


Band17-10MHz-16QAM-23790-50RB#0-8.871



Date: 28.SEP.2020 18:49:51

Band17-10MHz-16QAM-23800-50RB#0-8.871



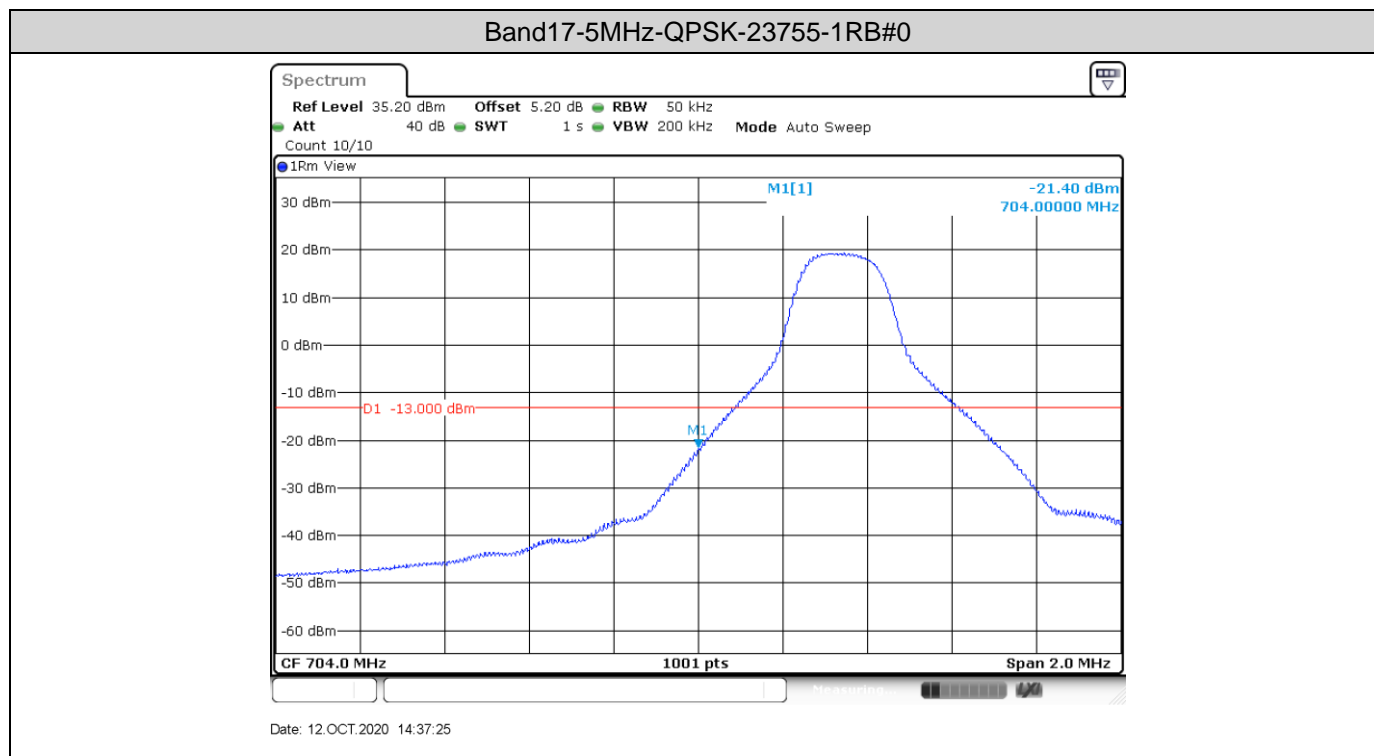
Date: 28.SEP.2020 18:50:22





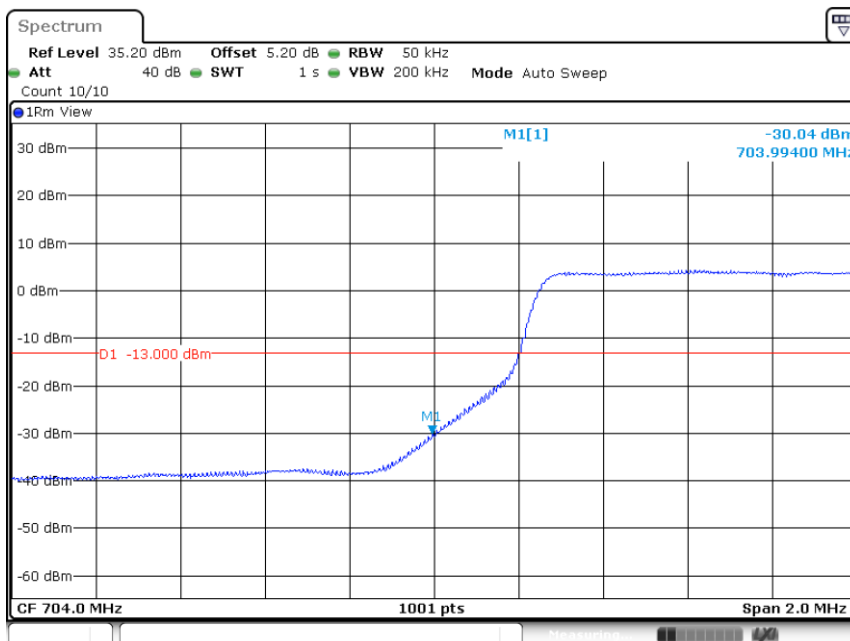
5. Band Edge Compliance

5.1. Test Plots





Band17-5MHz-QPSK-23755-25RB#0



Date: 12.OCT.2020 14:38:06

Band17-5MHz-QPSK-23825-1RB#24

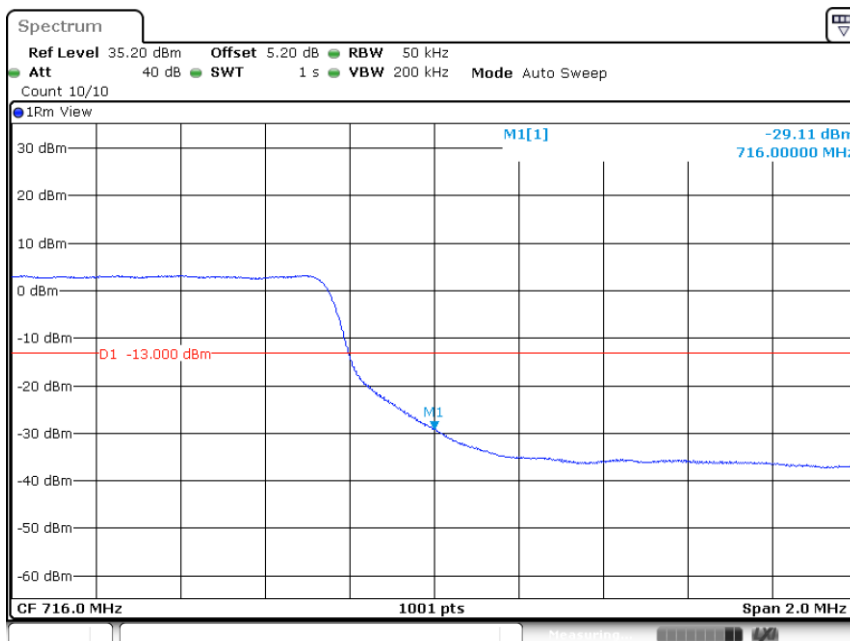


Date: 12.OCT.2020 14:38:51



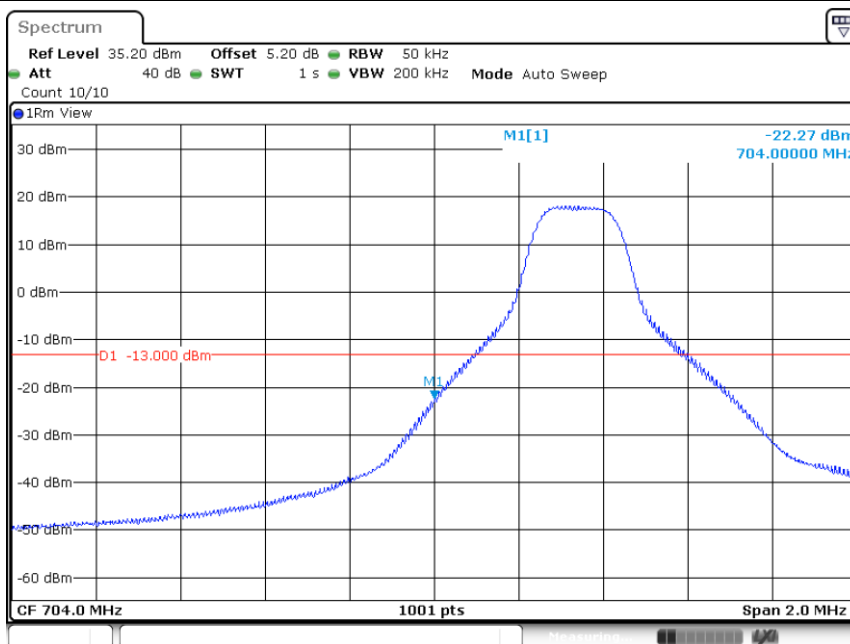


Band17-5MHz-QPSK-23825-25RB#0



Date: 12.OCT.2020 14:39:32

Band17-5MHz-16QAM-23755-1RB#0



Date: 12.OCT.2020 14:37:45



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

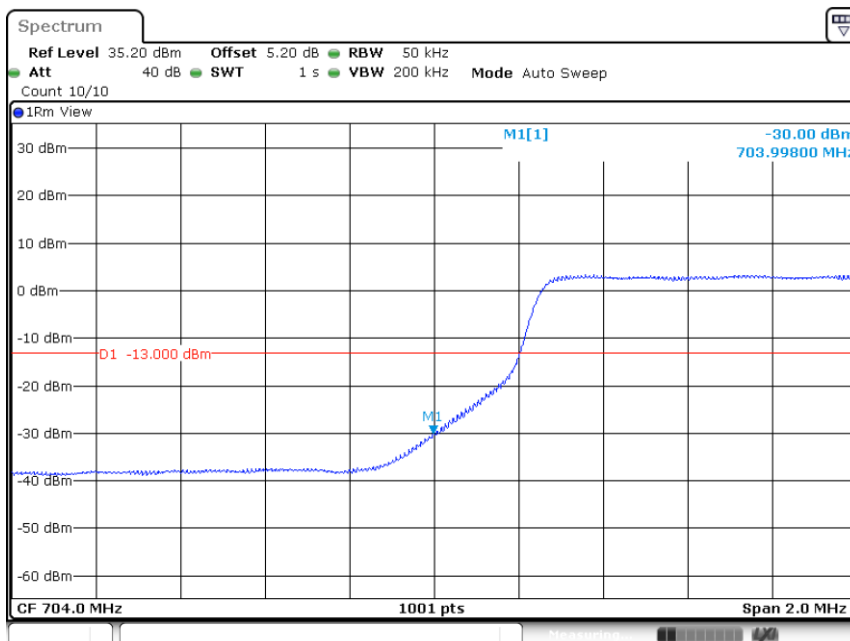
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic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

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

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

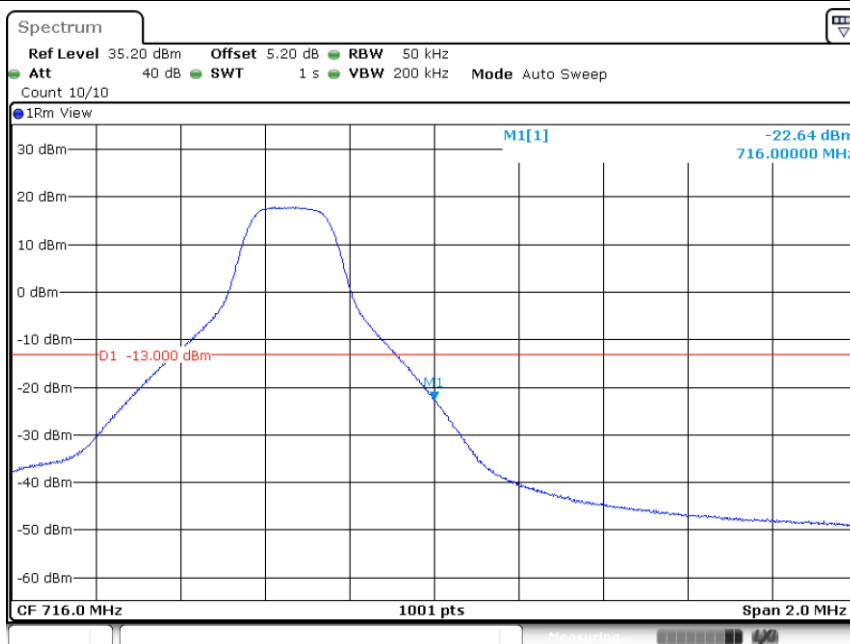


Band17-5MHz-16QAM-23755-25RB#0



Date: 12.OCT.2020 14:38:26

Band17-5MHz-16QAM-23825-1RB#24

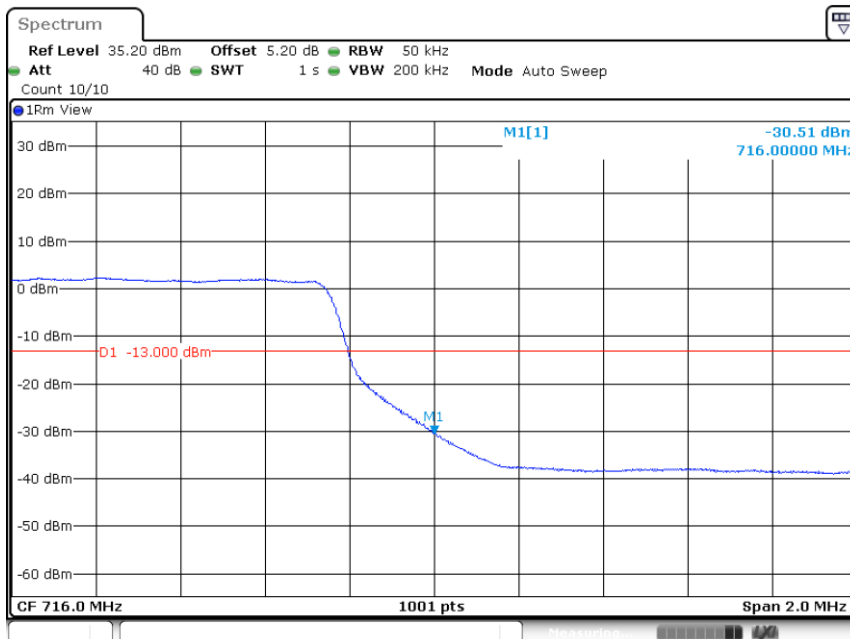


Date: 12.OCT.2020 14:39:11



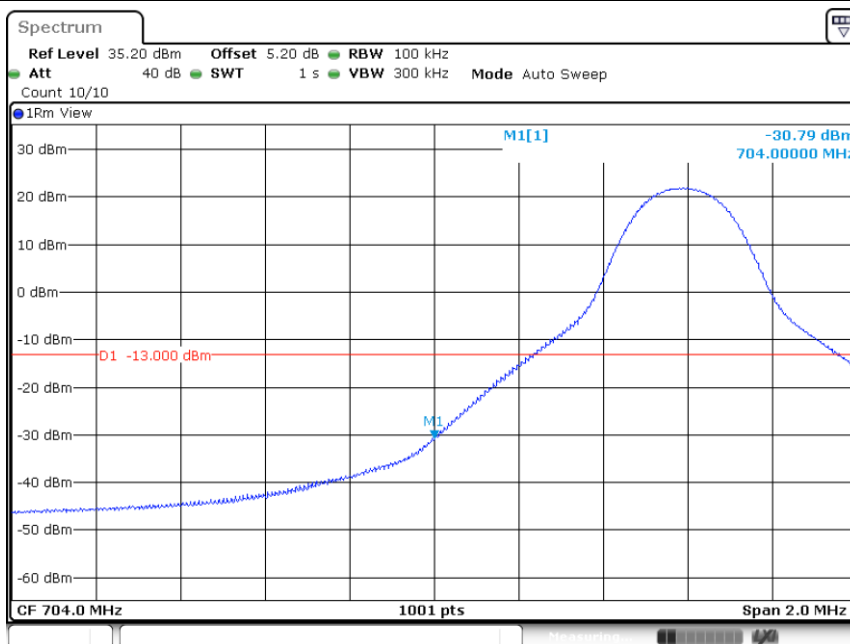


Band17-5MHz-16QAM-23825-25RB#0



Date: 12.OCT.2020 14:39:52

Band17-10MHz-QPSK-23780-1RB#0

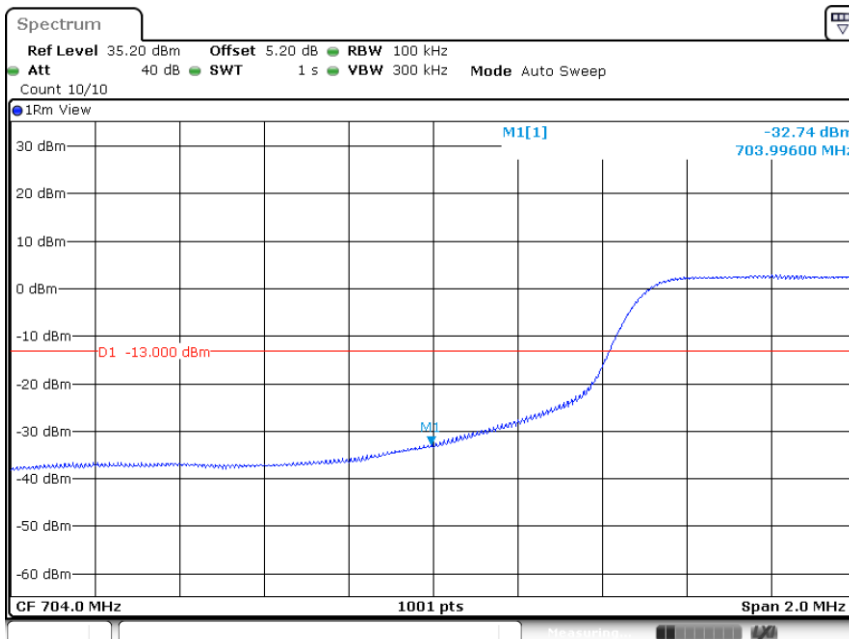


Date: 12.OCT.2020 14:40:17



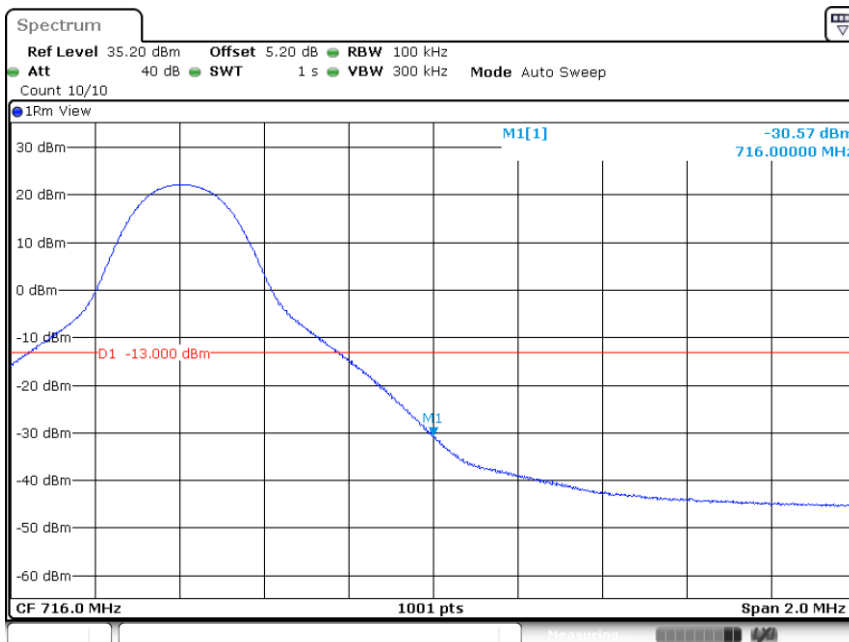


Band17-10MHz-QPSK-23780-50RB#0



Date: 12.OCT.2020 14:40:58

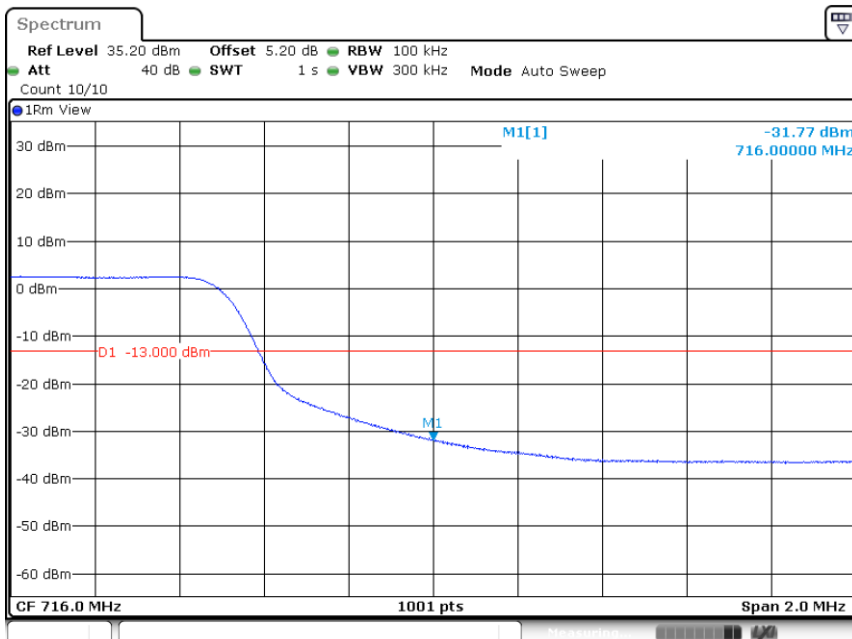
Band17-10MHz-QPSK-23800-1RB#49



Date: 12.OCT.2020 14:41:43

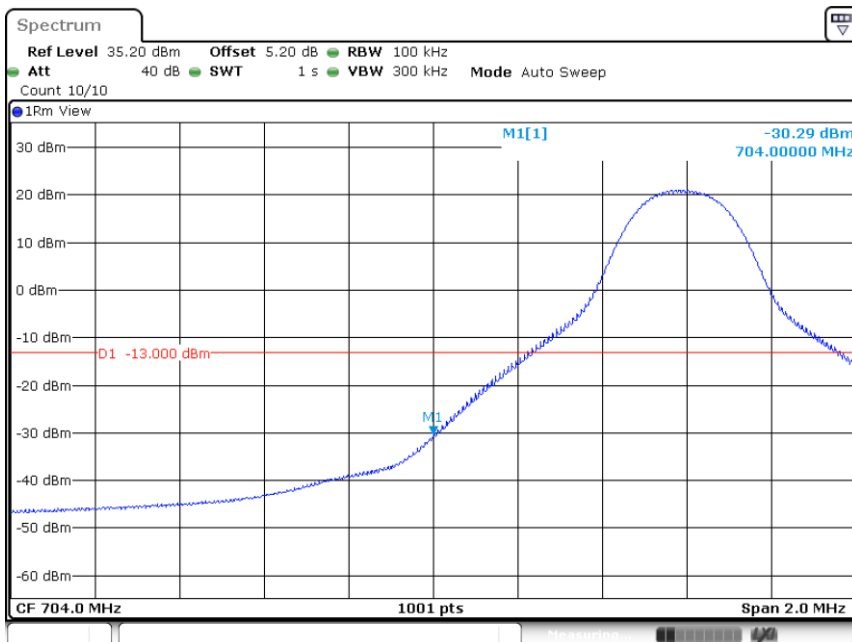


Band17-10MHz-QPSK-23800-50RB#0



Date: 12.OCT.2020 14:42:24

Band17-10MHz-16QAM-23780-1RB#0



Date: 12.OCT.2020 14:40:38



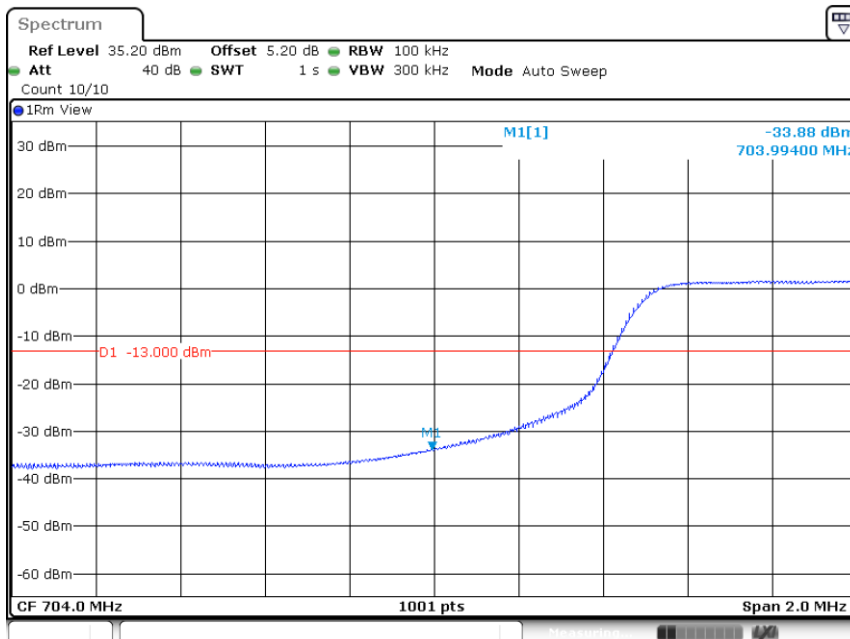
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (CCC Laboratory)

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

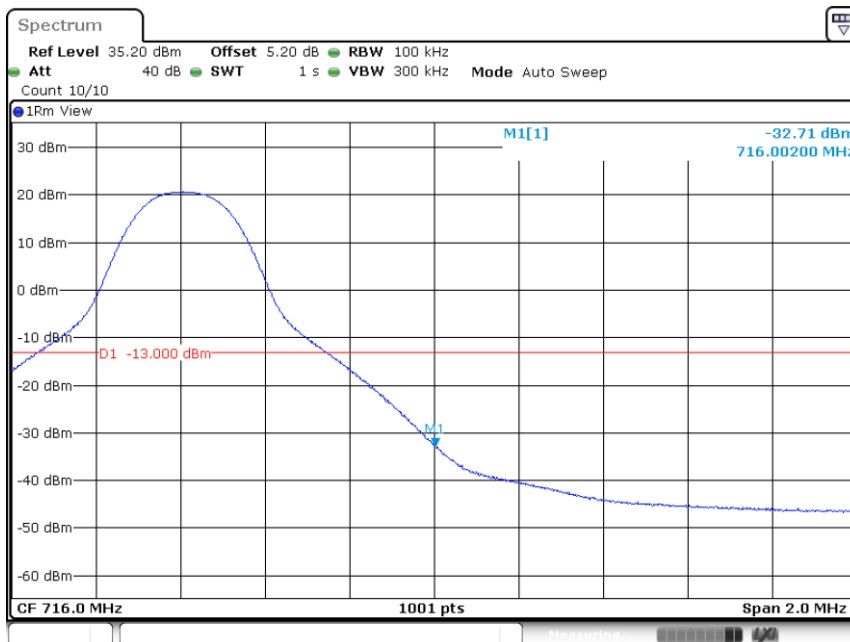
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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



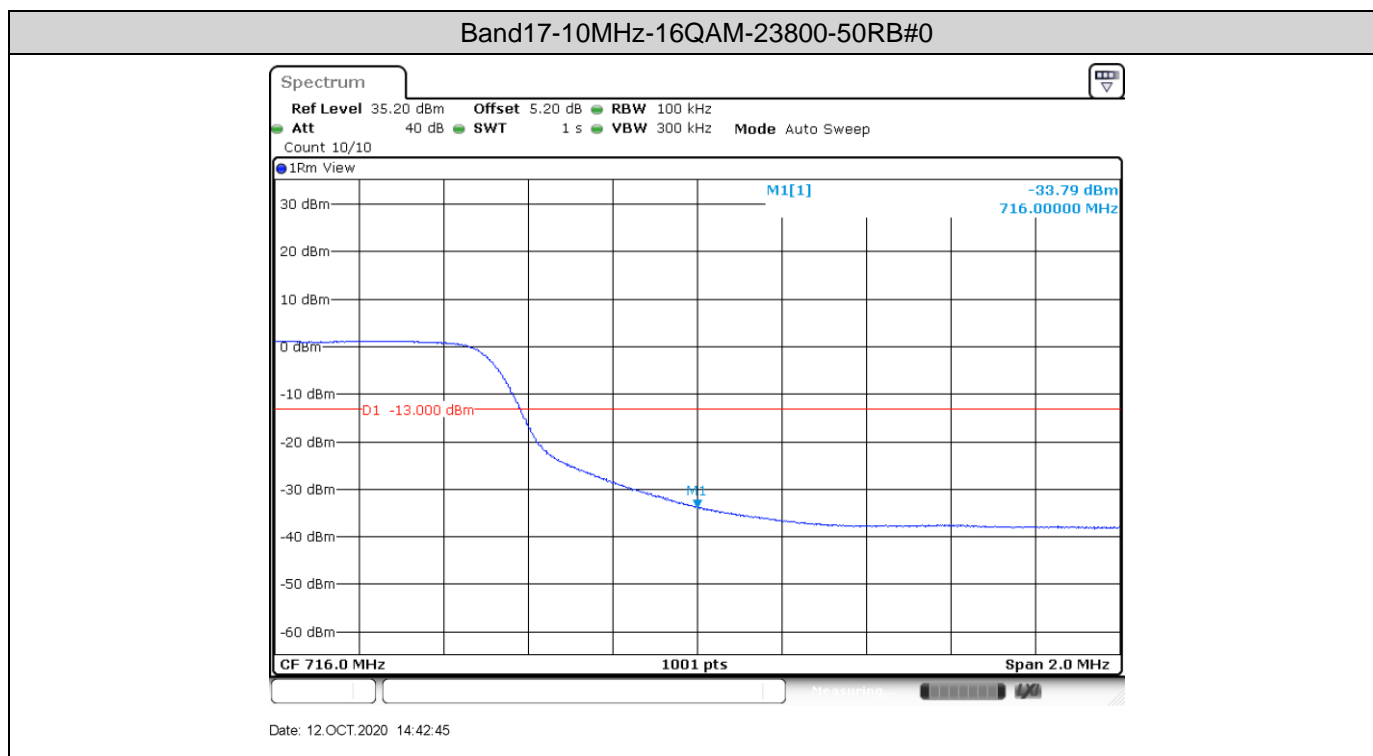
Band17-10MHz-16QAM-23780-50RB#0



Band17-10MHz-16QAM-23800-1RB#49



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



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

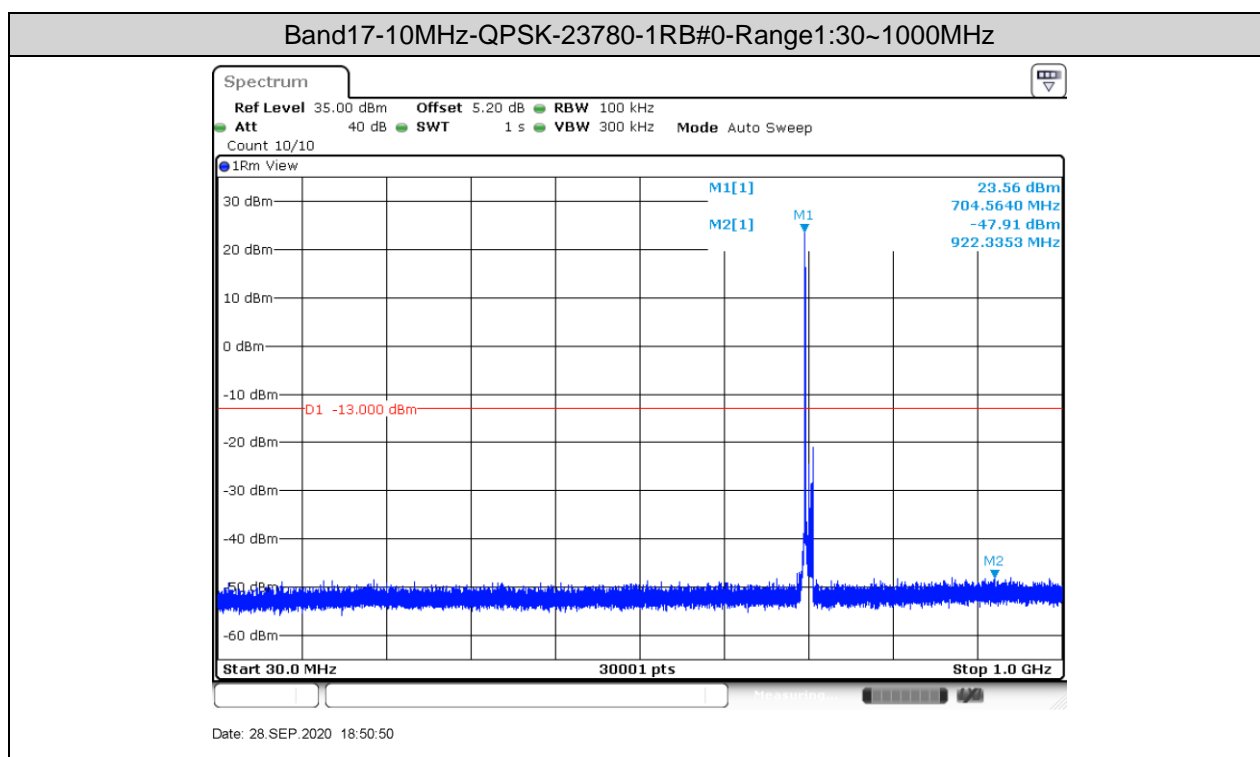
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

6. Spurious Emission at Antenna Terminal

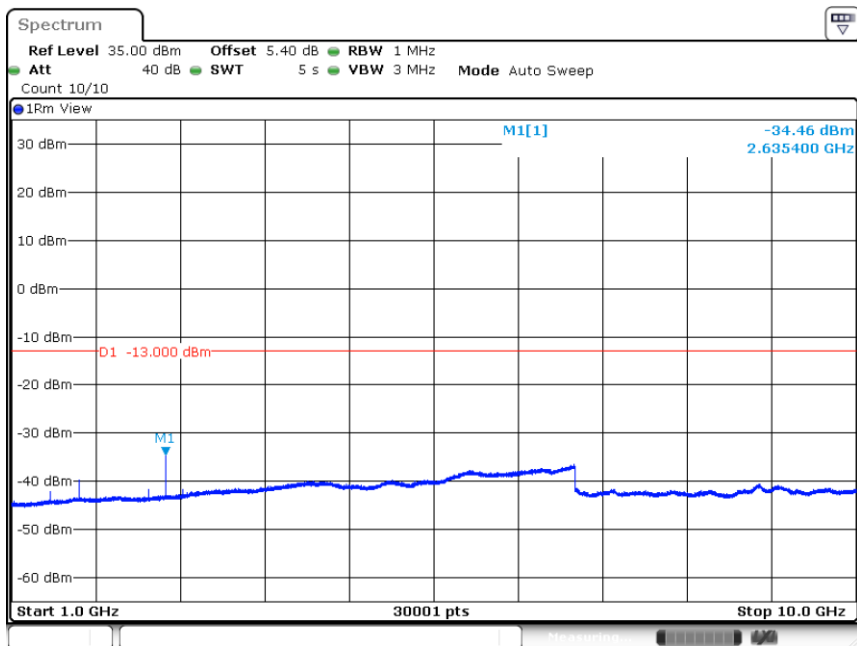
Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points =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

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

6.1. Test Plots

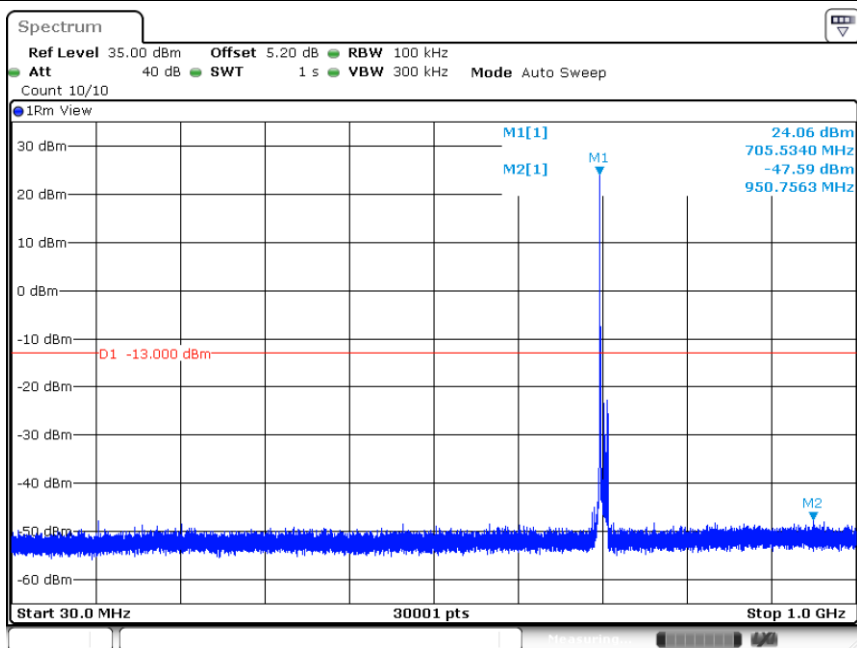


Band17-10MHz-QPSK-23780-1RB#0-Range2:1000~10000MHz



Date: 28.SEP.2020 18:51:58

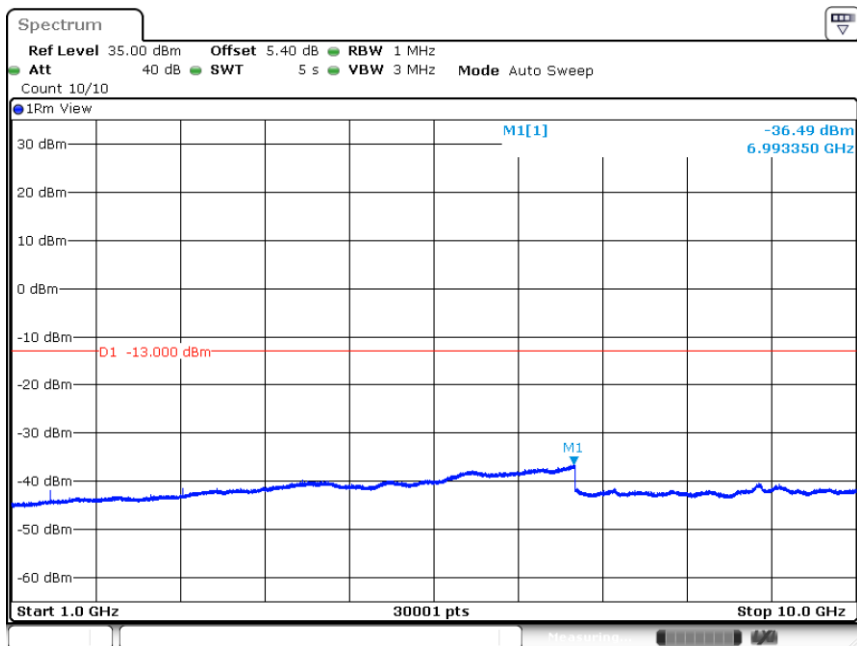
Band17-10MHz-QPSK-23790-1RB#0-Range1:30~1000MHz



Date: 28.SEP.2020 18:53:51

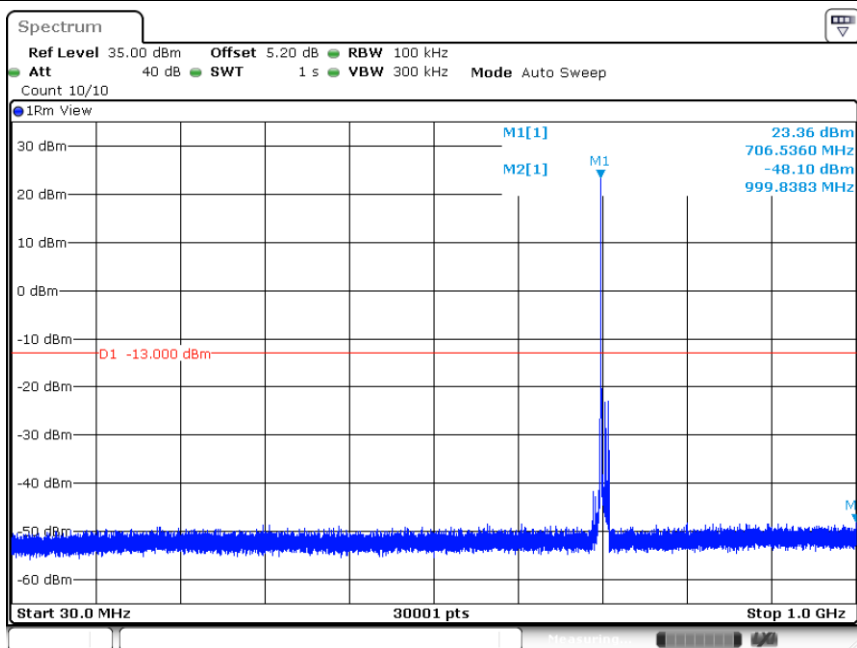


Band17-10MHz-QPSK-23790-1RB#0-Range2:1000~10000MHz



Date: 28.SEP.2020 18:55:00

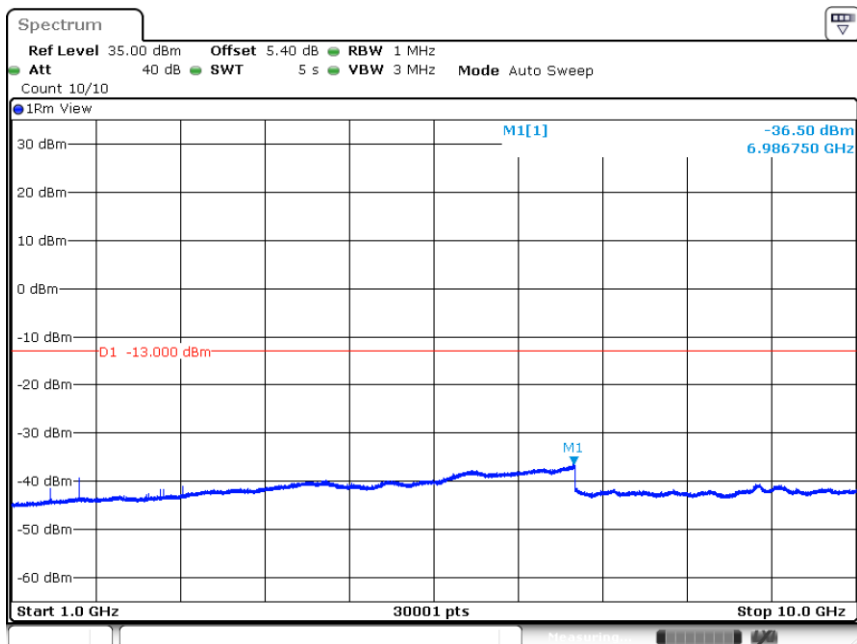
Band17-10MHz-QPSK-23800-1RB#0-Range1:30~1000MHz



Date: 28.SEP.2020 18:56:54

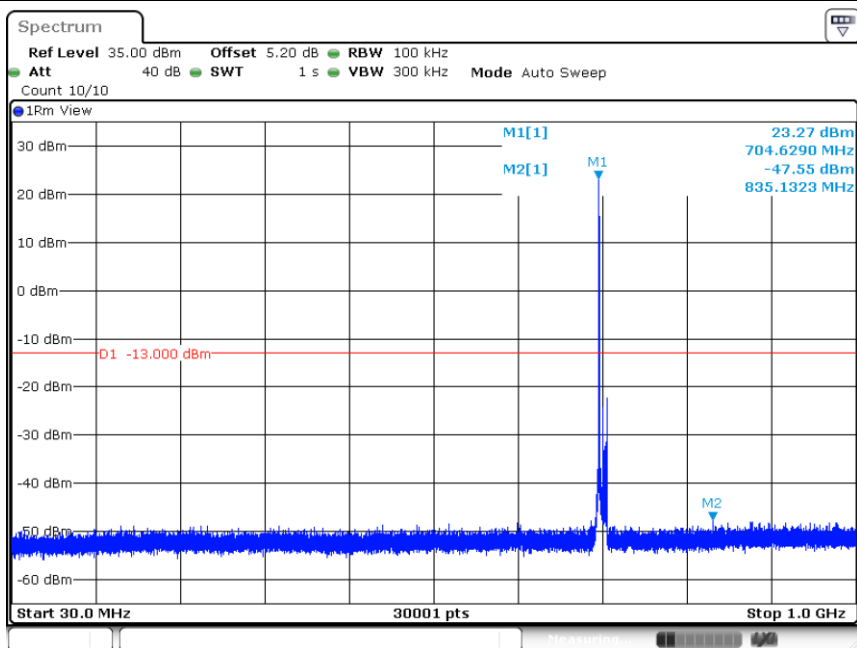


Band17-10MHz-QPSK-23800-1RB#0-Range2:1000~10000MHz



Date: 28.SEP.2020 18:58:02

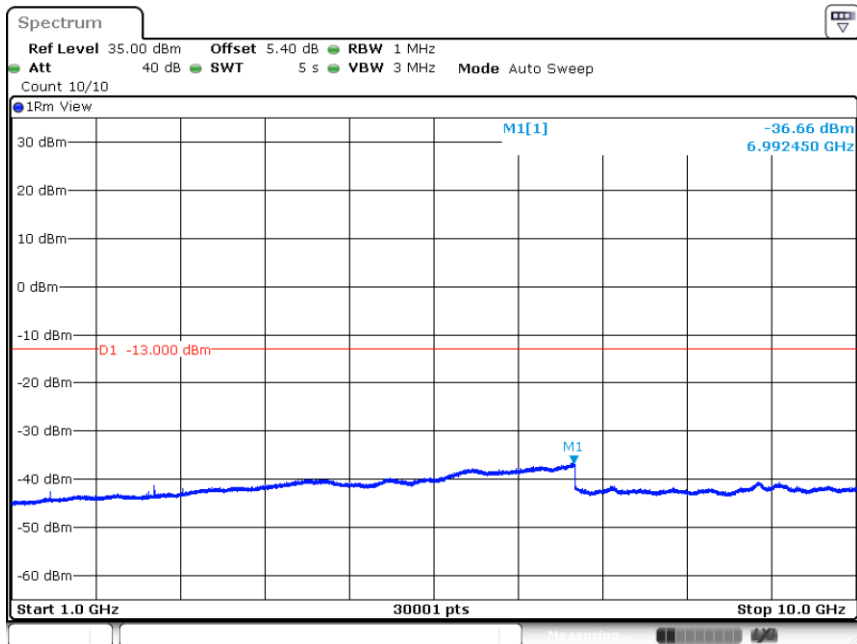
Band17-10MHz-16QAM-23780-1RB#0-Range1:30~1000MHz



Date: 28.SEP.2020 18:52:20

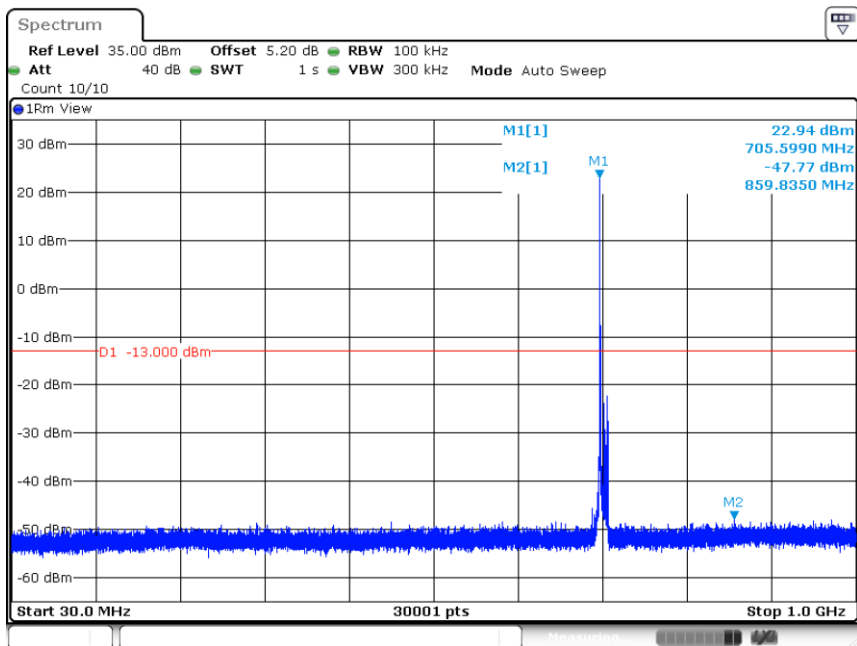


Band17-10MHz-16QAM-23780-1RB#0-Range2:1000~10000MHz



Date: 28.SEP.2020 18:53:29

Band17-10MHz-16QAM-23790-1RB#0-Range1:30~1000MHz



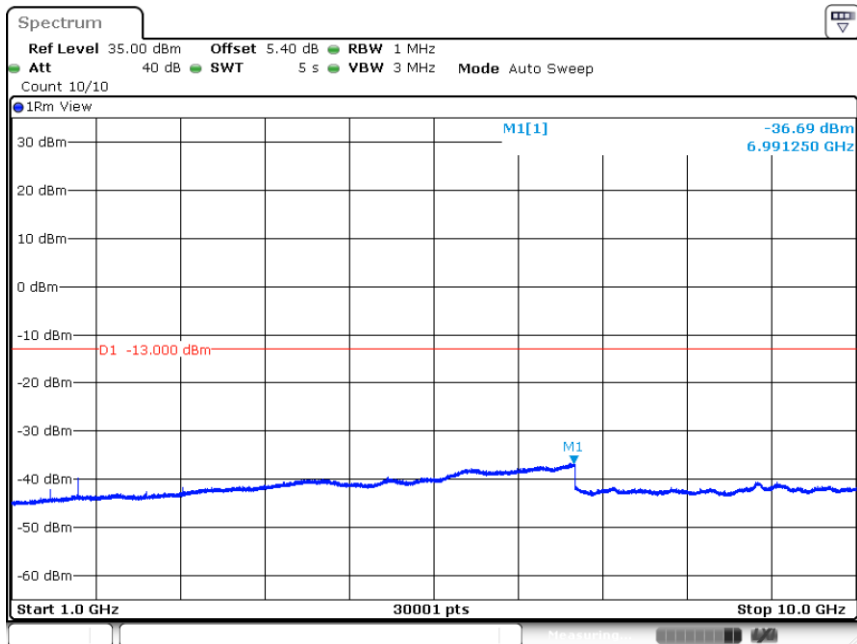
Date: 28.SEP.2020 18:55:22



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

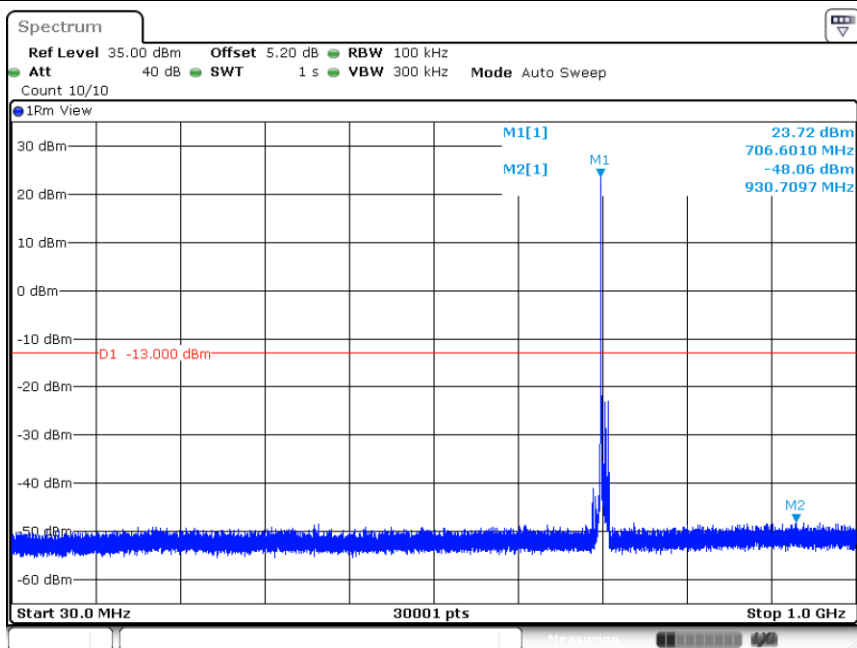
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn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

Band17-10MHz-16QAM-23790-1RB#0-Range2:1000~10000MHz



Date: 28.SEP.2020 18:56:31

Band17-10MHz-16QAM-23800-1RB#0-Range1:30~1000MHz

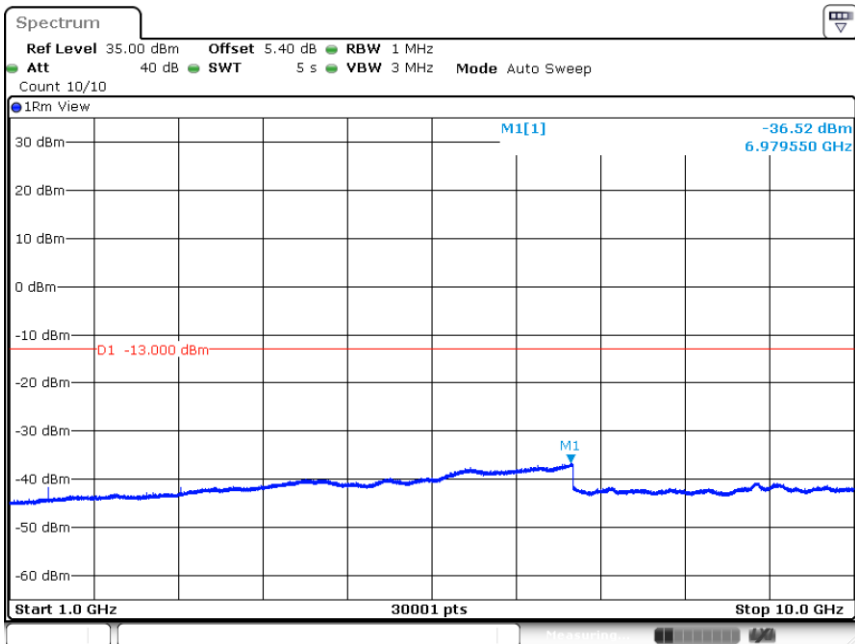


Date: 28.SEP.2020 18:58:24



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

Band17-10MHz-16QAM-23800-1RB#0-Range2:1000~10000MHz



Date: 28.SEP.2020 18:59:33



7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1 10MHz

7.1.1.Test Channel = LCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Height [cm] | Angle [°] | Polarization |
|-----------------|-------------|------------------|-------------|-------------|-----------|--------------|
| 30.6305 | -73.34 | -13.00 | 60.34 | 163 | 217 | Vertical |
| 110.4655 | -65.07 | -13.00 | 52.07 | 282 | 351 | Vertical |
| 1408.8818 | -53.49 | -13.00 | 40.49 | 141 | 7 | Vertical |
| 2818.7638 | -52.13 | -13.00 | 39.13 | 222 | 196 | Vertical |
| 3522.7809 | -60.69 | -13.00 | 47.69 | 196 | 244 | Vertical |
| 9326.2931 | -52.52 | -13.00 | 39.52 | 175 | 324 | Vertical |
| 44.7447 | -64.37 | -13.00 | 51.37 | 185 | 217 | Horizontal |
| 229.7815 | -68.66 | -13.00 | 55.66 | 188 | 271 | Horizontal |
| 1408.8818 | -49.29 | -13.00 | 36.29 | 122 | 320 | Horizontal |
| 2113.8228 | -59.99 | -13.00 | 46.99 | 196 | 356 | Horizontal |
| 2818.3637 | -51.33 | -13.00 | 38.33 | 143 | 161 | Horizontal |
| 3523.0609 | -59.46 | -13.00 | 46.46 | 252 | 191 | Horizontal |

7.1.2.Test Channel = MCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Height [cm] | Angle [°] | Polarization |
|-----------------|-------------|------------------|-------------|-------------|-----------|--------------|
| 31.6006 | -75.42 | -13.00 | 62.42 | 265 | 138 | Vertical |
| 109.9805 | -64.78 | -13.00 | 51.78 | 211 | 217 | Vertical |
| 438.8269 | -66.99 | -13.00 | 53.99 | 163 | 324 | Vertical |
| 1410.8822 | -55.10 | -13.00 | 42.10 | 222 | 26 | Vertical |
| 2822.3645 | -50.58 | -13.00 | 37.58 | 172 | 196 | Vertical |
| 3528.1011 | -59.37 | -13.00 | 46.37 | 289 | 271 | Vertical |
| 45.7148 | -63.84 | -13.00 | 50.84 | 196 | 217 | Horizontal |
| 88.0089 | -75.94 | -13.00 | 62.94 | 252 | 298 | Horizontal |
| 241.7616 | -68.43 | -13.00 | 55.43 | 144 | 324 | Horizontal |
| 1411.2823 | -49.36 | -13.00 | 36.36 | 175 | 308 | Horizontal |
| 2822.3645 | -49.87 | -13.00 | 36.87 | 162 | 156 | Horizontal |
| 3528.1011 | -59.31 | -13.00 | 46.31 | 145 | 31 | Horizontal |



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

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



7.1.3. Test Channel = HCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Height [cm] | Angle [°] | Polarization |
|-----------------|-------------|------------------|-------------|-------------|-----------|--------------|
| 30.3880 | -74.50 | -13.00 | 61.50 | 163 | 353 | Vertical |
| 109.9320 | -64.38 | -13.00 | 51.38 | 141 | 58 | Vertical |
| 444.0652 | -67.86 | -13.00 | 54.86 | 172 | 272 | Vertical |
| 1412.8826 | -53.69 | -13.00 | 40.69 | 122 | 340 | Vertical |
| 2826.3653 | -49.85 | -13.00 | 36.85 | 199 | 195 | Vertical |
| 3532.8613 | -61.34 | -13.00 | 48.34 | 175 | 272 | Vertical |
| 44.6962 | -64.36 | -13.00 | 51.36 | 215 | 352 | Horizontal |
| 103.4812 | -75.64 | -13.00 | 62.64 | 111 | 4 | Horizontal |
| 235.6018 | -68.97 | -13.00 | 55.97 | 196 | 111 | Horizontal |
| 1412.8826 | -48.34 | -13.00 | 35.34 | 245 | 307 | Horizontal |
| 2826.3653 | -48.29 | -13.00 | 35.29 | 174 | 161 | Horizontal |
| 3533.1413 | -60.14 | -13.00 | 47.14 | 155 | 164 | Horizontal |

Remark:

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



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

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

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

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



8. Frequency Stability

8.1. Frequency Vs Voltage

| Voltage | | | | | | | | | | |
|---------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | VL | NT | 3.90 | 0.005501 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | VN | NT | 5.50 | 0.007757 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | VH | NT | 2.20 | 0.003103 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | VL | NT | 1.60 | 0.002254 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | VN | NT | 2.50 | 0.003521 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | VH | NT | 2.40 | 0.003380 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | VL | NT | -0.20 | -0.000281 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | VN | NT | -0.40 | -0.000563 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | VH | NT | 2.20 | 0.003094 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | VL | NT | 2.80 | 0.003949 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | VN | NT | 1.00 | 0.001410 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | VH | NT | 1.30 | 0.001834 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | VL | NT | 0.60 | 0.000845 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | VN | NT | 1.70 | 0.002394 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | VH | NT | 3.00 | 0.004225 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | VL | NT | -0.50 | -0.000703 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | VN | NT | -1.10 | -0.001547 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | VH | NT | 0.60 | 0.000844 | ±2.5 | PASS |

8.2. Frequency Vs Temperature

| Temperature | | | | | | | | | | |
|-------------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | NV | -30 | 0.20 | 0.000282 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | NV | -20 | 1.10 | 0.001551 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | NV | -10 | 2.00 | 0.002821 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | NV | 0 | -1.10 | -0.001551 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | NV | 10 | -1.40 | -0.001975 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | NV | 20 | -0.80 | -0.001128 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | NV | 30 | 0.10 | 0.000141 | ±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-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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



| | | | | | | | | | | |
|--------|-------|-------|-------|--------|----|-----|-------|-----------|------|------|
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | NV | 40 | -0.40 | -0.000564 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | NV | 50 | -0.20 | -0.000282 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | NV | -30 | -1.50 | -0.002113 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | NV | -20 | -0.10 | -0.000141 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | NV | -10 | -0.10 | -0.000141 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | NV | 0 | -0.50 | -0.000704 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | NV | 10 | -0.60 | -0.000845 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | NV | 20 | 1.40 | 0.001972 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | NV | 30 | 0.00 | 0.000000 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | NV | 40 | 1.90 | 0.002676 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | NV | 50 | 1.10 | 0.001549 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | NV | -30 | -1.90 | -0.002672 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | NV | -20 | -0.80 | -0.001125 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | NV | -10 | 0.50 | 0.000703 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | NV | 0 | -1.40 | -0.001969 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | NV | 10 | -2.10 | -0.002954 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | NV | 20 | 1.00 | 0.001406 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | NV | 30 | -1.00 | -0.001406 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | NV | 40 | 0.80 | 0.001125 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | NV | 50 | -0.60 | -0.000844 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | NV | -30 | 2.00 | 0.002821 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | NV | -20 | 2.00 | 0.002821 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | NV | -10 | -0.20 | -0.000282 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | NV | 0 | 0.40 | 0.000564 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | NV | 10 | 1.10 | 0.001551 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | NV | 20 | -0.80 | -0.001128 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | NV | 30 | 1.50 | 0.002116 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | NV | 40 | 0.40 | 0.000564 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | NV | 50 | 0.50 | 0.000705 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | NV | -30 | 0.70 | 0.000986 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | NV | -20 | 0.70 | 0.000986 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | NV | -10 | 2.30 | 0.003239 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | NV | 0 | 3.30 | 0.004648 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | NV | 10 | 0.90 | 0.001268 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | NV | 20 | 1.00 | 0.001408 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | NV | 30 | 1.90 | 0.002676 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | NV | 40 | 4.60 | 0.006479 | ±2.5 | PASS |



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

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



| | | | | | | | | | | |
|--------|-------|-------|-------|--------|----|-----|-------|-----------|------|------|
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | NV | 50 | 1.60 | 0.002254 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | NV | -30 | 1.00 | 0.001406 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | NV | -20 | -0.20 | -0.000281 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | NV | -10 | 0.80 | 0.001125 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | NV | 0 | -0.40 | -0.000563 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | NV | 10 | -2.10 | -0.002954 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | NV | 20 | -2.00 | -0.002813 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | NV | 30 | 1.90 | 0.002672 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | NV | 40 | 0.50 | 0.000703 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | NV | 50 | -0.50 | -0.000703 | ±2.5 | PASS |

The End



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

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