



# Appendix B

## E-UTRA BAND 41



## CONTENT

|                                                   |    |
|---------------------------------------------------|----|
| 1. EFFECTIVE (ISOTROPIC) RADIATED POWER .....     | 4  |
| 1.1. Test Result .....                            | 4  |
| 2. PEAK-TO-AVERAGE RATIO(CCDF) .....              | 11 |
| 2.1. Test Result .....                            | 11 |
| 2.2. Test Plots.....                              | 11 |
| 3. MODULATION CHARACTERISTICS .....               | 15 |
| 3.1. Test BAND = LTE BAND41 .....                 | 15 |
| 3.1.1. Test Mode = LTE /TM1 20MHz .....           | 15 |
| 3.1.1.1. Test Channel = MCH.....                  | 15 |
| 3.1.2. Test Mode = LTE /TM2 20MHz .....           | 16 |
| 3.1.2.1. Test Channel = MCH.....                  | 16 |
| 3.1.1. Test Mode = LTE /TM3 20MHz .....           | 17 |
| 3.1.1.1. Test Channel = MCH.....                  | 17 |
| 4. 26dB BANDWIDTH AND OCCUPIED BANDWIDTH.....     | 18 |
| 4.1. Test Result .....                            | 18 |
| 4.2. Test Plots.....                              | 19 |
| 5. BAND EDGE COMPLIANCE .....                     | 32 |
| 5.1. Test Plots.....                              | 32 |
| 6. SPURIOUS EMISSION AT ANTENNA TERMINAL .....    | 49 |
| 6.1. Test Plots.....                              | 49 |
| 7. FIELD STRENGTH OF SPURIOUS RADIATION .....     | 56 |
| 7.1. Test BAND = LTE BAND 41-Main Antenna .....   | 56 |
| 7.1.1. Test Mode =LTE/TM1 20MHz .....             | 56 |
| 7.1.1.1. Test Channel = LCH_H.....                | 56 |
| 7.1.1.2. Test Channel = LCH_V .....               | 57 |
| 7.1.1.3. Test Channel = MCH_H.....                | 58 |
| 7.1.1.4. Test Channel = MCH_V .....               | 59 |
| 7.1.1.5. Test Channel = HCH_H .....               | 60 |
| 7.1.1.6. Test Channel = HCH_V .....               | 61 |
| 7.2. Test BAND = LTE BAND 41-Second Antenna ..... | 62 |
| 7.2.1. Test Mode =LTE/TM1 20MHz .....             | 62 |
| 7.2.1.1. Test Channel = LCH_H.....                | 62 |
| 7.2.1.2. Test Channel = LCH_V .....               | 63 |
| 7.2.1.3. Test Channel = MCH_H.....                | 64 |



|          |                                |    |
|----------|--------------------------------|----|
| 7.2.1.4. | Test Channel = MCH_V .....     | 65 |
| 7.2.1.5. | Test Channel = HCH_H .....     | 66 |
| 7.2.1.6. | Test Channel = HCH_V .....     | 67 |
| 8.       | FREQUENCY STABILITY .....      | 68 |
| 8.1.     | Frequency Vs Voltage .....     | 68 |
| 8.2.     | Frequency Vs Temperature ..... | 68 |



## 1. Effective (Isotropic) Radiated Power

### 1.1. Test Result

| BAND   | Bandwidth | Modulation | Channel | RB Configuration | Result (dBm) | EIRP (dBm) | Limit (dBm) | Verdict |
|--------|-----------|------------|---------|------------------|--------------|------------|-------------|---------|
| BAND41 | 5MHz      | QPSK       | 39675   | 1RB#0            | 23.49        | 24.38      | 33.00       | PASS    |
| BAND41 | 5MHz      | QPSK       | 39675   | 1RB#12           | 23.33        | 24.22      | 33.00       | PASS    |
| BAND41 | 5MHz      | QPSK       | 39675   | 1RB#24           | 23.45        | 24.34      | 33.00       | PASS    |
| BAND41 | 5MHz      | QPSK       | 39675   | 12RB#0           | 22.42        | 23.31      | 33.00       | PASS    |
| BAND41 | 5MHz      | QPSK       | 39675   | 12RB#6           | 22.21        | 23.10      | 33.00       | PASS    |
| BAND41 | 5MHz      | QPSK       | 39675   | 12RB#13          | 22.41        | 23.30      | 33.00       | PASS    |
| BAND41 | 5MHz      | QPSK       | 39675   | 25RB#0           | 22.39        | 23.28      | 33.00       | PASS    |
| BAND41 | 5MHz      | QPSK       | 40620   | 1RB#0            | 23.50        | 24.39      | 33.00       | PASS    |
| BAND41 | 5MHz      | QPSK       | 40620   | 1RB#12           | 23.45        | 24.34      | 33.00       | PASS    |
| BAND41 | 5MHz      | QPSK       | 40620   | 1RB#24           | 23.67        | 24.56      | 33.00       | PASS    |
| BAND41 | 5MHz      | QPSK       | 40620   | 12RB#0           | 22.47        | 23.36      | 33.00       | PASS    |
| BAND41 | 5MHz      | QPSK       | 40620   | 12RB#6           | 22.32        | 23.21      | 33.00       | PASS    |
| BAND41 | 5MHz      | QPSK       | 40620   | 12RB#13          | 22.71        | 23.60      | 33.00       | PASS    |
| BAND41 | 5MHz      | QPSK       | 40620   | 25RB#0           | 22.75        | 23.64      | 33.00       | PASS    |
| BAND41 | 5MHz      | QPSK       | 41565   | 1RB#0            | 23.38        | 24.27      | 33.00       | PASS    |
| BAND41 | 5MHz      | QPSK       | 41565   | 1RB#12           | 23.37        | 24.26      | 33.00       | PASS    |
| BAND41 | 5MHz      | QPSK       | 41565   | 1RB#24           | 23.53        | 24.42      | 33.00       | PASS    |
| BAND41 | 5MHz      | QPSK       | 41565   | 12RB#0           | 22.45        | 23.34      | 33.00       | PASS    |
| BAND41 | 5MHz      | QPSK       | 41565   | 12RB#6           | 22.21        | 23.10      | 33.00       | PASS    |
| BAND41 | 5MHz      | QPSK       | 41565   | 12RB#13          | 22.38        | 23.27      | 33.00       | PASS    |
| BAND41 | 5MHz      | QPSK       | 41565   | 25RB#0           | 22.43        | 23.32      | 33.00       | PASS    |
| BAND41 | 5MHz      | 64QAM      | 39675   | 1RB#0            | 22.53        | 23.42      | 33.00       | PASS    |
| BAND41 | 5MHz      | 64QAM      | 39675   | 1RB#12           | 22.25        | 23.14      | 33.00       | PASS    |
| BAND41 | 5MHz      | 64QAM      | 39675   | 1RB#24           | 22.41        | 23.30      | 33.00       | PASS    |
| BAND41 | 5MHz      | 64QAM      | 39675   | 12RB#0           | 21.35        | 22.24      | 33.00       | PASS    |
| BAND41 | 5MHz      | 64QAM      | 39675   | 12RB#6           | 21.51        | 22.40      | 33.00       | PASS    |
| BAND41 | 5MHz      | 64QAM      | 39675   | 12RB#13          | 21.34        | 22.23      | 33.00       | PASS    |
| BAND41 | 5MHz      | 64QAM      | 39675   | 25RB#0           | 21.34        | 22.23      | 33.00       | PASS    |
| BAND41 | 5MHz      | 64QAM      | 40620   | 1RB#0            | 21.67        | 22.56      | 33.00       | PASS    |
| BAND41 | 5MHz      | 64QAM      | 40620   | 1RB#12           | 21.75        | 22.64      | 33.00       | PASS    |
| BAND41 | 5MHz      | 64QAM      | 40620   | 1RB#24           | 21.79        | 22.68      | 33.00       | PASS    |
| BAND41 | 5MHz      | 64QAM      | 40620   | 12RB#0           | 20.42        | 21.31      | 33.00       | PASS    |
| BAND41 | 5MHz      | 64QAM      | 40620   | 12RB#6           | 20.36        | 21.25      | 33.00       | PASS    |
| BAND41 | 5MHz      | 64QAM      | 40620   | 12RB#13          | 20.60        | 21.49      | 33.00       | PASS    |



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

Report No.: SZEM180700654901

Page: 5 of 69

|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| BAND41 | 5MHz  | 64QAM | 40620 | 25RB#0  | 20.35 | 21.24 | 33.00 | PASS |
| BAND41 | 5MHz  | 64QAM | 41565 | 1RB#0   | 21.70 | 22.59 | 33.00 | PASS |
| BAND41 | 5MHz  | 64QAM | 41565 | 1RB#12  | 22.03 | 22.92 | 33.00 | PASS |
| BAND41 | 5MHz  | 64QAM | 41565 | 1RB#24  | 21.66 | 22.55 | 33.00 | PASS |
| BAND41 | 5MHz  | 64QAM | 41565 | 12RB#0  | 20.46 | 21.35 | 33.00 | PASS |
| BAND41 | 5MHz  | 64QAM | 41565 | 12RB#6  | 20.23 | 21.12 | 33.00 | PASS |
| BAND41 | 5MHz  | 64QAM | 41565 | 12RB#13 | 20.33 | 21.22 | 33.00 | PASS |
| BAND41 | 5MHz  | 64QAM | 41565 | 25RB#0  | 20.38 | 21.27 | 33.00 | PASS |
| BAND41 | 5MHz  | 16QAM | 39675 | 1RB#0   | 22.55 | 23.44 | 33.00 | PASS |
| BAND41 | 5MHz  | 16QAM | 39675 | 1RB#12  | 22.30 | 23.19 | 33.00 | PASS |
| BAND41 | 5MHz  | 16QAM | 39675 | 1RB#24  | 22.50 | 23.39 | 33.00 | PASS |
| BAND41 | 5MHz  | 16QAM | 39675 | 12RB#0  | 21.42 | 22.31 | 33.00 | PASS |
| BAND41 | 5MHz  | 16QAM | 39675 | 12RB#6  | 21.32 | 22.21 | 33.00 | PASS |
| BAND41 | 5MHz  | 16QAM | 39675 | 12RB#13 | 21.43 | 22.32 | 33.00 | PASS |
| BAND41 | 5MHz  | 16QAM | 39675 | 25RB#0  | 21.28 | 22.17 | 33.00 | PASS |
| BAND41 | 5MHz  | 16QAM | 40620 | 1RB#0   | 22.63 | 23.52 | 33.00 | PASS |
| BAND41 | 5MHz  | 16QAM | 40620 | 1RB#12  | 22.49 | 23.38 | 33.00 | PASS |
| BAND41 | 5MHz  | 16QAM | 40620 | 1RB#24  | 22.77 | 23.66 | 33.00 | PASS |
| BAND41 | 5MHz  | 16QAM | 40620 | 12RB#0  | 21.52 | 22.41 | 33.00 | PASS |
| BAND41 | 5MHz  | 16QAM | 40620 | 12RB#6  | 21.50 | 22.39 | 33.00 | PASS |
| BAND41 | 5MHz  | 16QAM | 40620 | 12RB#13 | 21.70 | 22.59 | 33.00 | PASS |
| BAND41 | 5MHz  | 16QAM | 40620 | 25RB#0  | 21.41 | 22.30 | 33.00 | PASS |
| BAND41 | 5MHz  | 16QAM | 41565 | 1RB#0   | 22.75 | 23.64 | 33.00 | PASS |
| BAND41 | 5MHz  | 16QAM | 41565 | 1RB#12  | 22.43 | 23.32 | 33.00 | PASS |
| BAND41 | 5MHz  | 16QAM | 41565 | 1RB#24  | 22.66 | 23.55 | 33.00 | PASS |
| BAND41 | 5MHz  | 16QAM | 41565 | 12RB#0  | 21.51 | 22.40 | 33.00 | PASS |
| BAND41 | 5MHz  | 16QAM | 41565 | 12RB#6  | 21.42 | 22.31 | 33.00 | PASS |
| BAND41 | 5MHz  | 16QAM | 41565 | 12RB#13 | 21.39 | 22.28 | 33.00 | PASS |
| BAND41 | 5MHz  | 16QAM | 41565 | 25RB#0  | 21.42 | 22.31 | 33.00 | PASS |
| BAND41 | 10MHz | QPSK  | 39700 | 1RB#0   | 23.48 | 24.37 | 33.00 | PASS |
| BAND41 | 10MHz | QPSK  | 39700 | 1RB#24  | 23.04 | 23.93 | 33.00 | PASS |
| BAND41 | 10MHz | QPSK  | 39700 | 1RB#49  | 23.57 | 24.46 | 33.00 | PASS |
| BAND41 | 10MHz | QPSK  | 39700 | 25RB#0  | 22.36 | 23.25 | 33.00 | PASS |
| BAND41 | 10MHz | QPSK  | 39700 | 25RB#12 | 22.33 | 23.22 | 33.00 | PASS |
| BAND41 | 10MHz | QPSK  | 39700 | 25RB#25 | 22.48 | 23.37 | 33.00 | PASS |
| BAND41 | 10MHz | QPSK  | 39700 | 50RB#0  | 22.61 | 23.50 | 33.00 | PASS |
| BAND41 | 10MHz | QPSK  | 40620 | 1RB#0   | 23.57 | 24.46 | 33.00 | PASS |
| BAND41 | 10MHz | QPSK  | 40620 | 1RB#24  | 23.14 | 24.03 | 33.00 | PASS |
| BAND41 | 10MHz | QPSK  | 40620 | 1RB#49  | 23.66 | 24.55 | 33.00 | PASS |
| BAND41 | 10MHz | QPSK  | 40620 | 25RB#0  | 22.48 | 23.37 | 33.00 | PASS |
| BAND41 | 10MHz | QPSK  | 40620 | 25RB#12 | 22.48 | 23.37 | 33.00 | PASS |

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.



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

Report No.: SZEM180700654901

Page: 6 of 69

|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| BAND41 | 10MHz | QPSK  | 40620 | 25RB#25 | 22.40 | 23.29 | 33.00 | PASS |
| BAND41 | 10MHz | QPSK  | 40620 | 50RB#0  | 22.71 | 23.60 | 33.00 | PASS |
| BAND41 | 10MHz | QPSK  | 41540 | 1RB#0   | 23.40 | 24.29 | 33.00 | PASS |
| BAND41 | 10MHz | QPSK  | 41540 | 1RB#24  | 22.97 | 23.86 | 33.00 | PASS |
| BAND41 | 10MHz | QPSK  | 41540 | 1RB#49  | 23.35 | 24.24 | 33.00 | PASS |
| BAND41 | 10MHz | QPSK  | 41540 | 25RB#0  | 22.48 | 23.37 | 33.00 | PASS |
| BAND41 | 10MHz | QPSK  | 41540 | 25RB#12 | 22.51 | 23.40 | 33.00 | PASS |
| BAND41 | 10MHz | QPSK  | 41540 | 25RB#25 | 22.29 | 23.18 | 33.00 | PASS |
| BAND41 | 10MHz | QPSK  | 41540 | 50RB#0  | 22.40 | 23.29 | 33.00 | PASS |
| BAND41 | 10MHz | 64QAM | 39700 | 1RB#0   | 22.62 | 23.51 | 33.00 | PASS |
| BAND41 | 10MHz | 64QAM | 39700 | 1RB#24  | 22.42 | 23.31 | 33.00 | PASS |
| BAND41 | 10MHz | 64QAM | 39700 | 1RB#49  | 22.53 | 23.42 | 33.00 | PASS |
| BAND41 | 10MHz | 64QAM | 39700 | 25RB#0  | 21.38 | 22.27 | 33.00 | PASS |
| BAND41 | 10MHz | 64QAM | 39700 | 25RB#12 | 21.27 | 22.16 | 33.00 | PASS |
| BAND41 | 10MHz | 64QAM | 39700 | 25RB#25 | 21.47 | 22.36 | 33.00 | PASS |
| BAND41 | 10MHz | 64QAM | 39700 | 50RB#0  | 21.48 | 22.37 | 33.00 | PASS |
| BAND41 | 10MHz | 64QAM | 40620 | 1RB#0   | 21.68 | 22.57 | 33.00 | PASS |
| BAND41 | 10MHz | 64QAM | 40620 | 1RB#24  | 21.32 | 22.21 | 33.00 | PASS |
| BAND41 | 10MHz | 64QAM | 40620 | 1RB#49  | 21.84 | 22.73 | 33.00 | PASS |
| BAND41 | 10MHz | 64QAM | 40620 | 25RB#0  | 20.39 | 21.28 | 33.00 | PASS |
| BAND41 | 10MHz | 64QAM | 40620 | 25RB#12 | 20.39 | 21.28 | 33.00 | PASS |
| BAND41 | 10MHz | 64QAM | 40620 | 25RB#25 | 20.35 | 21.24 | 33.00 | PASS |
| BAND41 | 10MHz | 64QAM | 40620 | 50RB#0  | 20.57 | 21.46 | 33.00 | PASS |
| BAND41 | 10MHz | 64QAM | 41540 | 1RB#0   | 21.65 | 22.54 | 33.00 | PASS |
| BAND41 | 10MHz | 64QAM | 41540 | 1RB#24  | 21.18 | 22.07 | 33.00 | PASS |
| BAND41 | 10MHz | 64QAM | 41540 | 1RB#49  | 21.63 | 22.52 | 33.00 | PASS |
| BAND41 | 10MHz | 64QAM | 41540 | 25RB#0  | 20.42 | 21.31 | 33.00 | PASS |
| BAND41 | 10MHz | 64QAM | 41540 | 25RB#12 | 20.33 | 21.22 | 33.00 | PASS |
| BAND41 | 10MHz | 64QAM | 41540 | 25RB#25 | 20.30 | 21.19 | 33.00 | PASS |
| BAND41 | 10MHz | 64QAM | 41540 | 50RB#0  | 20.33 | 21.22 | 33.00 | PASS |
| BAND41 | 10MHz | 16QAM | 39700 | 1RB#0   | 22.55 | 23.44 | 33.00 | PASS |
| BAND41 | 10MHz | 16QAM | 39700 | 1RB#24  | 22.34 | 23.23 | 33.00 | PASS |
| BAND41 | 10MHz | 16QAM | 39700 | 1RB#49  | 22.65 | 23.54 | 33.00 | PASS |
| BAND41 | 10MHz | 16QAM | 39700 | 25RB#0  | 21.30 | 22.19 | 33.00 | PASS |
| BAND41 | 10MHz | 16QAM | 39700 | 25RB#12 | 21.26 | 22.15 | 33.00 | PASS |
| BAND41 | 10MHz | 16QAM | 39700 | 25RB#25 | 21.45 | 22.34 | 33.00 | PASS |
| BAND41 | 10MHz | 16QAM | 39700 | 50RB#0  | 21.48 | 22.37 | 33.00 | PASS |
| BAND41 | 10MHz | 16QAM | 40620 | 1RB#0   | 22.64 | 23.53 | 33.00 | PASS |
| BAND41 | 10MHz | 16QAM | 40620 | 1RB#24  | 22.49 | 23.38 | 33.00 | PASS |
| BAND41 | 10MHz | 16QAM | 40620 | 1RB#49  | 22.78 | 23.67 | 33.00 | PASS |
| BAND41 | 10MHz | 16QAM | 40620 | 25RB#0  | 21.45 | 22.34 | 33.00 | PASS |

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.



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

Report No.: SZEM180700654901

Page: 7 of 69

|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| BAND41 | 10MHz | 16QAM | 40620 | 25RB#12 | 21.41 | 22.30 | 33.00 | PASS |
| BAND41 | 10MHz | 16QAM | 40620 | 25RB#25 | 21.38 | 22.27 | 33.00 | PASS |
| BAND41 | 10MHz | 16QAM | 40620 | 50RB#0  | 21.62 | 22.51 | 33.00 | PASS |
| BAND41 | 10MHz | 16QAM | 41540 | 1RB#0   | 22.57 | 23.46 | 33.00 | PASS |
| BAND41 | 10MHz | 16QAM | 41540 | 1RB#24  | 22.44 | 23.33 | 33.00 | PASS |
| BAND41 | 10MHz | 16QAM | 41540 | 1RB#49  | 22.58 | 23.47 | 33.00 | PASS |
| BAND41 | 10MHz | 16QAM | 41540 | 25RB#0  | 21.43 | 22.32 | 33.00 | PASS |
| BAND41 | 10MHz | 16QAM | 41540 | 25RB#12 | 21.29 | 22.18 | 33.00 | PASS |
| BAND41 | 10MHz | 16QAM | 41540 | 25RB#25 | 21.26 | 22.15 | 33.00 | PASS |
| BAND41 | 10MHz | 16QAM | 41540 | 50RB#0  | 21.34 | 22.23 | 33.00 | PASS |
| BAND41 | 15MHz | QPSK  | 39725 | 1RB#0   | 23.32 | 24.21 | 33.00 | PASS |
| BAND41 | 15MHz | QPSK  | 39725 | 1RB#38  | 23.66 | 24.55 | 33.00 | PASS |
| BAND41 | 15MHz | QPSK  | 39725 | 1RB#74  | 23.53 | 24.42 | 33.00 | PASS |
| BAND41 | 15MHz | QPSK  | 39725 | 36RB#0  | 22.43 | 23.32 | 33.00 | PASS |
| BAND41 | 15MHz | QPSK  | 39725 | 36RB#18 | 22.57 | 23.46 | 33.00 | PASS |
| BAND41 | 15MHz | QPSK  | 39725 | 36RB#39 | 22.51 | 23.40 | 33.00 | PASS |
| BAND41 | 15MHz | QPSK  | 39725 | 75RB#0  | 22.59 | 23.48 | 33.00 | PASS |
| BAND41 | 15MHz | QPSK  | 40620 | 1RB#0   | 23.47 | 24.36 | 33.00 | PASS |
| BAND41 | 15MHz | QPSK  | 40620 | 1RB#38  | 23.54 | 24.43 | 33.00 | PASS |
| BAND41 | 15MHz | QPSK  | 40620 | 1RB#74  | 23.42 | 24.31 | 33.00 | PASS |
| BAND41 | 15MHz | QPSK  | 40620 | 36RB#0  | 22.48 | 23.37 | 33.00 | PASS |
| BAND41 | 15MHz | QPSK  | 40620 | 36RB#18 | 22.46 | 23.35 | 33.00 | PASS |
| BAND41 | 15MHz | QPSK  | 40620 | 36RB#39 | 22.49 | 23.38 | 33.00 | PASS |
| BAND41 | 15MHz | QPSK  | 40620 | 75RB#0  | 22.50 | 23.39 | 33.00 | PASS |
| BAND41 | 15MHz | QPSK  | 41515 | 1RB#0   | 23.44 | 24.33 | 33.00 | PASS |
| BAND41 | 15MHz | QPSK  | 41515 | 1RB#38  | 23.52 | 24.41 | 33.00 | PASS |
| BAND41 | 15MHz | QPSK  | 41515 | 1RB#74  | 23.42 | 24.31 | 33.00 | PASS |
| BAND41 | 15MHz | QPSK  | 41515 | 36RB#0  | 22.37 | 23.26 | 33.00 | PASS |
| BAND41 | 15MHz | QPSK  | 41515 | 36RB#18 | 22.41 | 23.30 | 33.00 | PASS |
| BAND41 | 15MHz | QPSK  | 41515 | 36RB#39 | 22.48 | 23.37 | 33.00 | PASS |
| BAND41 | 15MHz | QPSK  | 41515 | 75RB#0  | 22.37 | 23.26 | 33.00 | PASS |
| BAND41 | 15MHz | 64QAM | 39725 | 1RB#0   | 22.46 | 23.35 | 33.00 | PASS |
| BAND41 | 15MHz | 64QAM | 39725 | 1RB#38  | 22.67 | 23.56 | 33.00 | PASS |
| BAND41 | 15MHz | 64QAM | 39725 | 1RB#74  | 22.53 | 23.42 | 33.00 | PASS |
| BAND41 | 15MHz | 64QAM | 39725 | 36RB#0  | 21.35 | 22.24 | 33.00 | PASS |
| BAND41 | 15MHz | 64QAM | 39725 | 36RB#18 | 21.49 | 22.38 | 33.00 | PASS |
| BAND41 | 15MHz | 64QAM | 39725 | 36RB#39 | 21.50 | 22.39 | 33.00 | PASS |
| BAND41 | 15MHz | 64QAM | 39725 | 75RB#0  | 21.49 | 22.38 | 33.00 | PASS |
| BAND41 | 15MHz | 64QAM | 40620 | 1RB#0   | 21.61 | 22.50 | 33.00 | PASS |
| BAND41 | 15MHz | 64QAM | 40620 | 1RB#38  | 21.67 | 22.56 | 33.00 | PASS |
| BAND41 | 15MHz | 64QAM | 40620 | 1RB#74  | 21.57 | 22.46 | 33.00 | PASS |

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.



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

Report No.: SZEM180700654901

Page: 8 of 69

|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| BAND41 | 15MHz | 64QAM | 40620 | 36RB#0  | 20.45 | 21.34 | 33.00 | PASS |
| BAND41 | 15MHz | 64QAM | 40620 | 36RB#18 | 20.39 | 21.28 | 33.00 | PASS |
| BAND41 | 15MHz | 64QAM | 40620 | 36RB#39 | 20.42 | 21.31 | 33.00 | PASS |
| BAND41 | 15MHz | 64QAM | 40620 | 75RB#0  | 20.41 | 21.30 | 33.00 | PASS |
| BAND41 | 15MHz | 64QAM | 41515 | 1RB#0   | 21.64 | 22.53 | 33.00 | PASS |
| BAND41 | 15MHz | 64QAM | 41515 | 1RB#38  | 21.69 | 22.58 | 33.00 | PASS |
| BAND41 | 15MHz | 64QAM | 41515 | 1RB#74  | 21.60 | 22.49 | 33.00 | PASS |
| BAND41 | 15MHz | 64QAM | 41515 | 36RB#0  | 20.33 | 21.22 | 33.00 | PASS |
| BAND41 | 15MHz | 64QAM | 41515 | 36RB#18 | 20.33 | 21.22 | 33.00 | PASS |
| BAND41 | 15MHz | 64QAM | 41515 | 36RB#39 | 20.39 | 21.28 | 33.00 | PASS |
| BAND41 | 15MHz | 64QAM | 41515 | 75RB#0  | 20.32 | 21.21 | 33.00 | PASS |
| BAND41 | 15MHz | 16QAM | 39725 | 1RB#0   | 22.42 | 23.31 | 33.00 | PASS |
| BAND41 | 15MHz | 16QAM | 39725 | 1RB#38  | 22.75 | 23.64 | 33.00 | PASS |
| BAND41 | 15MHz | 16QAM | 39725 | 1RB#74  | 22.59 | 23.48 | 33.00 | PASS |
| BAND41 | 15MHz | 16QAM | 39725 | 36RB#0  | 21.28 | 22.17 | 33.00 | PASS |
| BAND41 | 15MHz | 16QAM | 39725 | 36RB#18 | 21.46 | 22.35 | 33.00 | PASS |
| BAND41 | 15MHz | 16QAM | 39725 | 36RB#39 | 21.44 | 22.33 | 33.00 | PASS |
| BAND41 | 15MHz | 16QAM | 39725 | 75RB#0  | 21.53 | 22.42 | 33.00 | PASS |
| BAND41 | 15MHz | 16QAM | 40620 | 1RB#0   | 22.51 | 23.40 | 33.00 | PASS |
| BAND41 | 15MHz | 16QAM | 40620 | 1RB#38  | 22.60 | 23.49 | 33.00 | PASS |
| BAND41 | 15MHz | 16QAM | 40620 | 1RB#74  | 22.50 | 23.39 | 33.00 | PASS |
| BAND41 | 15MHz | 16QAM | 40620 | 36RB#0  | 21.42 | 22.31 | 33.00 | PASS |
| BAND41 | 15MHz | 16QAM | 40620 | 36RB#18 | 21.36 | 22.25 | 33.00 | PASS |
| BAND41 | 15MHz | 16QAM | 40620 | 36RB#39 | 21.38 | 22.27 | 33.00 | PASS |
| BAND41 | 15MHz | 16QAM | 40620 | 75RB#0  | 21.44 | 22.33 | 33.00 | PASS |
| BAND41 | 15MHz | 16QAM | 41515 | 1RB#0   | 22.58 | 23.47 | 33.00 | PASS |
| BAND41 | 15MHz | 16QAM | 41515 | 1RB#38  | 22.68 | 23.57 | 33.00 | PASS |
| BAND41 | 15MHz | 16QAM | 41515 | 1RB#74  | 22.57 | 23.46 | 33.00 | PASS |
| BAND41 | 15MHz | 16QAM | 41515 | 36RB#0  | 21.31 | 22.20 | 33.00 | PASS |
| BAND41 | 15MHz | 16QAM | 41515 | 36RB#18 | 21.30 | 22.19 | 33.00 | PASS |
| BAND41 | 15MHz | 16QAM | 41515 | 36RB#39 | 21.36 | 22.25 | 33.00 | PASS |
| BAND41 | 15MHz | 16QAM | 41515 | 75RB#0  | 21.35 | 22.24 | 33.00 | PASS |
| BAND41 | 20MHz | QPSK  | 39750 | 1RB#0   | 23.17 | 24.06 | 33.00 | PASS |
| BAND41 | 20MHz | QPSK  | 39750 | 1RB#49  | 23.03 | 23.92 | 33.00 | PASS |
| BAND41 | 20MHz | QPSK  | 39750 | 1RB#99  | 23.69 | 24.58 | 33.00 | PASS |
| BAND41 | 20MHz | QPSK  | 39750 | 50RB#0  | 22.39 | 23.28 | 33.00 | PASS |
| BAND41 | 20MHz | QPSK  | 39750 | 50RB#25 | 22.55 | 23.44 | 33.00 | PASS |
| BAND41 | 20MHz | QPSK  | 39750 | 50RB#50 | 22.56 | 23.45 | 33.00 | PASS |
| BAND41 | 20MHz | QPSK  | 39750 | 100RB#0 | 22.41 | 23.30 | 33.00 | PASS |
| BAND41 | 20MHz | QPSK  | 40620 | 1RB#0   | 23.31 | 24.20 | 33.00 | PASS |
| BAND41 | 20MHz | QPSK  | 40620 | 1RB#49  | 23.10 | 23.99 | 33.00 | PASS |

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.



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

Report No.: SZEM180700654901

Page: 9 of 69

|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| BAND41 | 20MHz | QPSK  | 40620 | 1RB#99  | 23.60 | 24.49 | 33.00 | PASS |
| BAND41 | 20MHz | QPSK  | 40620 | 50RB#0  | 22.50 | 23.39 | 33.00 | PASS |
| BAND41 | 20MHz | QPSK  | 40620 | 50RB#25 | 22.73 | 23.62 | 33.00 | PASS |
| BAND41 | 20MHz | QPSK  | 40620 | 50RB#50 | 22.47 | 23.36 | 33.00 | PASS |
| BAND41 | 20MHz | QPSK  | 40620 | 100RB#0 | 22.50 | 23.39 | 33.00 | PASS |
| BAND41 | 20MHz | QPSK  | 41490 | 1RB#0   | 23.23 | 24.12 | 33.00 | PASS |
| BAND41 | 20MHz | QPSK  | 41490 | 1RB#49  | 22.90 | 23.79 | 33.00 | PASS |
| BAND41 | 20MHz | QPSK  | 41490 | 1RB#99  | 23.48 | 24.37 | 33.00 | PASS |
| BAND41 | 20MHz | QPSK  | 41490 | 50RB#0  | 22.49 | 23.38 | 33.00 | PASS |
| BAND41 | 20MHz | QPSK  | 41490 | 50RB#25 | 22.34 | 23.23 | 33.00 | PASS |
| BAND41 | 20MHz | QPSK  | 41490 | 50RB#50 | 22.42 | 23.31 | 33.00 | PASS |
| BAND41 | 20MHz | QPSK  | 41490 | 100RB#0 | 22.48 | 23.37 | 33.00 | PASS |
| BAND41 | 20MHz | 64QAM | 39750 | 1RB#0   | 22.22 | 23.11 | 33.00 | PASS |
| BAND41 | 20MHz | 64QAM | 39750 | 1RB#49  | 22.46 | 23.35 | 33.00 | PASS |
| BAND41 | 20MHz | 64QAM | 39750 | 1RB#99  | 22.63 | 23.52 | 33.00 | PASS |
| BAND41 | 20MHz | 64QAM | 39750 | 50RB#0  | 21.28 | 22.17 | 33.00 | PASS |
| BAND41 | 20MHz | 64QAM | 39750 | 50RB#25 | 21.46 | 22.35 | 33.00 | PASS |
| BAND41 | 20MHz | 64QAM | 39750 | 50RB#50 | 21.44 | 22.33 | 33.00 | PASS |
| BAND41 | 20MHz | 64QAM | 39750 | 100RB#0 | 21.32 | 22.21 | 33.00 | PASS |
| BAND41 | 20MHz | 64QAM | 40620 | 1RB#0   | 21.41 | 22.30 | 33.00 | PASS |
| BAND41 | 20MHz | 64QAM | 40620 | 1RB#49  | 21.28 | 22.17 | 33.00 | PASS |
| BAND41 | 20MHz | 64QAM | 40620 | 1RB#99  | 21.74 | 22.63 | 33.00 | PASS |
| BAND41 | 20MHz | 64QAM | 40620 | 50RB#0  | 20.43 | 21.32 | 33.00 | PASS |
| BAND41 | 20MHz | 64QAM | 40620 | 50RB#25 | 20.57 | 21.46 | 33.00 | PASS |
| BAND41 | 20MHz | 64QAM | 40620 | 50RB#50 | 20.40 | 21.29 | 33.00 | PASS |
| BAND41 | 20MHz | 64QAM | 40620 | 100RB#0 | 20.45 | 21.34 | 33.00 | PASS |
| BAND41 | 20MHz | 64QAM | 41490 | 1RB#0   | 21.44 | 22.33 | 33.00 | PASS |
| BAND41 | 20MHz | 64QAM | 41490 | 1RB#49  | 21.12 | 22.01 | 33.00 | PASS |
| BAND41 | 20MHz | 64QAM | 41490 | 1RB#99  | 21.69 | 22.58 | 33.00 | PASS |
| BAND41 | 20MHz | 64QAM | 41490 | 50RB#0  | 20.45 | 21.34 | 33.00 | PASS |
| BAND41 | 20MHz | 64QAM | 41490 | 50RB#25 | 20.24 | 21.13 | 33.00 | PASS |
| BAND41 | 20MHz | 64QAM | 41490 | 50RB#50 | 20.24 | 21.13 | 33.00 | PASS |
| BAND41 | 20MHz | 64QAM | 41490 | 100RB#0 | 20.45 | 21.34 | 33.00 | PASS |
| BAND41 | 20MHz | 16QAM | 39750 | 1RB#0   | 22.24 | 23.13 | 33.00 | PASS |
| BAND41 | 20MHz | 16QAM | 39750 | 1RB#49  | 22.35 | 23.24 | 33.00 | PASS |
| BAND41 | 20MHz | 16QAM | 39750 | 1RB#99  | 22.74 | 23.63 | 33.00 | PASS |
| BAND41 | 20MHz | 16QAM | 39750 | 50RB#0  | 21.26 | 22.15 | 33.00 | PASS |
| BAND41 | 20MHz | 16QAM | 39750 | 50RB#25 | 21.46 | 22.35 | 33.00 | PASS |
| BAND41 | 20MHz | 16QAM | 39750 | 50RB#50 | 21.47 | 22.36 | 33.00 | PASS |
| BAND41 | 20MHz | 16QAM | 39750 | 100RB#0 | 21.37 | 22.26 | 33.00 | PASS |
| BAND41 | 20MHz | 16QAM | 40620 | 1RB#0   | 22.38 | 23.27 | 33.00 | PASS |

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.



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

Report No.: SZEM180700654901

Page: 10 of 69

|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| BAND41 | 20MHz | 16QAM | 40620 | 1RB#49  | 22.47 | 23.36 | 33.00 | PASS |
| BAND41 | 20MHz | 16QAM | 40620 | 1RB#99  | 22.68 | 23.57 | 33.00 | PASS |
| BAND41 | 20MHz | 16QAM | 40620 | 50RB#0  | 21.42 | 22.31 | 33.00 | PASS |
| BAND41 | 20MHz | 16QAM | 40620 | 50RB#25 | 21.60 | 22.49 | 33.00 | PASS |
| BAND41 | 20MHz | 16QAM | 40620 | 50RB#50 | 21.40 | 22.29 | 33.00 | PASS |
| BAND41 | 20MHz | 16QAM | 40620 | 100RB#0 | 21.46 | 22.35 | 33.00 | PASS |
| BAND41 | 20MHz | 16QAM | 41490 | 1RB#0   | 22.30 | 23.19 | 33.00 | PASS |
| BAND41 | 20MHz | 16QAM | 41490 | 1RB#49  | 22.34 | 23.23 | 33.00 | PASS |
| BAND41 | 20MHz | 16QAM | 41490 | 1RB#99  | 22.70 | 23.59 | 33.00 | PASS |
| BAND41 | 20MHz | 16QAM | 41490 | 50RB#0  | 21.45 | 22.34 | 33.00 | PASS |
| BAND41 | 20MHz | 16QAM | 41490 | 50RB#25 | 21.27 | 22.16 | 33.00 | PASS |
| BAND41 | 20MHz | 16QAM | 41490 | 50RB#50 | 21.26 | 22.15 | 33.00 | PASS |
| BAND41 | 20MHz | 16QAM | 41490 | 100RB#0 | 21.46 | 22.35 | 33.00 | PASS |

Note:

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

$$\text{ERP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBd]}$$

$$\text{EIRP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBi]}$$

b: SGP=Signal Generator Level

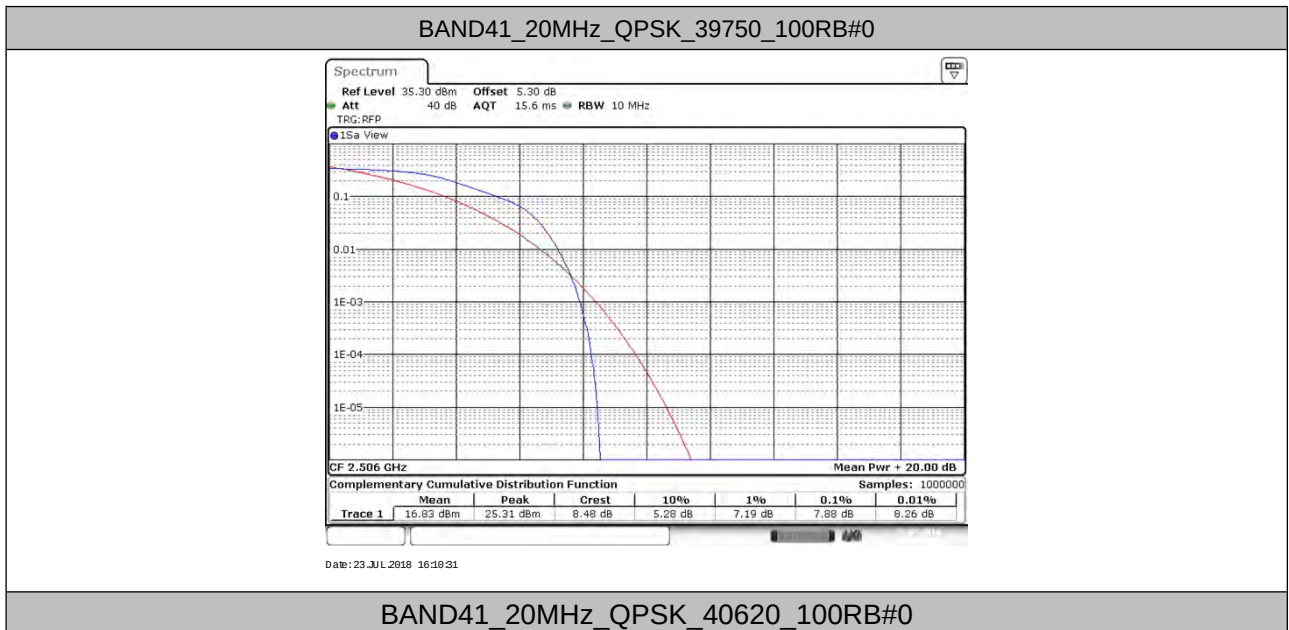


## 2. Peak-to-Average Ratio(CCDF)

### 2.1. Test Result

| BAND   | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|--------|-----------|------------|---------|------------------|------------|-----------|---------|
| BAND41 | 20MHz     | QPSK       | 39750   | 100RB#0          | 7.88       | 13        | PASS    |
| BAND41 | 20MHz     | QPSK       | 40620   | 100RB#0          | 7.77       | 13        | PASS    |
| BAND41 | 20MHz     | QPSK       | 41490   | 100RB#0          | 7.80       | 13        | PASS    |
| BAND41 | 20MHz     | 64QAM      | 39750   | 100RB#0          | 9.51       | 13        | PASS    |
| BAND41 | 20MHz     | 64QAM      | 40620   | 100RB#0          | 9.74       | 13        | PASS    |
| BAND41 | 20MHz     | 64QAM      | 41490   | 100RB#0          | 9.83       | 13        | PASS    |
| BAND41 | 20MHz     | 16QAM      | 39750   | 100RB#0          | 9.45       | 13        | PASS    |
| BAND41 | 20MHz     | 16QAM      | 40620   | 100RB#0          | 9.42       | 13        | PASS    |
| BAND41 | 20MHz     | 16QAM      | 41490   | 100RB#0          | 9.45       | 13        | PASS    |

### 2.2. Test Plots

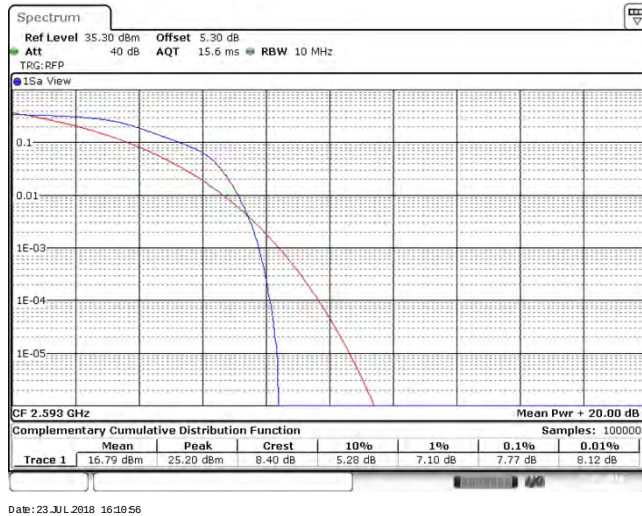




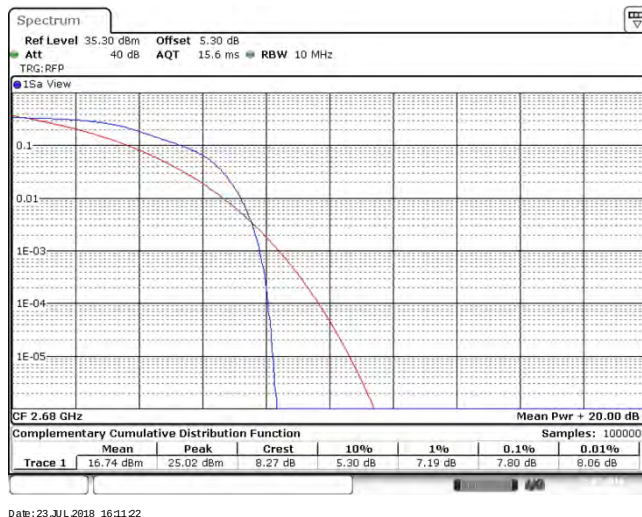
# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: SZEM180700654901

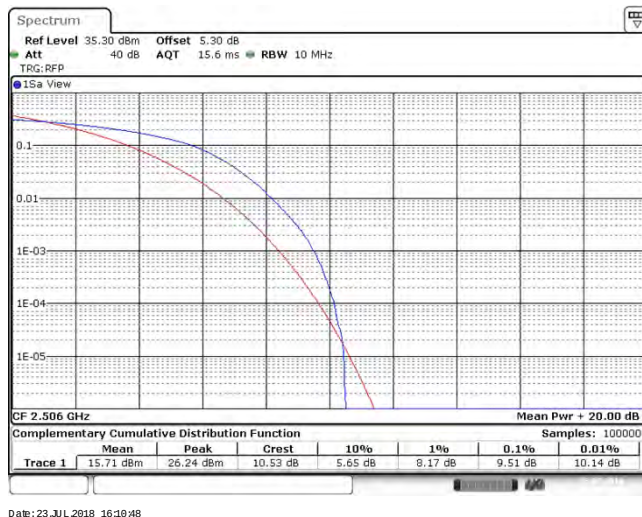
Page: 12 of 69



## BAND41\_20MHz\_QPSK\_41490\_100RB#0



## BAND41\_20MHz\_64QAM\_39750\_100RB#0



## BAND41\_20MHz\_64QAM\_40620\_100RB#0



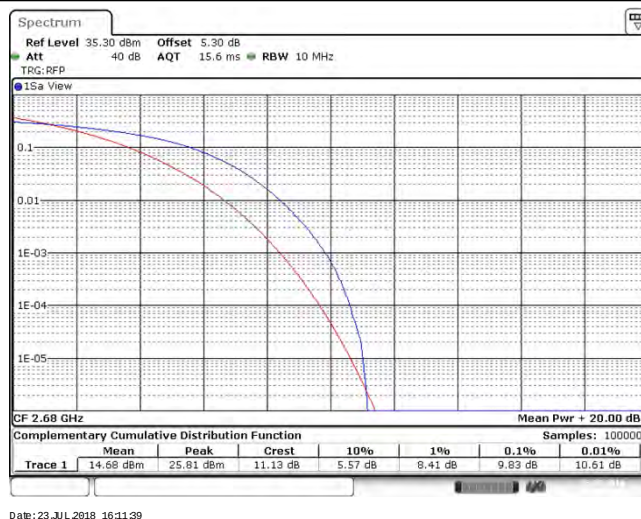
# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: SZEM180700654901

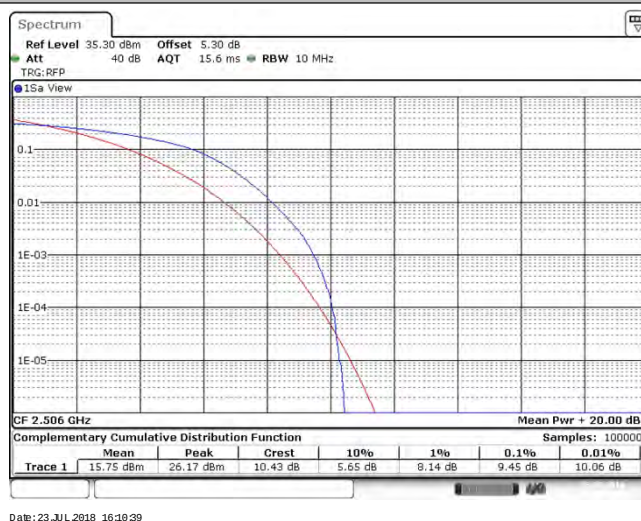
Page: 13 of 69



BAND41\_20MHz\_64QAM\_41490\_100RB#0



BAND41\_20MHz\_16QAM\_39750\_100RB#0



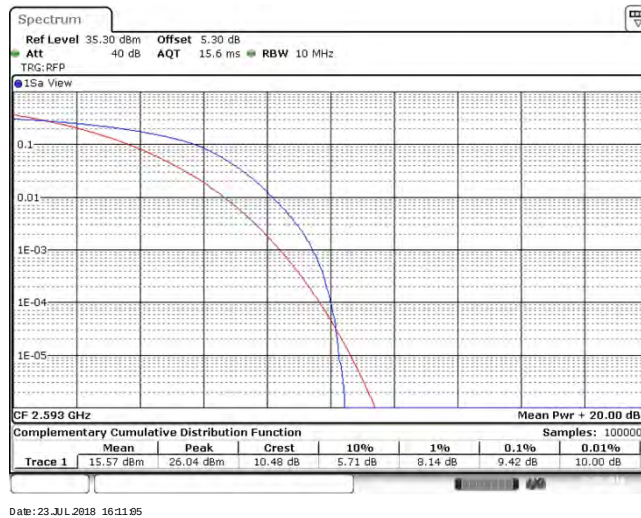
BAND41\_20MHz\_16QAM\_40620\_100RB#0



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

Report No.: SZEM180700654901

Page: 14 of 69



BAND41\_20MHz\_16QAM\_41490\_100RB#0



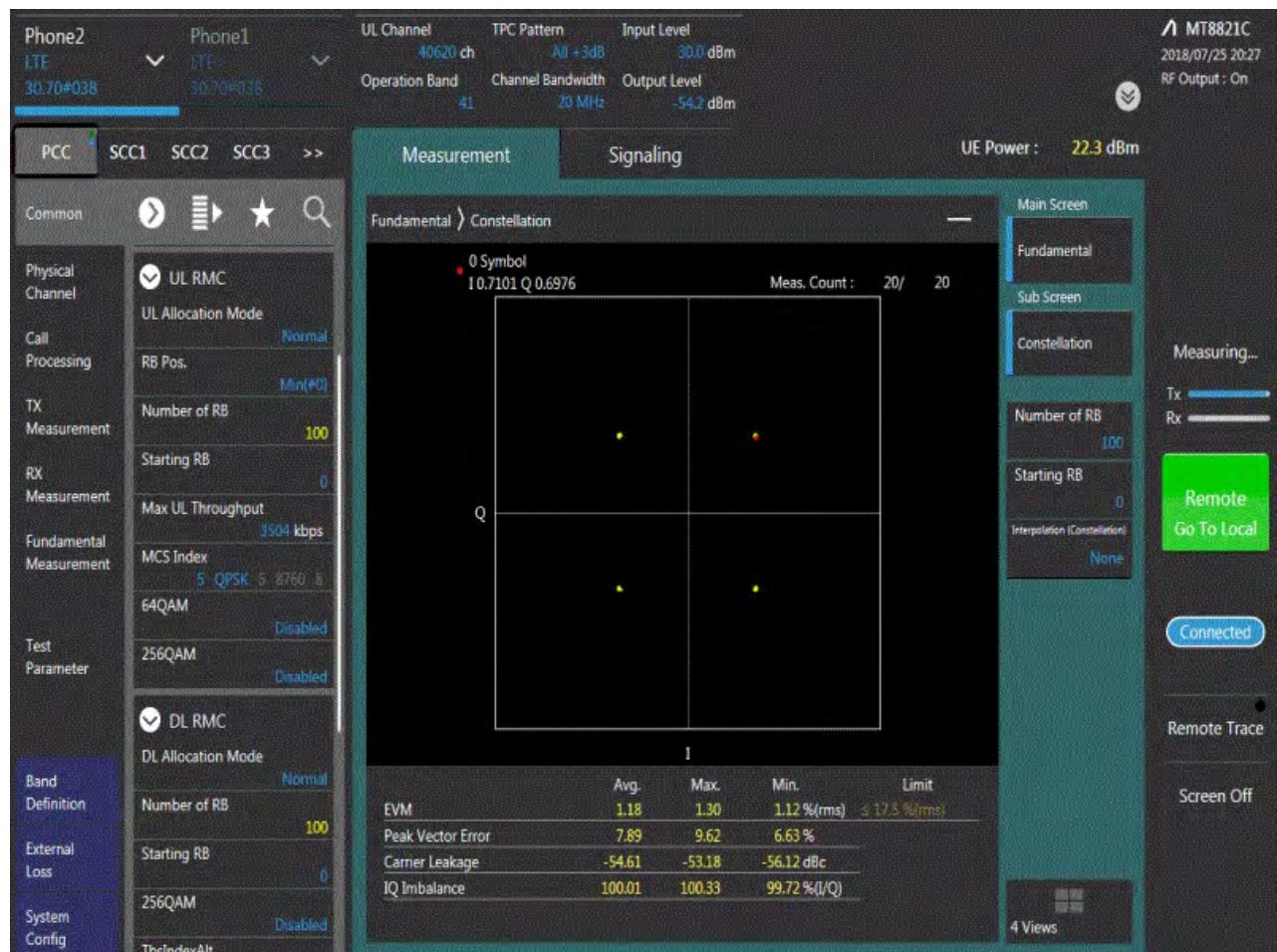


### 3. Modulation Characteristics

#### 3.1. Test BAND = LTE BAND41

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

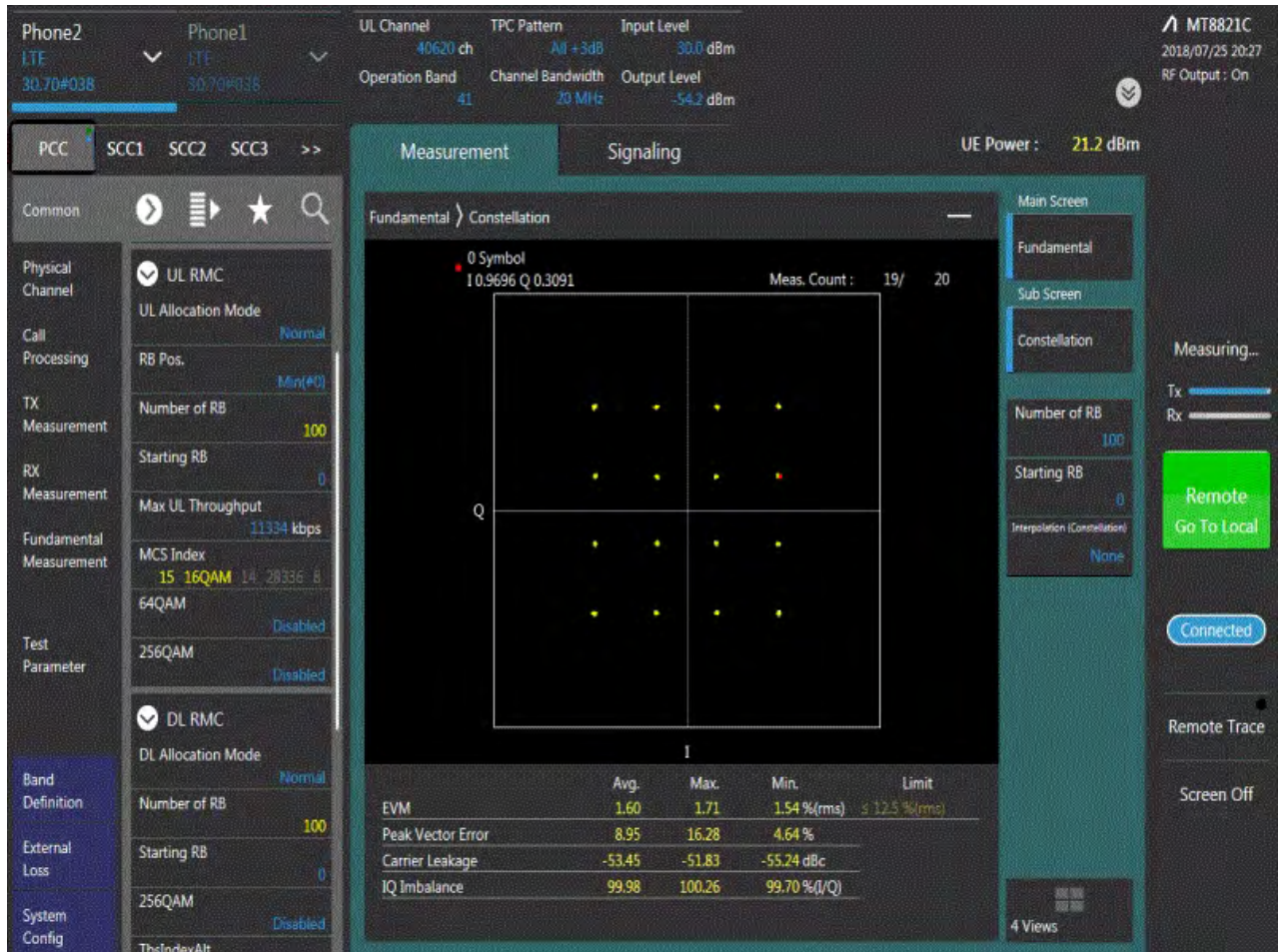
##### 3.1.1.1. Test Channel = MCH





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

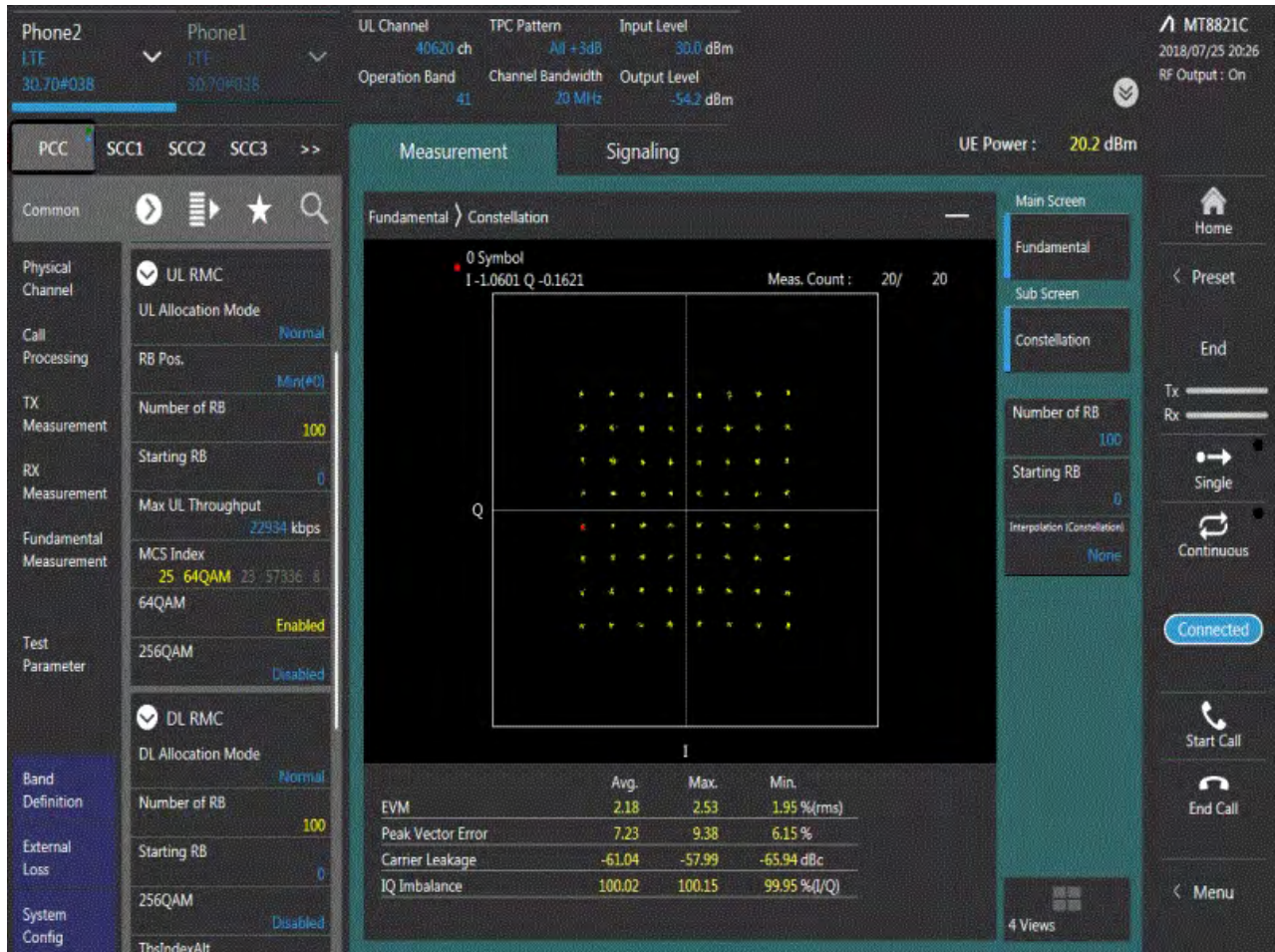
#### 3.1.2.1. Test Channel = MCH





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

#### 3.1.1.1. Test Channel = MCH





## 4. 26dB Bandwidth and Occupied Bandwidth

### 4.1. Test Result

| BAND   | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|--------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| BAND41 | 5MHz      | QPSK       | 39675   | 25RB#0           | 4.476                    | 4.940                | PASS    |
| BAND41 | 5MHz      | QPSK       | 40620   | 25RB#0           | 4.476                    | 4.960                | PASS    |
| BAND41 | 5MHz      | QPSK       | 41565   | 25RB#0           | 4.476                    | 4.910                | PASS    |
| BAND41 | 5MHz      | 64QAM      | 39675   | 25RB#0           | 4.466                    | 4.970                | PASS    |
| BAND41 | 5MHz      | 64QAM      | 40620   | 25RB#0           | 4.476                    | 4.870                | PASS    |
| BAND41 | 5MHz      | 64QAM      | 41565   | 25RB#0           | 4.466                    | 4.890                | PASS    |
| BAND41 | 5MHz      | 16QAM      | 39675   | 25RB#0           | 4.466                    | 4.900                | PASS    |
| BAND41 | 5MHz      | 16QAM      | 40620   | 25RB#0           | 4.466                    | 4.880                | PASS    |
| BAND41 | 5MHz      | 16QAM      | 41565   | 25RB#0           | 4.466                    | 4.900                | PASS    |
| BAND41 | 10MHz     | QPSK       | 39700   | 50RB#0           | 8.911                    | 9.700                | PASS    |
| BAND41 | 10MHz     | QPSK       | 40620   | 50RB#0           | 8.911                    | 9.760                | PASS    |
| BAND41 | 10MHz     | QPSK       | 41540   | 50RB#0           | 8.911                    | 9.760                | PASS    |
| BAND41 | 10MHz     | 64QAM      | 39700   | 50RB#0           | 8.951                    | 9.800                | PASS    |
| BAND41 | 10MHz     | 64QAM      | 40620   | 50RB#0           | 8.951                    | 9.800                | PASS    |
| BAND41 | 10MHz     | 64QAM      | 41540   | 50RB#0           | 8.951                    | 9.760                | PASS    |
| BAND41 | 10MHz     | 16QAM      | 39700   | 50RB#0           | 8.951                    | 9.800                | PASS    |
| BAND41 | 10MHz     | 16QAM      | 40620   | 50RB#0           | 8.951                    | 9.800                | PASS    |
| BAND41 | 10MHz     | 16QAM      | 41540   | 50RB#0           | 8.951                    | 9.780                | PASS    |
| BAND41 | 15MHz     | QPSK       | 39725   | 75RB#0           | 13.516                   | 15.060               | PASS    |
| BAND41 | 15MHz     | QPSK       | 40620   | 75RB#0           | 13.487                   | 15.120               | PASS    |
| BAND41 | 15MHz     | QPSK       | 41515   | 75RB#0           | 13.487                   | 14.970               | PASS    |
| BAND41 | 15MHz     | 64QAM      | 39725   | 75RB#0           | 13.487                   | 15.000               | PASS    |
| BAND41 | 15MHz     | 64QAM      | 40620   | 75RB#0           | 13.516                   | 15.120               | PASS    |
| BAND41 | 15MHz     | 64QAM      | 41515   | 75RB#0           | 13.516                   | 15.210               | PASS    |
| BAND41 | 15MHz     | 16QAM      | 39725   | 75RB#0           | 13.516                   | 15.120               | PASS    |
| BAND41 | 15MHz     | 16QAM      | 40620   | 75RB#0           | 13.546                   | 15.060               | PASS    |
| BAND41 | 15MHz     | 16QAM      | 41515   | 75RB#0           | 13.516                   | 15.060               | PASS    |
| BAND41 | 20MHz     | QPSK       | 39750   | 100RB#0          | 17.942                   | 19.760               | PASS    |
| BAND41 | 20MHz     | QPSK       | 40620   | 100RB#0          | 17.942                   | 19.800               | PASS    |
| BAND41 | 20MHz     | QPSK       | 41490   | 100RB#0          | 17.942                   | 19.680               | PASS    |
| BAND41 | 20MHz     | 64QAM      | 39750   | 100RB#0          | 17.942                   | 19.840               | PASS    |
| BAND41 | 20MHz     | 64QAM      | 40620   | 100RB#0          | 17.902                   | 19.560               | PASS    |
| BAND41 | 20MHz     | 64QAM      | 41490   | 100RB#0          | 17.942                   | 19.680               | PASS    |



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

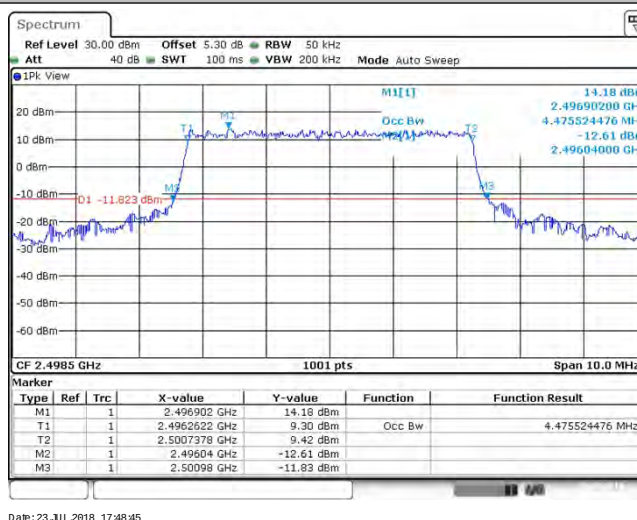
Report No.: SZEM180700654901

Page: 19 of 69

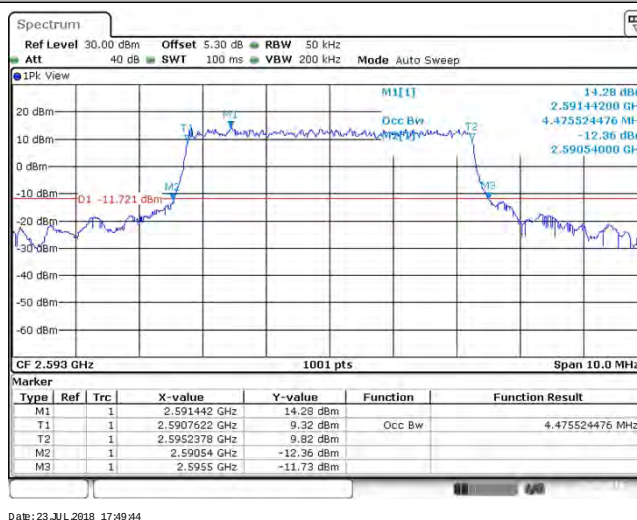
|        |       |       |       |         |        |        |      |
|--------|-------|-------|-------|---------|--------|--------|------|
| BAND41 | 20MHz | 16QAM | 39750 | 100RB#0 | 18.022 | 19.800 | PASS |
| BAND41 | 20MHz | 16QAM | 40620 | 100RB#0 | 17.942 | 19.880 | PASS |
| BAND41 | 20MHz | 16QAM | 41490 | 100RB#0 | 17.942 | 19.800 | PASS |

## 4.2. Test Plots

BAND41\_5MHz\_QPSK\_39675\_25RB#0



BAND41\_5MHz\_QPSK\_40620\_25RB#0



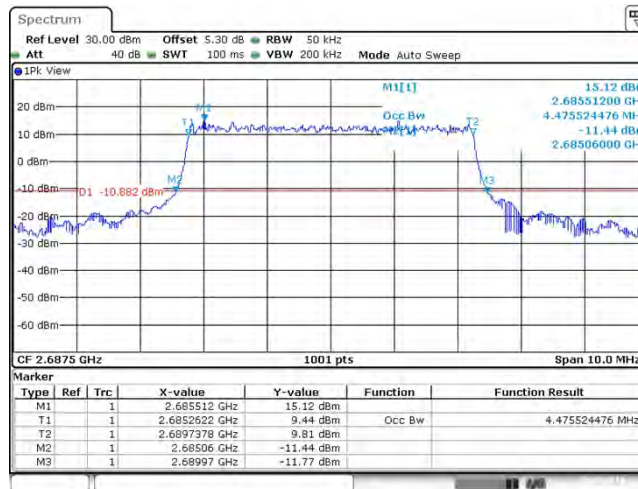
BAND41\_5MHz\_QPSK\_41565\_25RB#0



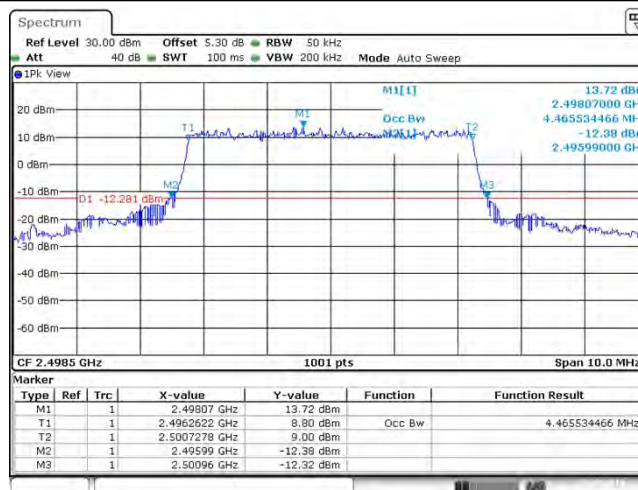
# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: SZEM180700654901

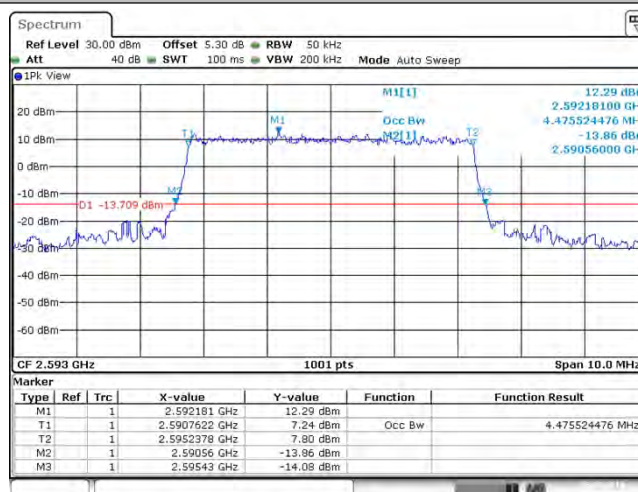
Page: 20 of 69



## BAND41\_5MHz\_64QAM\_39675\_25RB#0



## BAND41\_5MHz\_64QAM\_40620\_25RB#0



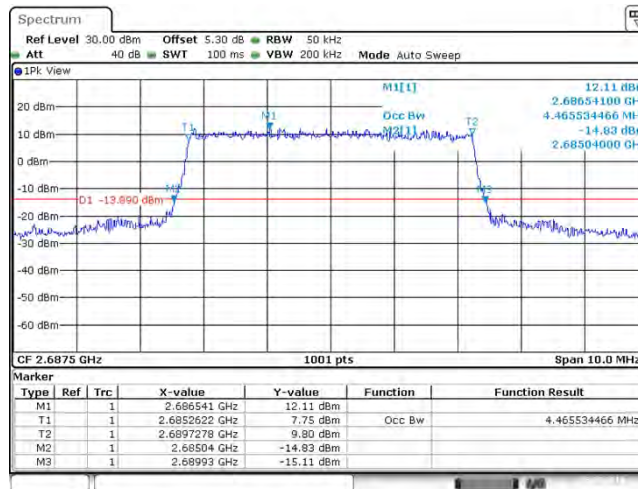
## BAND41\_5MHz\_64QAM\_41565\_25RB#0



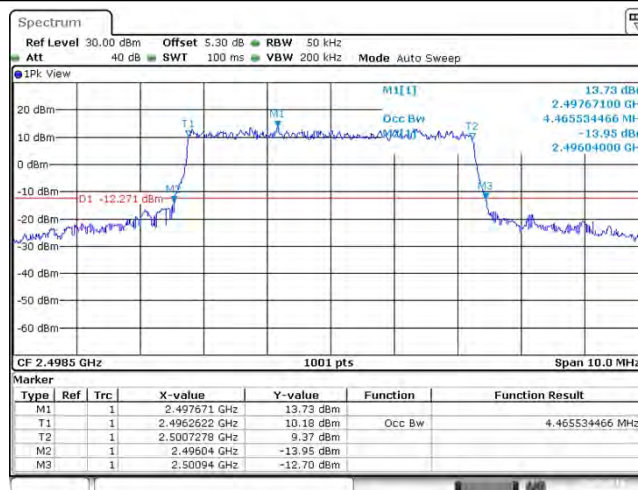
# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: SZEM180700654901

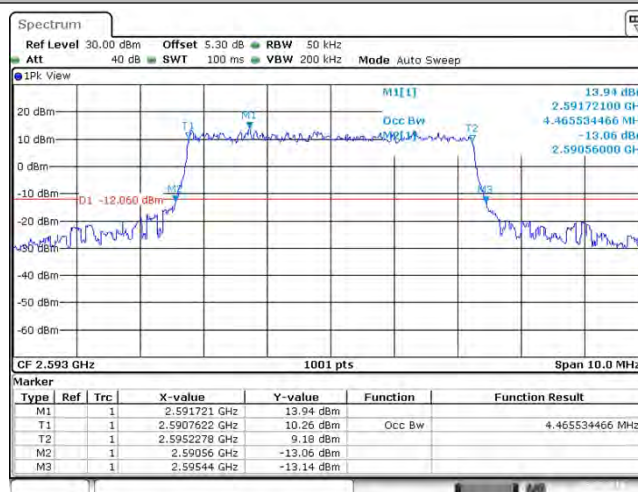
Page: 21 of 69



## BAND41\_5MHz\_16QAM\_39675\_25RB#0



## BAND41\_5MHz\_16QAM\_40620\_25RB#0



## BAND41\_5MHz\_16QAM\_41565\_25RB#0

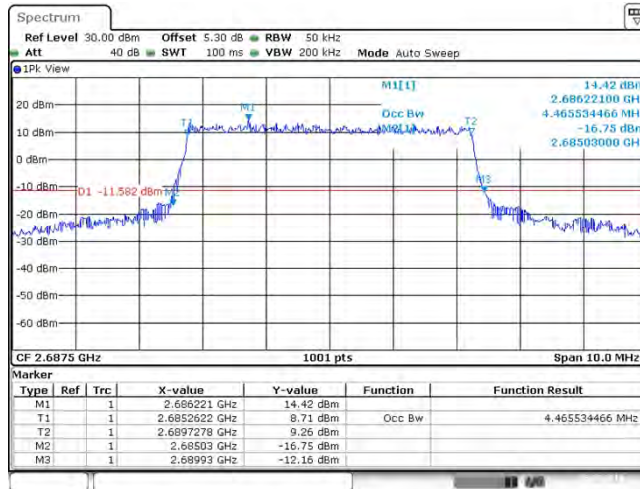
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>.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



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

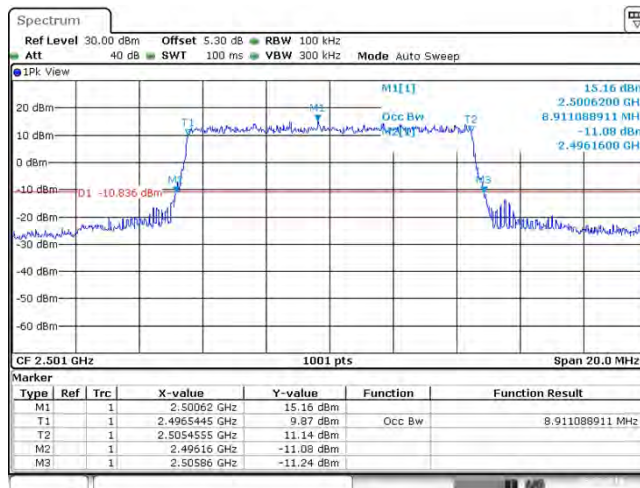
Report No.: SZEM180700654901

Page: 22 of 69



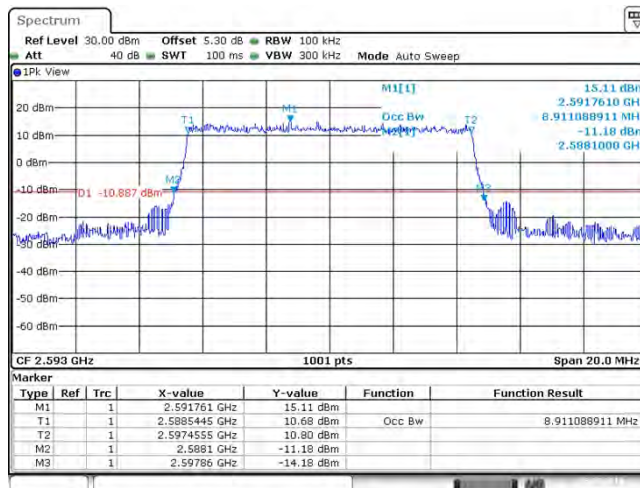
Date: 23 JUL 2018 17:51:83

## BAND41\_10MHz\_QPSK\_39700\_50RB#0



Date: 23 JUL 2018 17:51:41

## BAND41\_10MHz\_QPSK\_40620\_50RB#0



Date: 23 JUL 2018 17:52:29

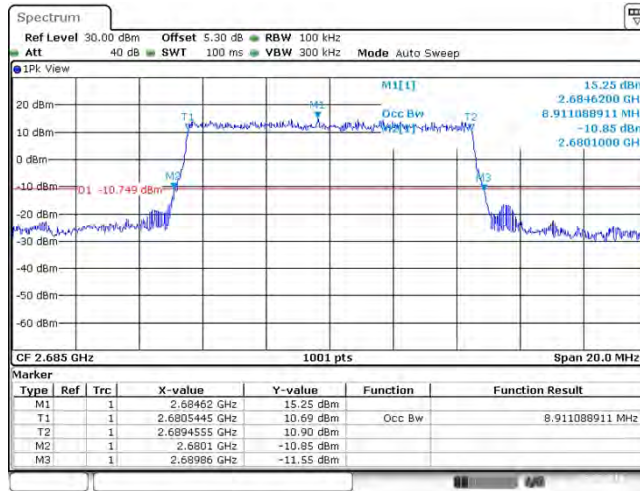
## BAND41\_10MHz\_QPSK\_41540\_50RB#0



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

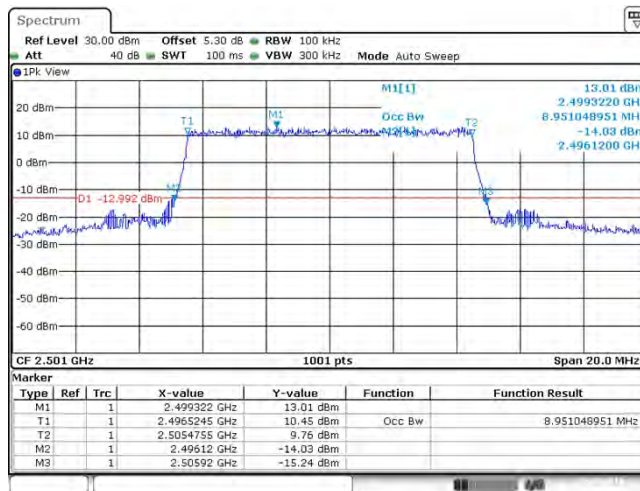
Report No.: SZEM180700654901

Page: 23 of 69



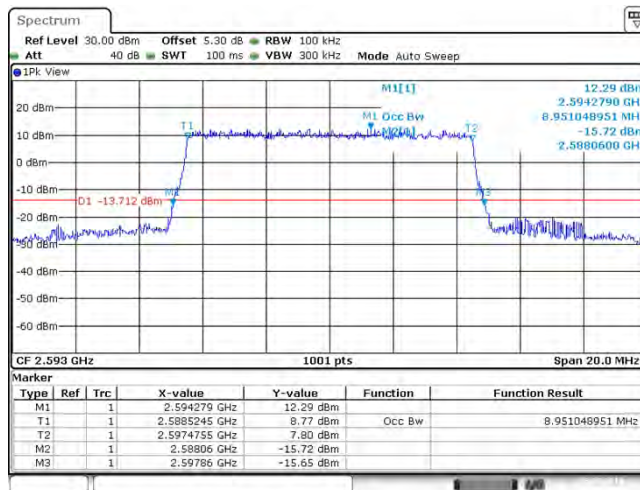
Date: 23 JUL 2018 17:52:58

## BAND41\_10MHz\_64QAM\_39700\_50RB#0



Date: 23 JUL 2018 17:52:96

## BAND41\_10MHz\_64QAM\_40620\_50RB#0



Date: 23 JUL 2018 17:52:45

## BAND41\_10MHz\_64QAM\_41540\_50RB#0

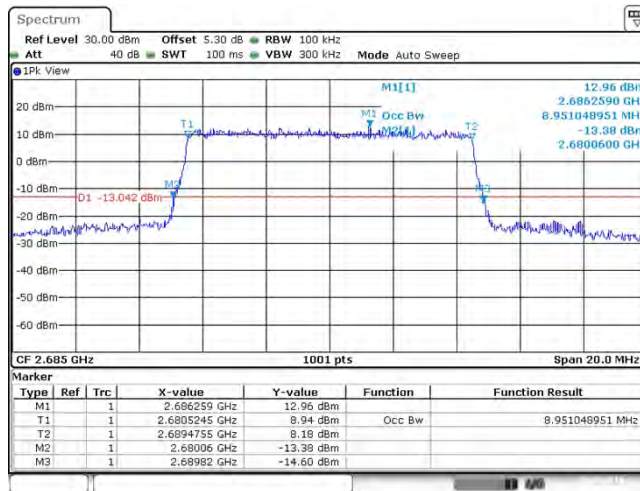
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>.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



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

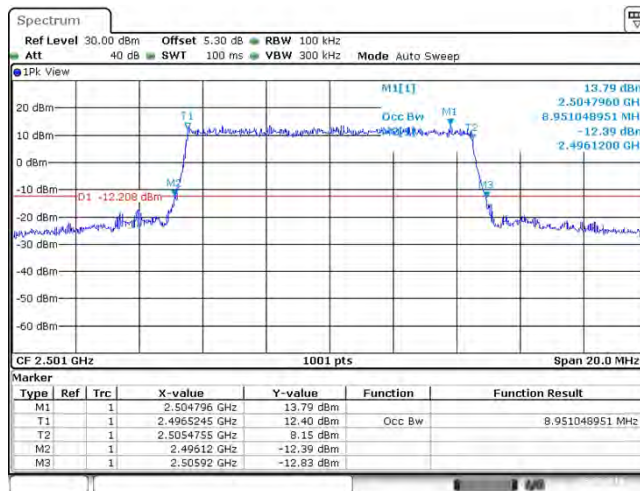
Report No.: SZEM180700654901

Page: 24 of 69



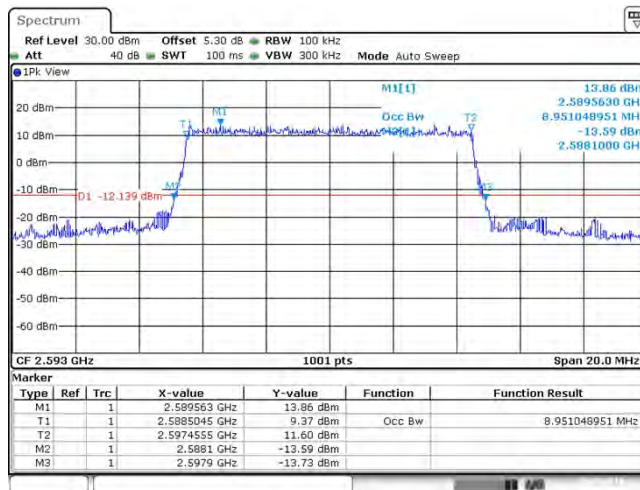
Date: 23 JUL 2018 17:53:24

## BAND41\_10MHz\_16QAM\_39700\_50RB#0



Date: 23 JUL 2018 17:51:54

## BAND41\_10MHz\_16QAM\_40620\_50RB#0



Date: 23 JUL 2018 17:52:32

## BAND41\_10MHz\_16QAM\_41540\_50RB#0

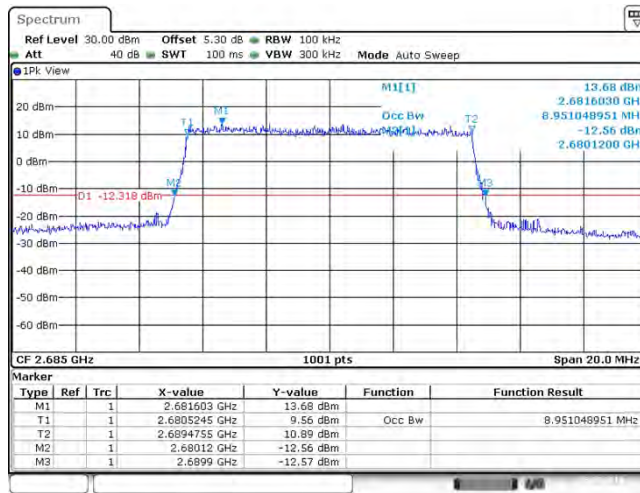
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>.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



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

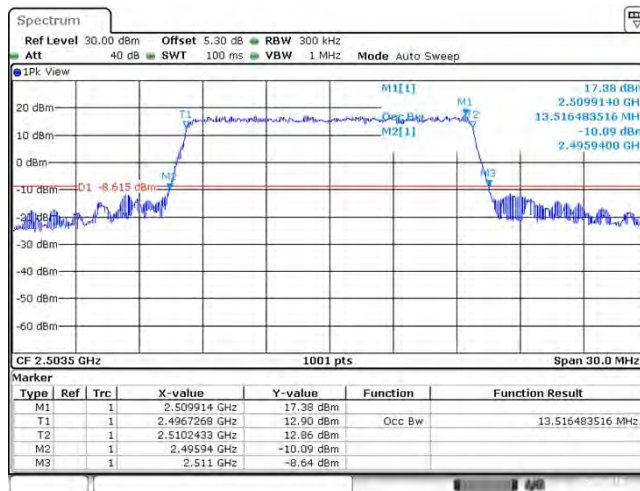
Report No.: SZEM180700654901

Page: 25 of 69



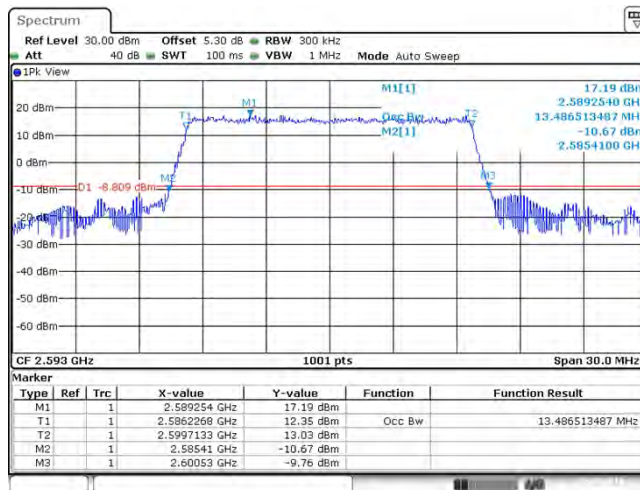
Date: 23 JUL 2018 17:53:11

## BAND41\_15MHz\_QPSK\_39725\_75RB#0



Date: 23 JUL 2018 17:53:41

## BAND41\_15MHz\_QPSK\_40620\_75RB#0



Date: 23 JUL 2018 17:54:29

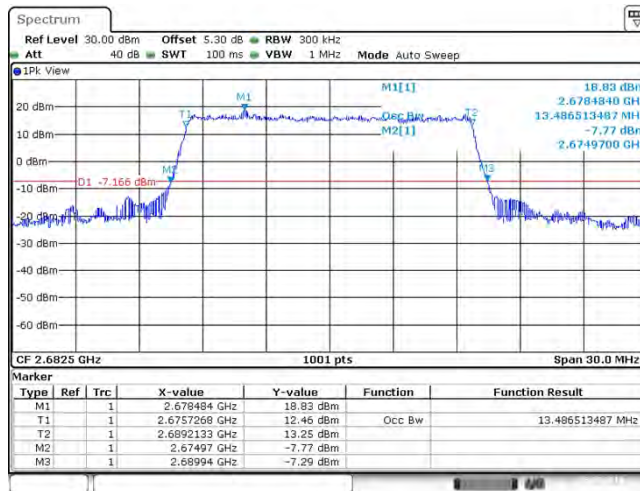
## BAND41\_15MHz\_QPSK\_41515\_75RB#0



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

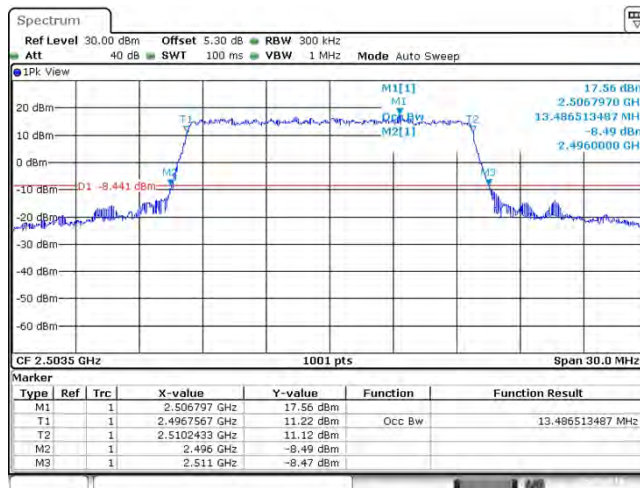
Report No.: SZEM180700654901

Page: 26 of 69



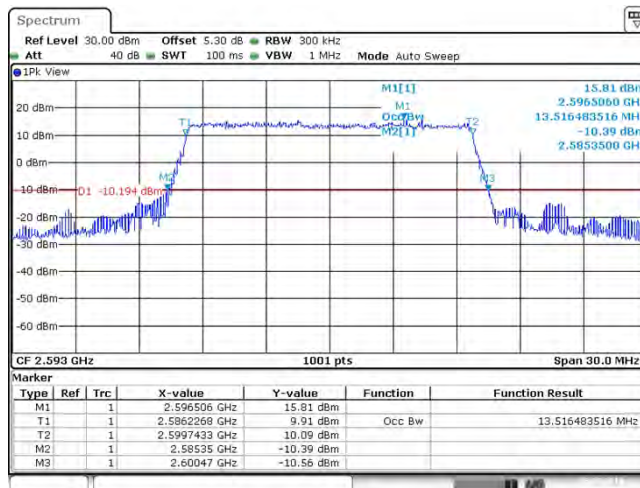
Date: 23 JUL 2018 17:54:58

## BAND41\_15MHz\_64QAM\_39725\_75RB#0



Date: 23 JUL 2018 17:54:57

## BAND41\_15MHz\_64QAM\_40620\_75RB#0



Date: 23 JUL 2018 17:54:45

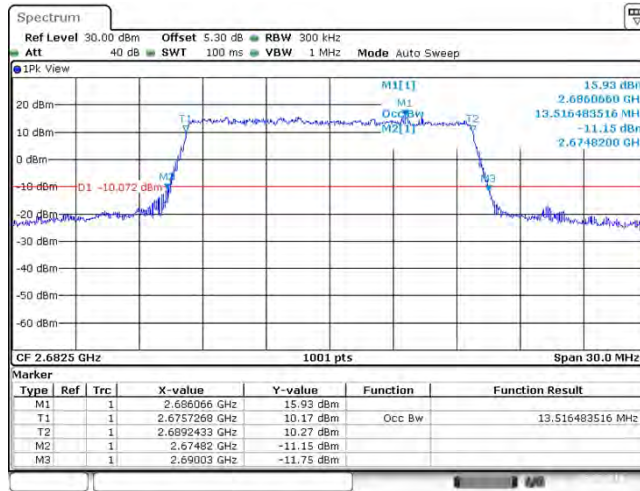
## BAND41\_15MHz\_64QAM\_41515\_75RB#0



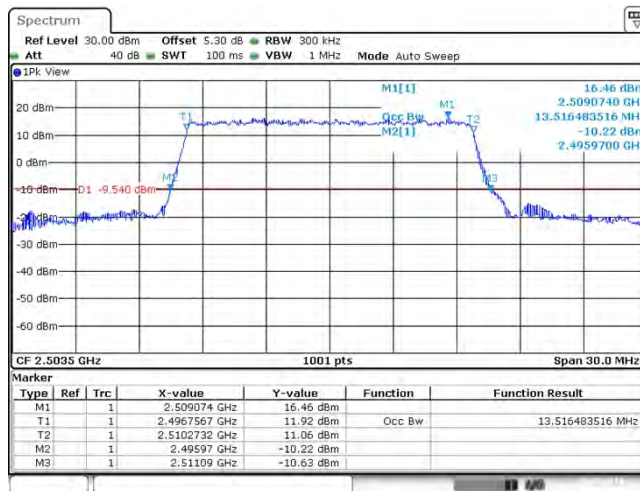
# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: SZEM180700654901

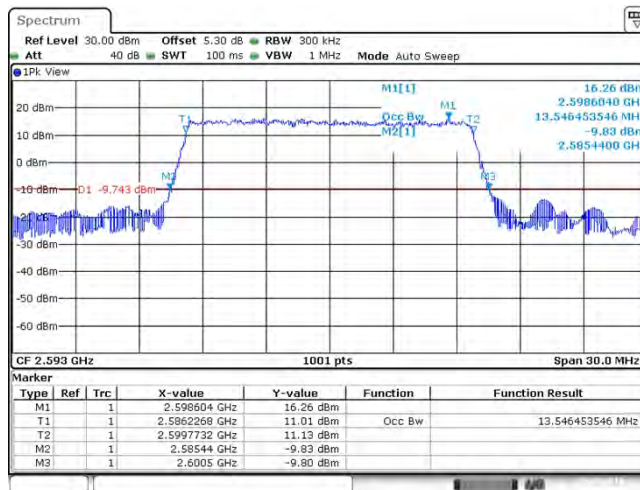
Page: 27 of 69



## BAND41\_15MHz\_16QAM\_39725\_75RB#0



## BAND41\_15MHz\_16QAM\_40620\_75RB#0



## BAND41\_15MHz\_16QAM\_41515\_75RB#0

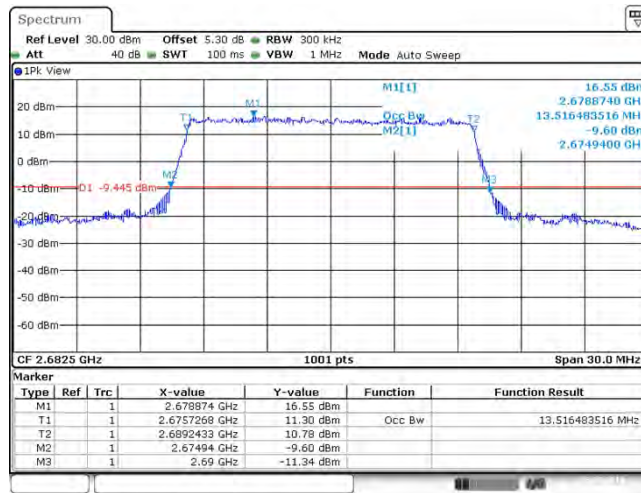
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>.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



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

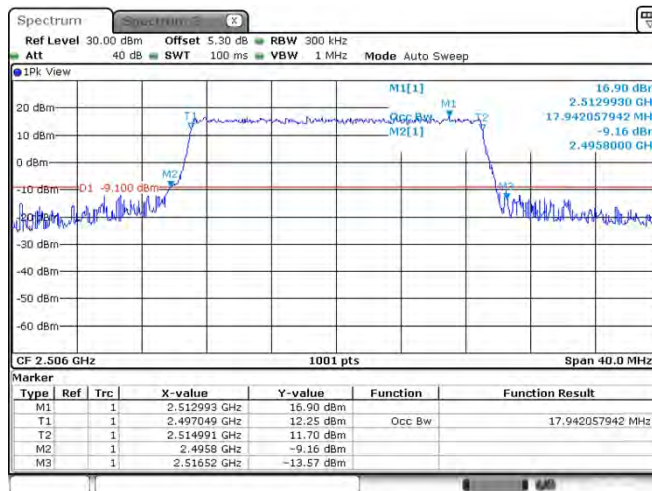
Report No.: SZEM180700654901

Page: 28 of 69



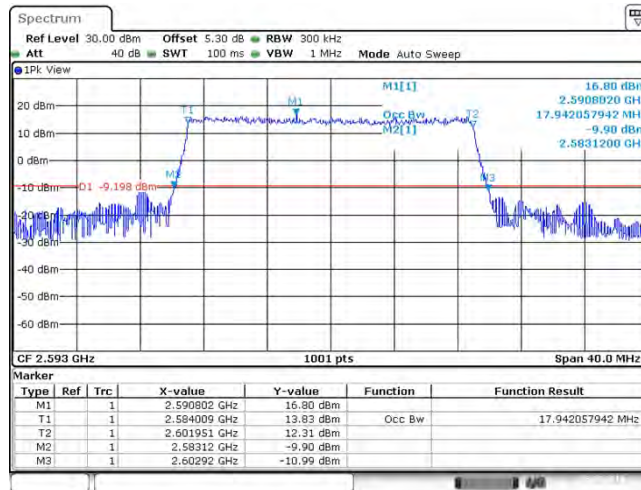
Date: 23 JUL 2018 17:55:11

## BAND41\_20MHz\_QPSK\_39750\_100RB#0



Date: 15 AUG 2018 10:20:01

## BAND41\_20MHz\_QPSK\_40620\_100RB#0



Date: 23 JUL 2018 17:56:20

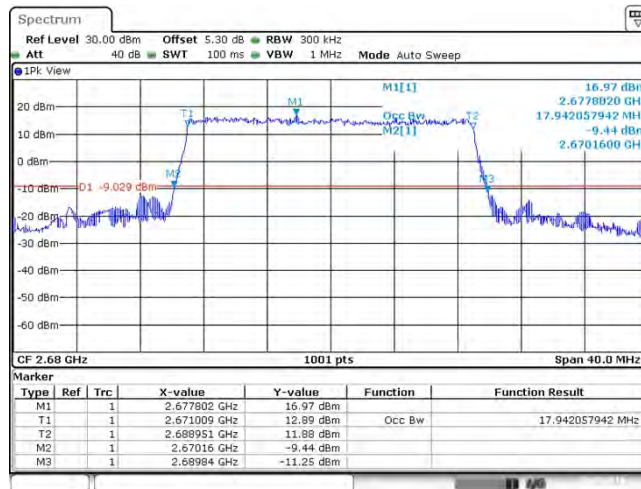
## BAND41\_20MHz\_QPSK\_41490\_100RB#0



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

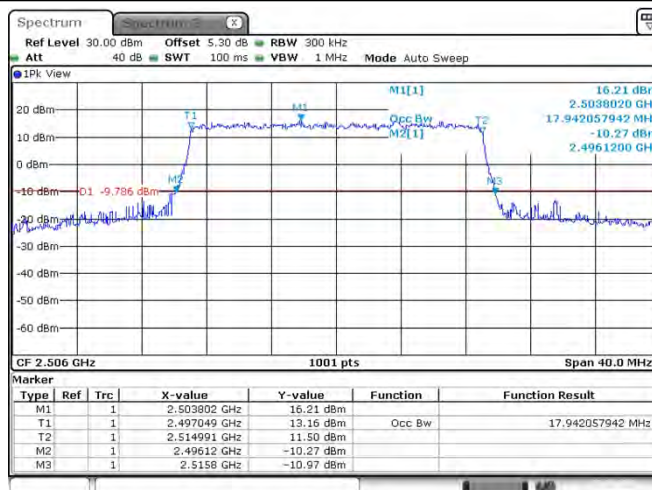
Report No.: SZEM180700654901

Page: 29 of 69



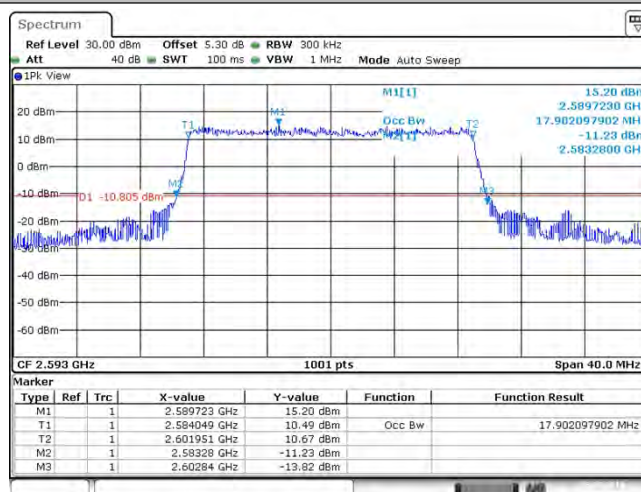
Date: 23 JUL 2018 17:56:59

## BAND41\_20MHz\_64QAM\_39750\_100RB#0



Date: 15 AUG 2018 10:29:19

## BAND41\_20MHz\_64QAM\_40620\_100RB#0



Date: 23 JUL 2018 17:56:46

## BAND41\_20MHz\_64QAM\_41490\_100RB#0

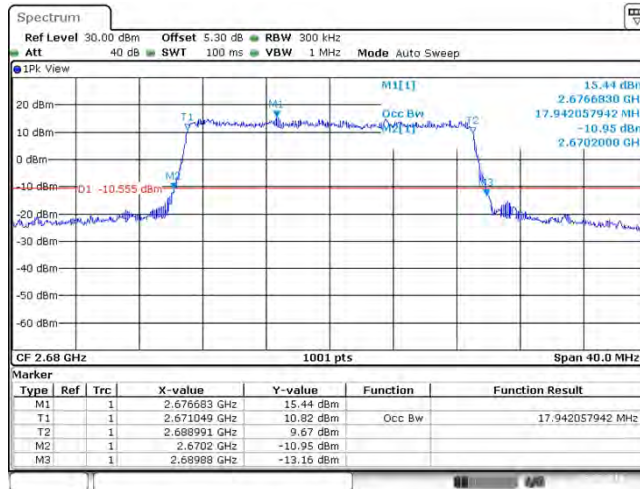
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>.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



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

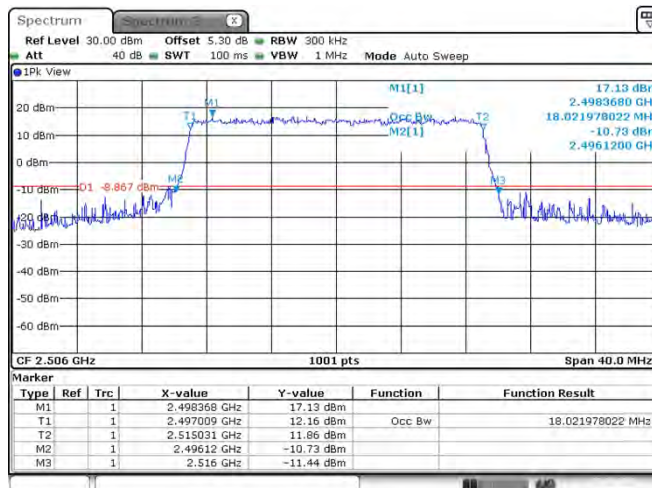
Report No.: SZEM180700654901

Page: 30 of 69



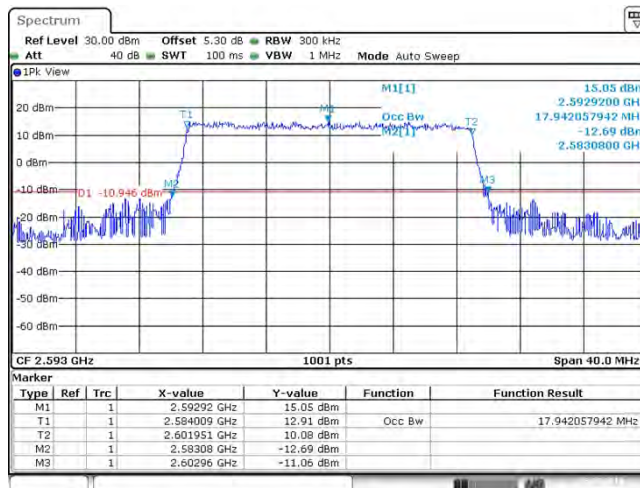
Date: 23 JUL 2018 17:57:25

## BAND41\_20MHz\_16QAM\_39750\_100RB#0



Date: 15 AUG 2018 10:29:50

## BAND41\_20MHz\_16QAM\_40620\_100RB#0



Date: 23 JUL 2018 17:56:33

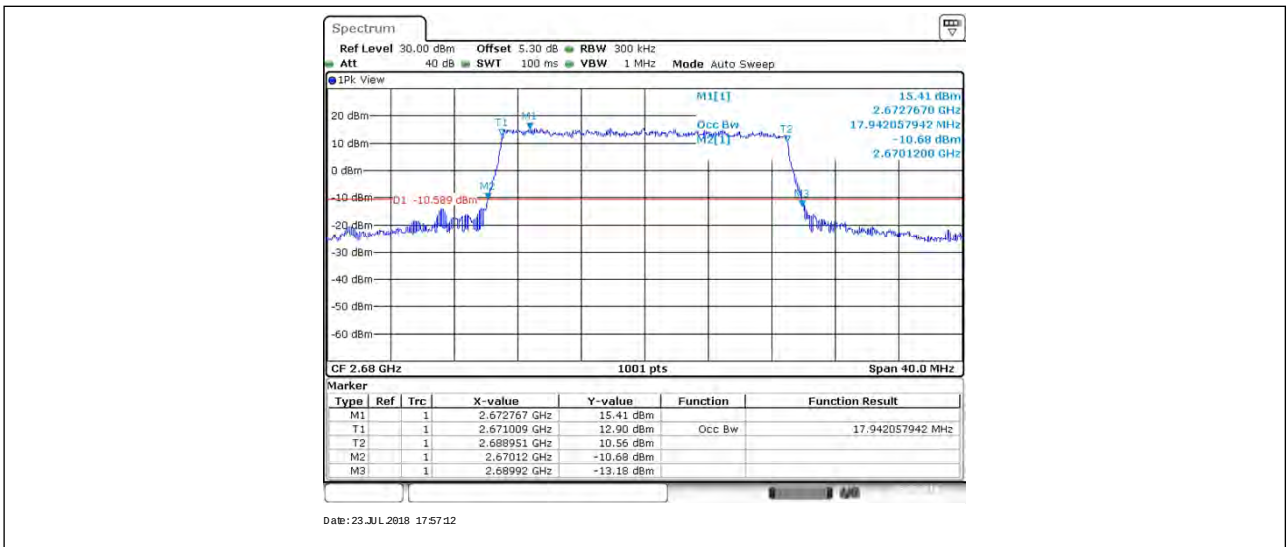
## BAND41\_20MHz\_16QAM\_41490\_100RB#0



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

Report No.: SZEM180700654901

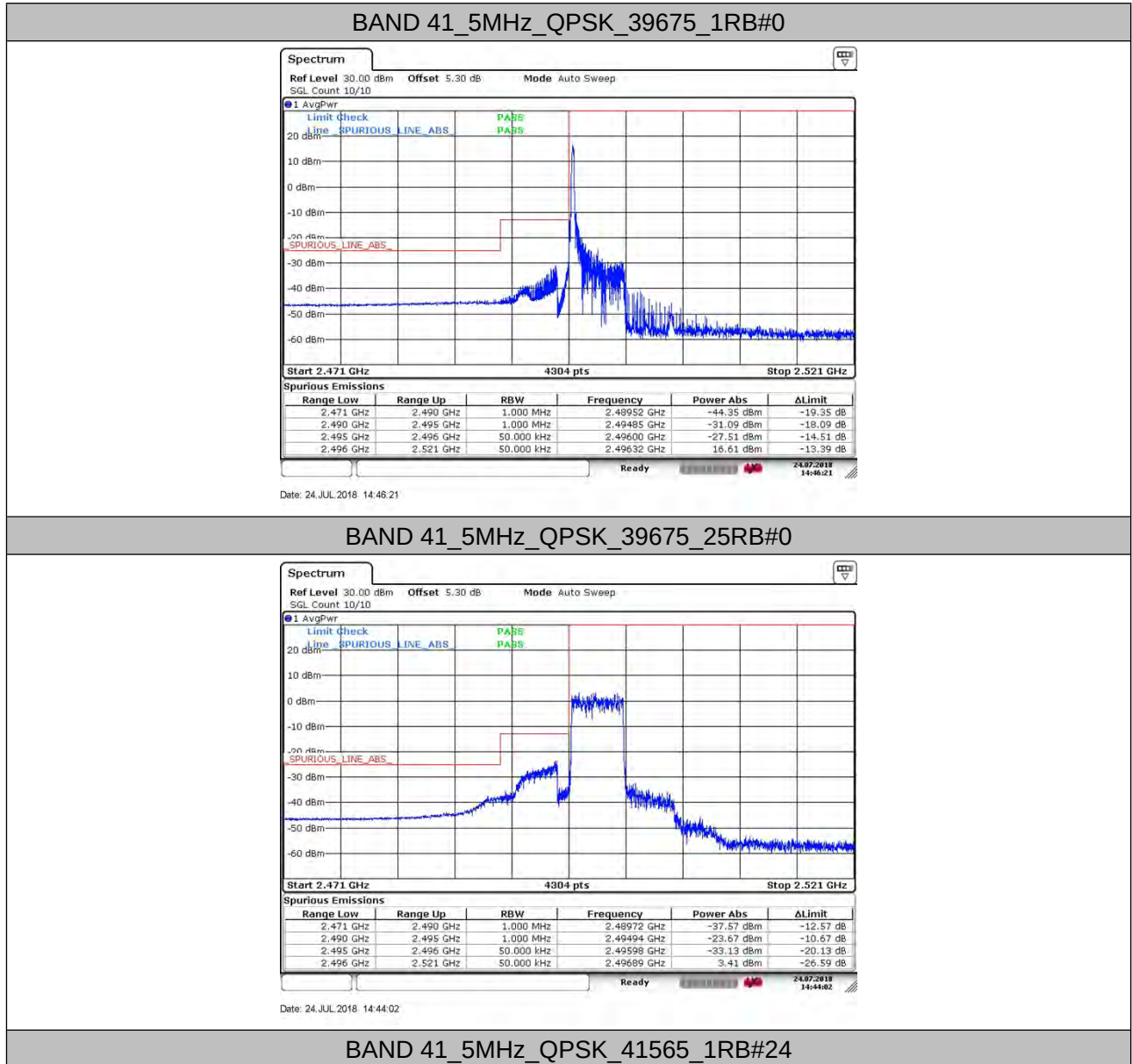
Page: 31 of 69





## 5. Band Edge Compliance

### 5.1. Test Plots

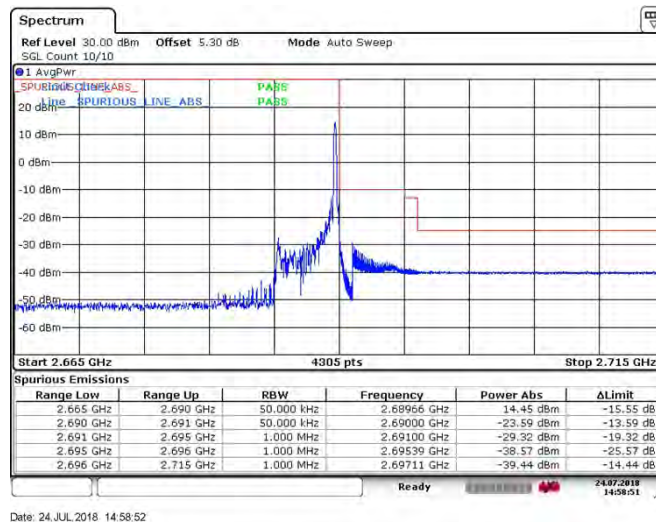




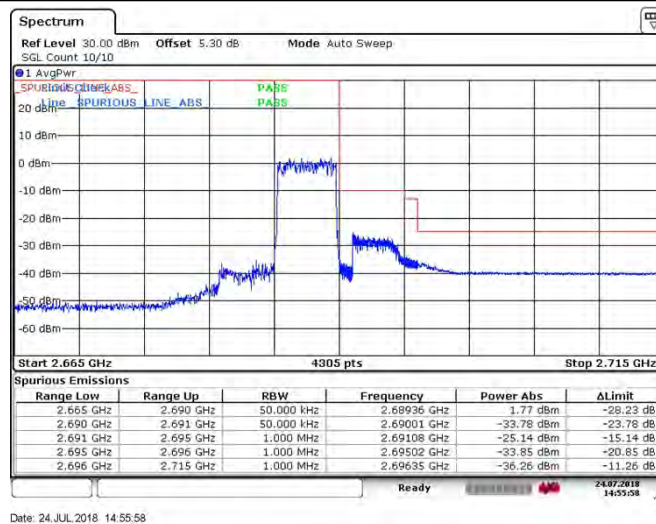
# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: SZEM180700654901

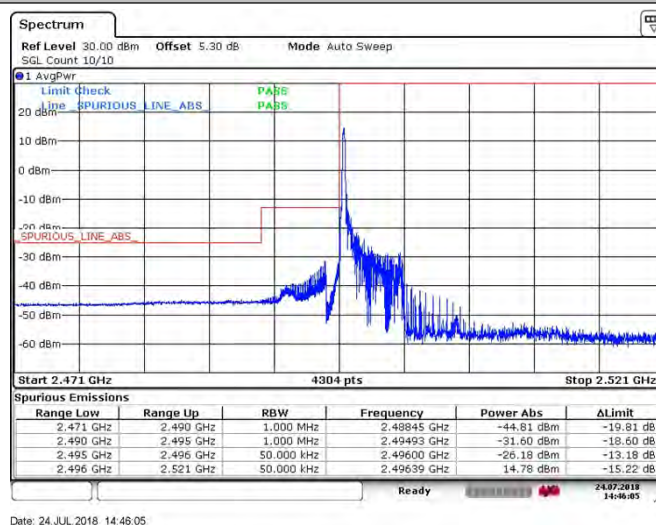
Page: 33 of 69



## BAND 41\_5MHz\_QPSK\_41565\_25RB#0



## BAND 41\_5MHz\_16QAM\_39675\_1RB#0



## BAND 41\_5MHz\_16QAM\_39675\_25RB#0

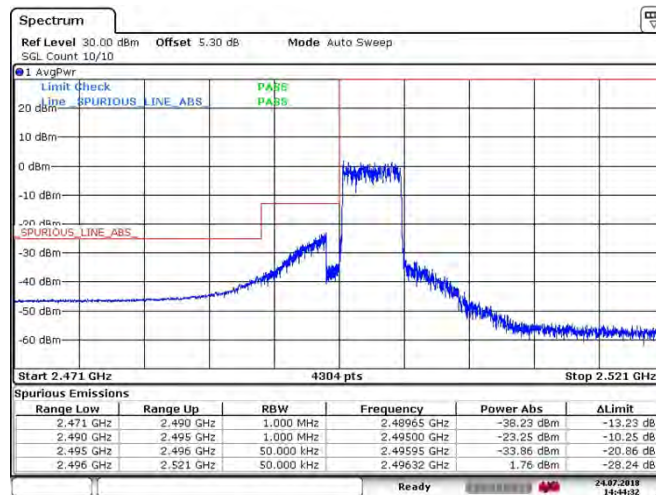
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>.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



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

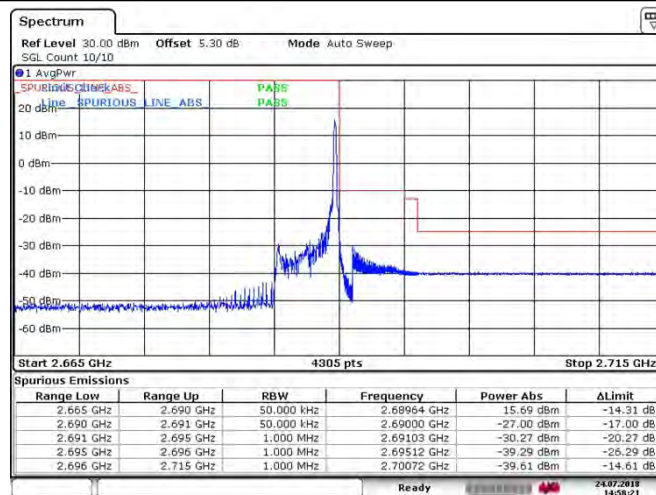
Report No.: SZEM180700654901

Page: 34 of 69



Date: 24.JUL.2018 14:44:33

## BAND 41\_5MHz\_16QAM\_41565\_1RB#24



Date: 24.JUL.2018 14:58:21

## BAND 41\_5MHz\_16QAM\_41565\_25RB#0



Date: 24.JUL.2018 14:57:30

## BAND 41\_5MHz\_64QAM\_39675\_1RB#0

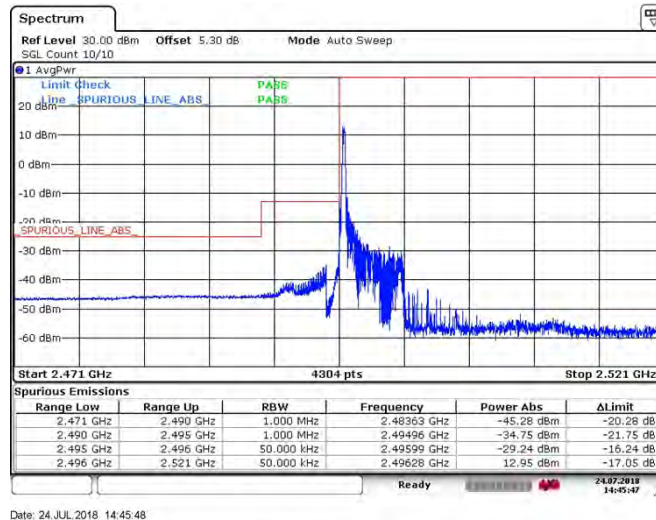
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>.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



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

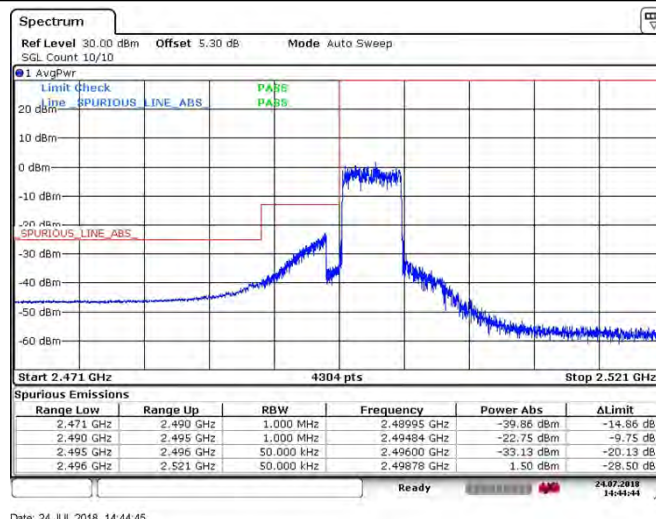
Report No.: SZEM180700654901

Page: 35 of 69



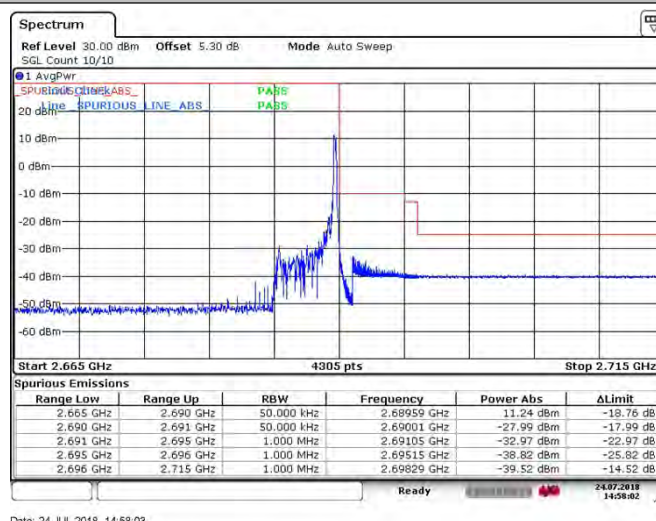
Date: 24.JUL.2018 14:45:48

## BAND 41\_5MHz\_64QAM\_39675\_25RB#0



Date: 24.JUL.2018 14:44:45

## BAND 41\_5MHz\_64QAM\_41565\_1RB#24



Date: 24.JUL.2018 14:58:03

## BAND 41\_5MHz\_64QAM\_41565\_25RB#0

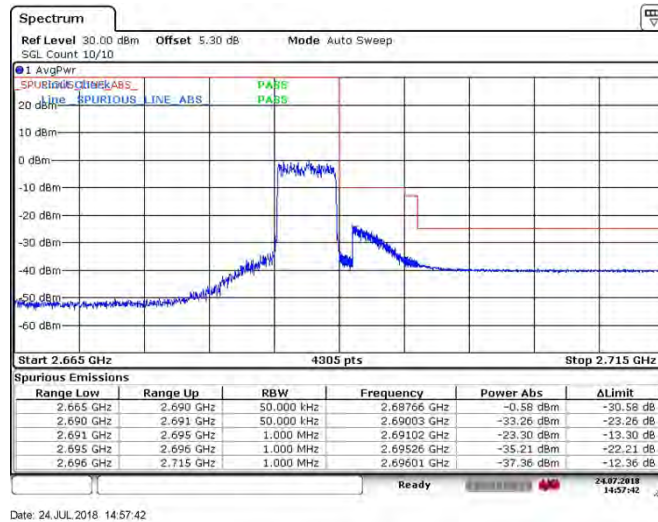
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>.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



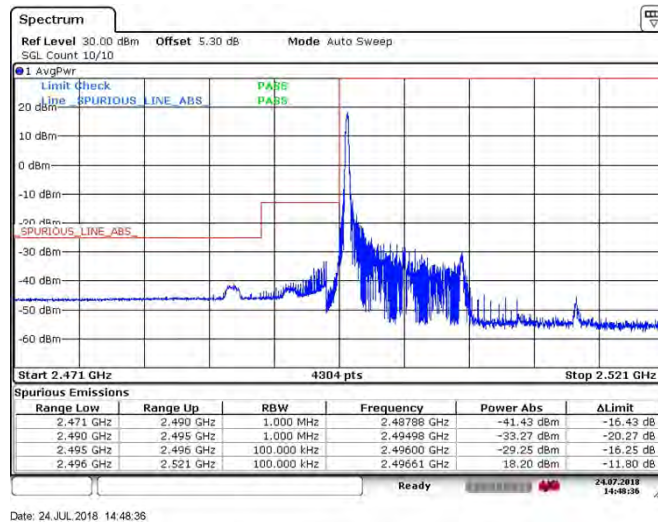
# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: SZEM180700654901

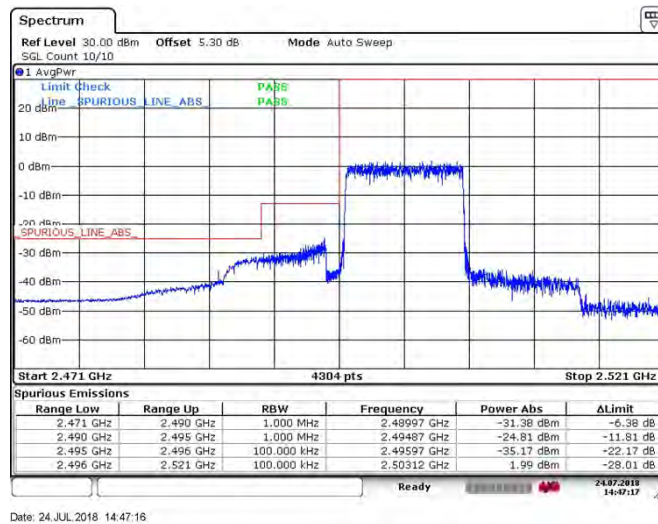
Page: 36 of 69



## BAND 41\_10MHz\_QPSK\_39700\_1RB#0



## BAND 41\_10MHz\_QPSK\_39700\_50RB#0



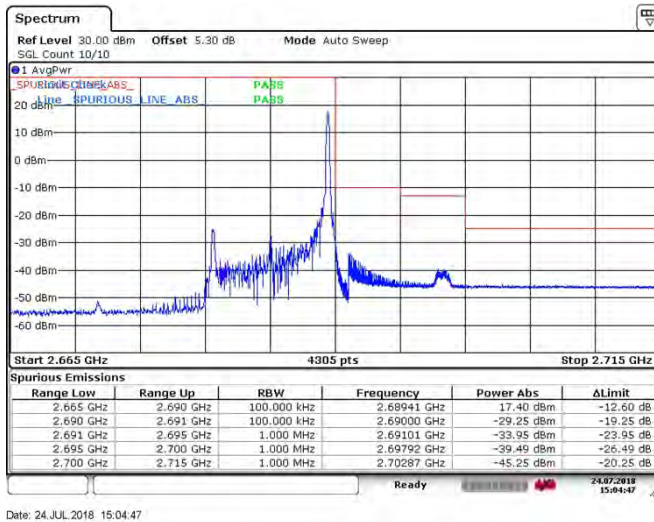
## BAND 41\_10MHz\_QPSK\_41540\_1RB#49



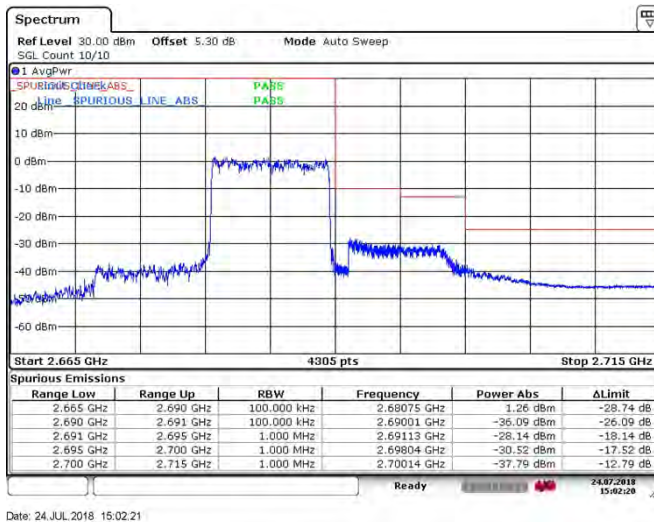
# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: SZEM180700654901

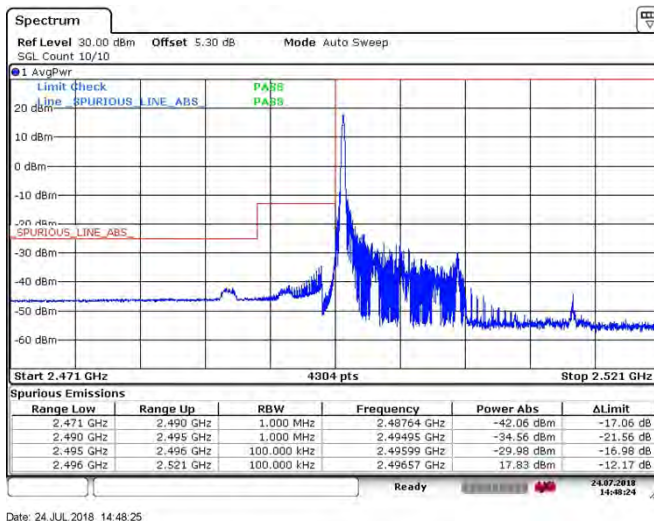
Page: 37 of 69



## BAND 41\_10MHz\_QPSK\_41540\_50RB#0



## BAND 41\_10MHz\_16QAM\_39700\_1RB#0



## BAND 41\_10MHz\_16QAM\_39700\_50RB#0

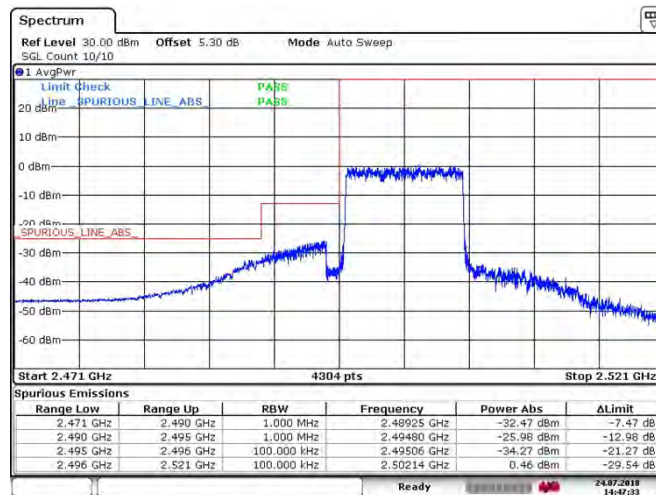
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>.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



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

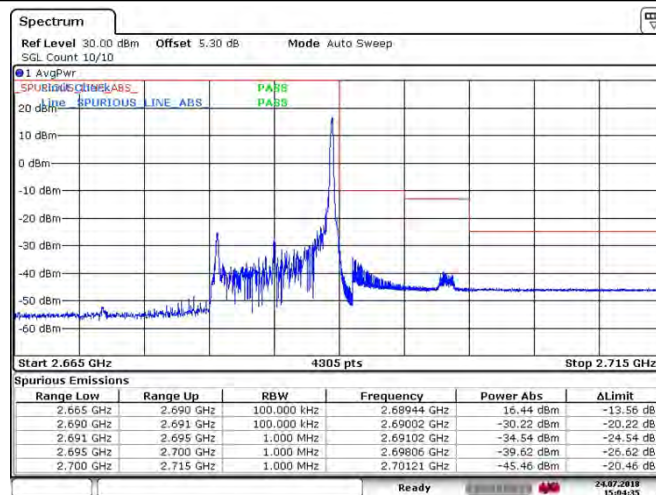
Report No.: SZEM180700654901

Page: 38 of 69



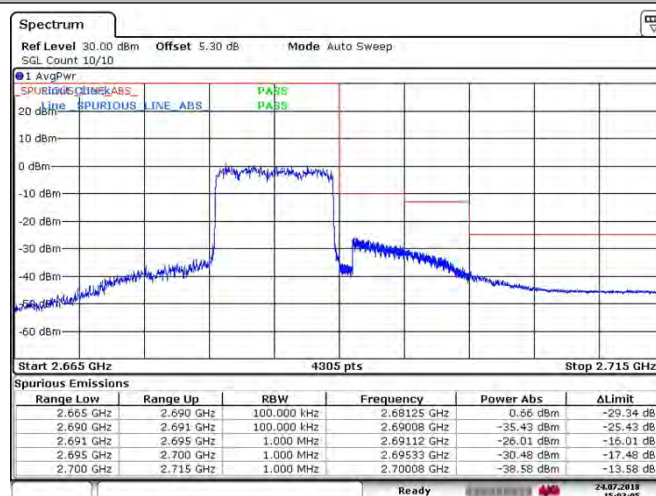
Date: 24.JUL.2018 14:47:33

## BAND 41\_10MHz\_16QAM\_41540\_1RB#49



Date: 24.JUL.2018 15:04:35

## BAND 41\_10MHz\_16QAM\_41540\_50RB#0



Date: 24.JUL.2018 15:03:05

## BAND 41\_10MHz\_64QAM\_39700\_1RB#0

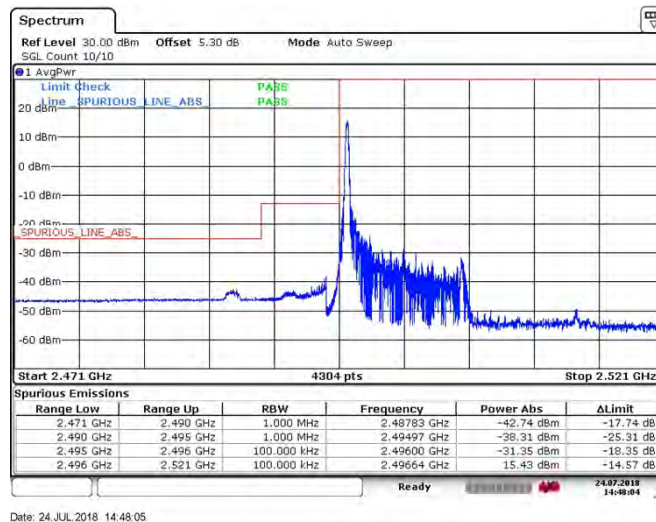
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>.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



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

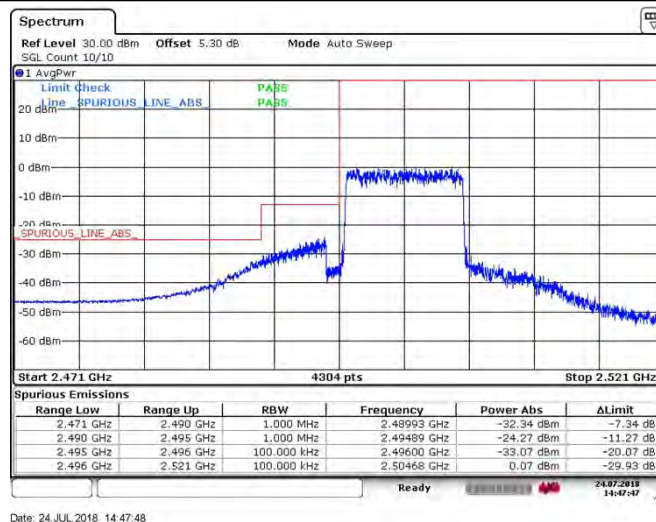
Report No.: SZEM180700654901

Page: 39 of 69



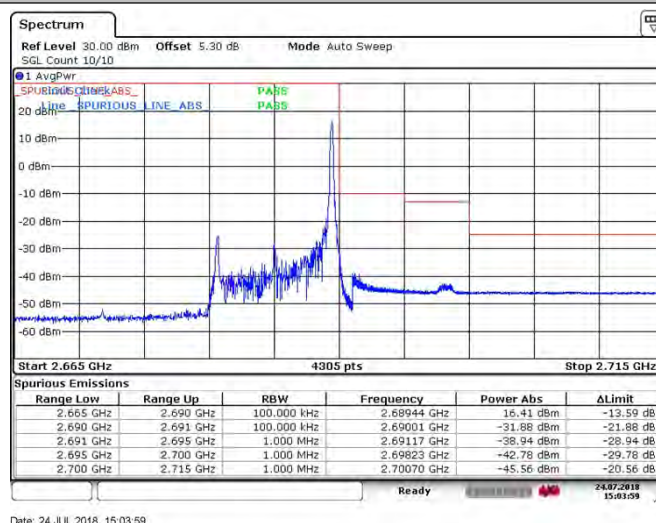
Date: 24.JUL.2018 14:48:05

## BAND 41\_10MHz\_64QAM\_39700\_50RB#0



Date: 24.JUL.2018 14:47:48

## BAND 41\_10MHz\_64QAM\_41540\_1RB#49



Date: 24.JUL.2018 15:03:59

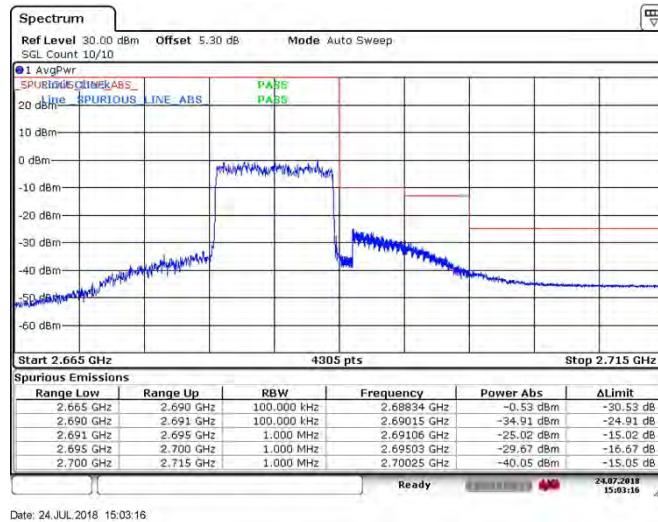
## BAND 41\_10MHz\_64QAM\_41540\_50RB#0



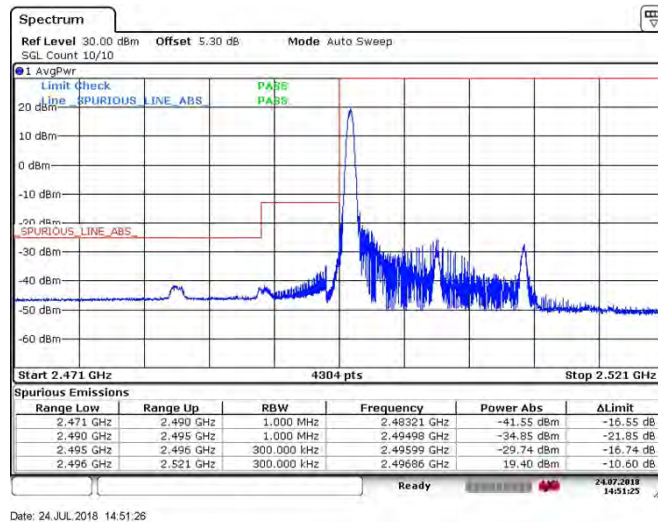
# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: SZEM180700654901

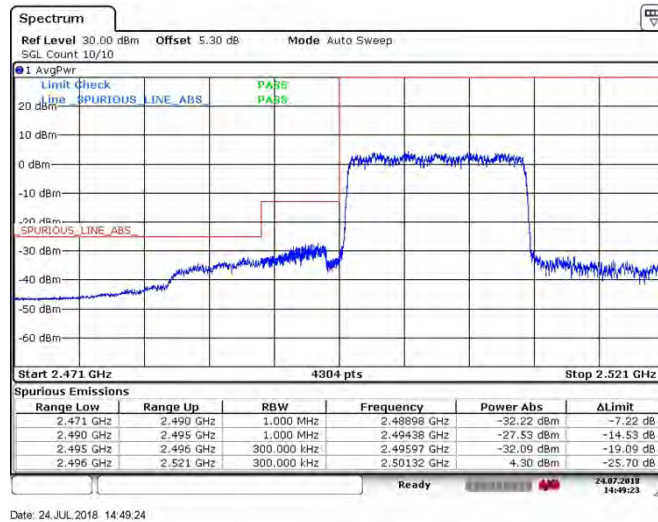
Page: 40 of 69



## BAND 41\_15MHz\_QPSK\_39725\_1RB#0



## BAND 41\_15MHz\_QPSK\_39725\_75RB#0



## BAND 41\_15MHz\_QPSK\_41515\_1RB#74

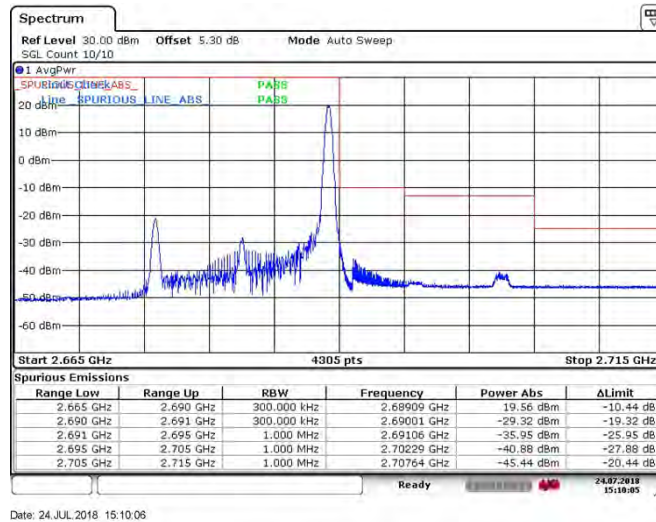
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>.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



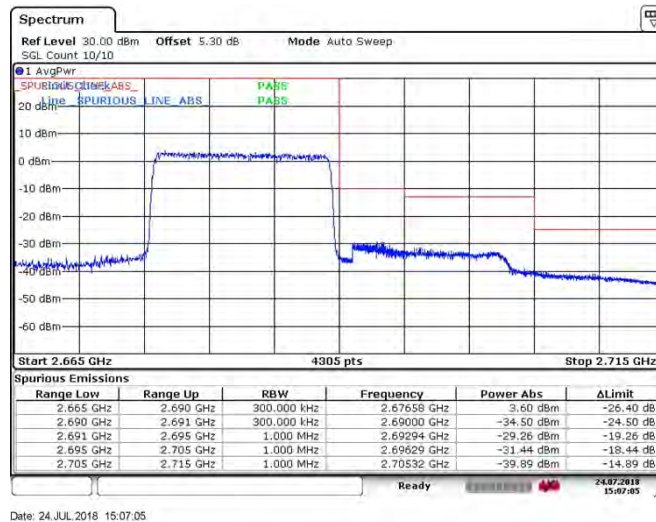
# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: SZEM180700654901

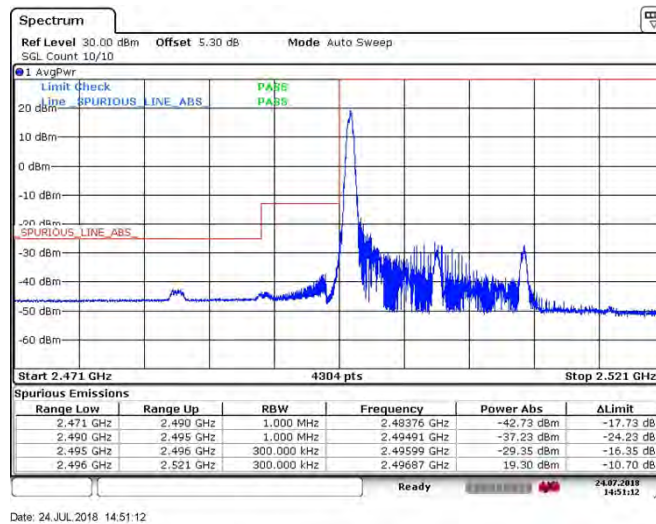
Page: 41 of 69



## BAND 41\_15MHz\_QPSK\_41515\_75RB#0



## BAND 41\_15MHz\_16QAM\_39725\_1RB#0



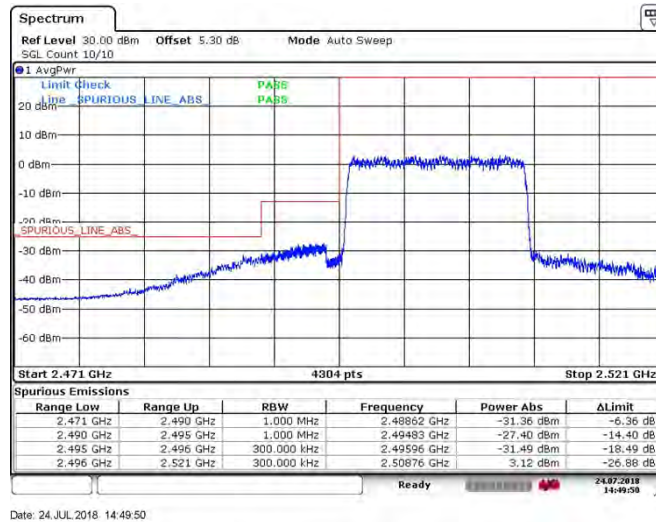
## BAND 41\_15MHz\_16QAM\_39725\_75RB#0



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

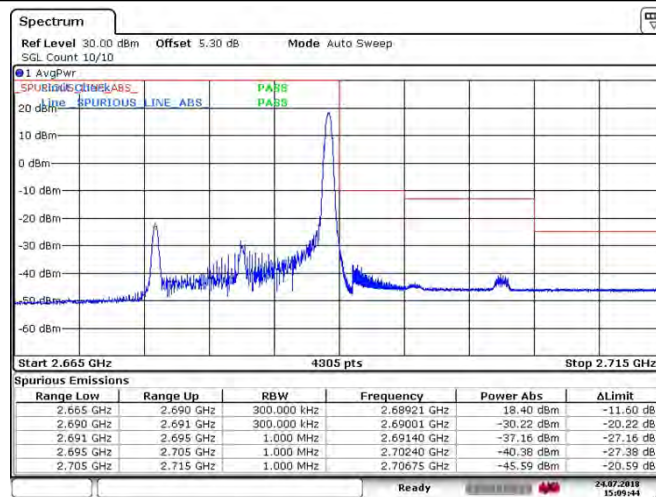
Report No.: SZEM180700654901

Page: 42 of 69



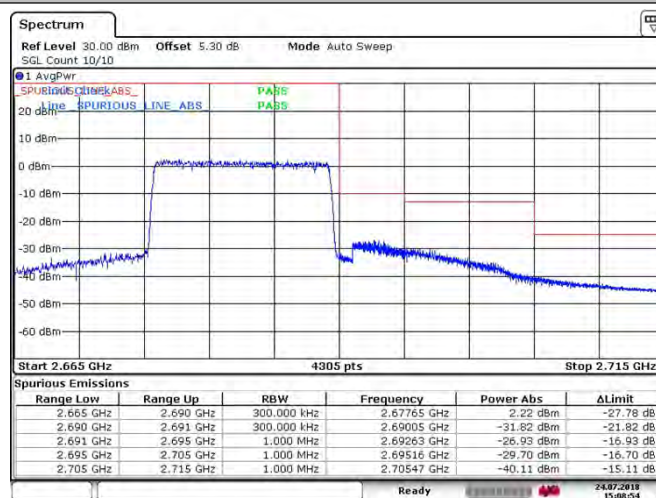
Date: 24.JUL.2018 14:49:50

## BAND 41\_15MHz\_16QAM\_41515\_1RB#74



Date: 24.JUL.2018 15:09:44

## BAND 41\_15MHz\_16QAM\_41515\_75RB#0



Date: 24.JUL.2018 15:08:54

## BAND 41\_15MHz\_64QAM\_39725\_1RB#0

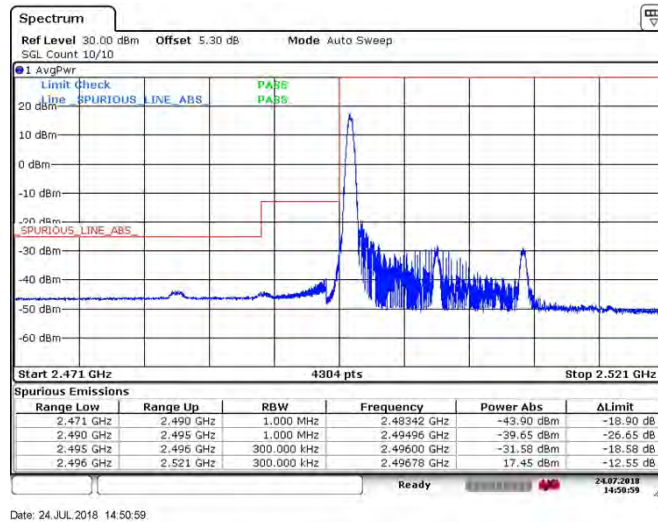
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>.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



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

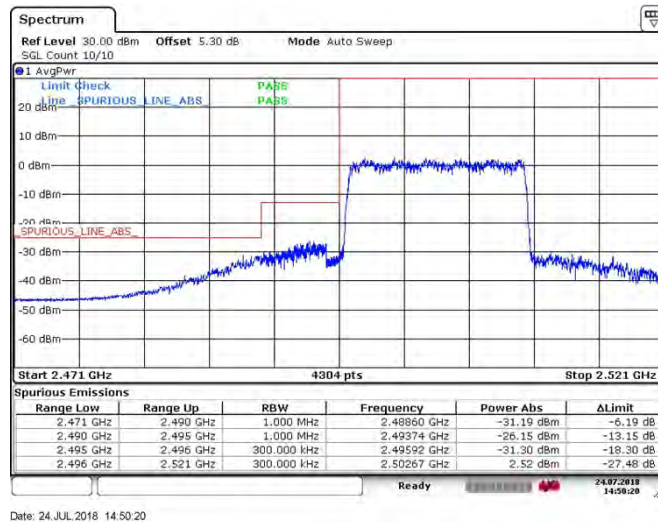
Report No.: SZEM180700654901

Page: 43 of 69



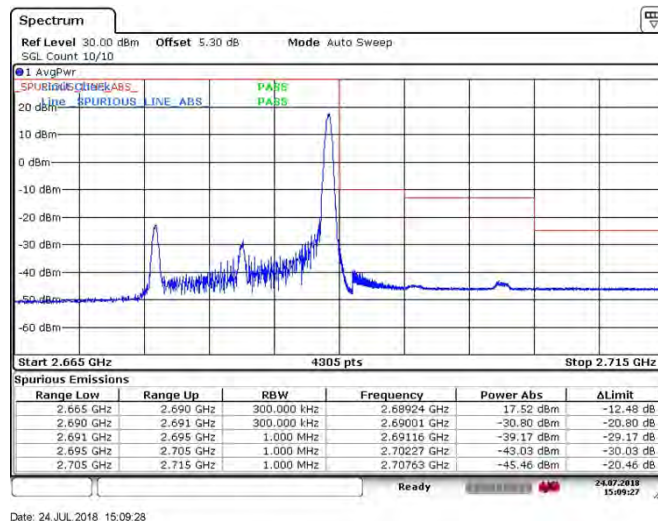
Date: 24 JUL 2018 14:50:59

## BAND 41\_15MHz\_64QAM\_39725\_75RB#0



Date: 24 JUL 2018 14:50:20

## BAND 41\_15MHz\_64QAM\_41515\_1RB#74



Date: 24 JUL 2018 15:09:28

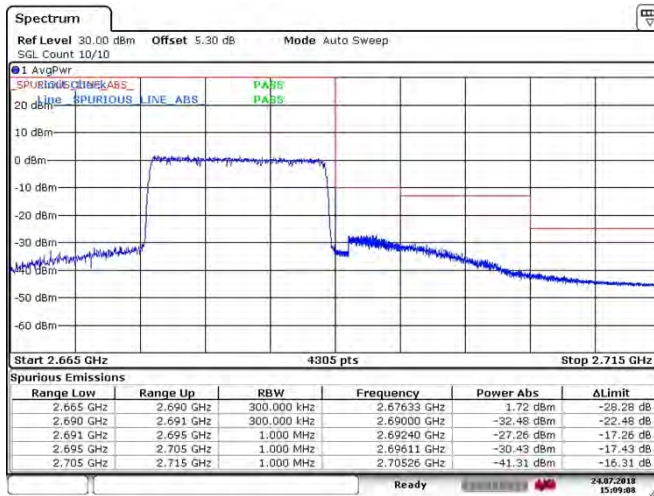
## BAND 41\_15MHz\_64QAM\_41515\_75RB#0



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

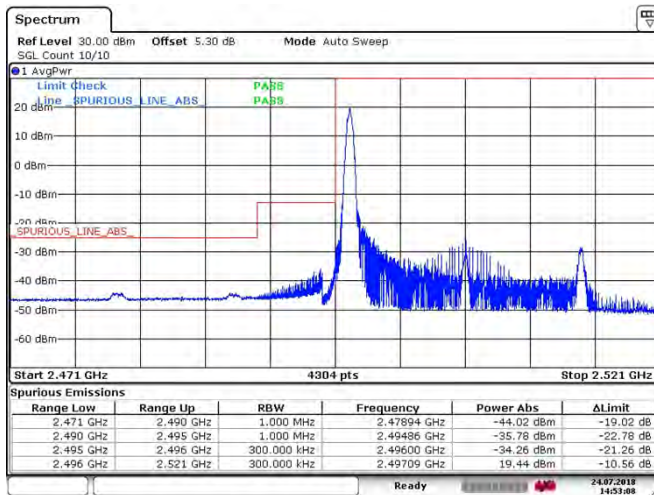
Report No.: SZEM180700654901

Page: 44 of 69



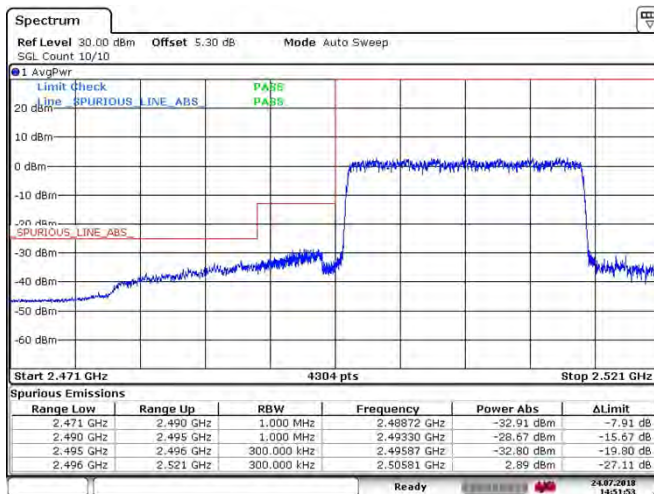
Date: 24.JUL.2018 15:09:08

## BAND 41\_20MHz\_QPSK\_39750\_1RB#0



Date: 24.JUL.2018 14:53:08

## BAND 41\_20MHz\_QPSK\_39750\_100RB#0



Date: 24.JUL.2018 14:51:53

## BAND 41\_20MHz\_QPSK\_41490\_1RB#99

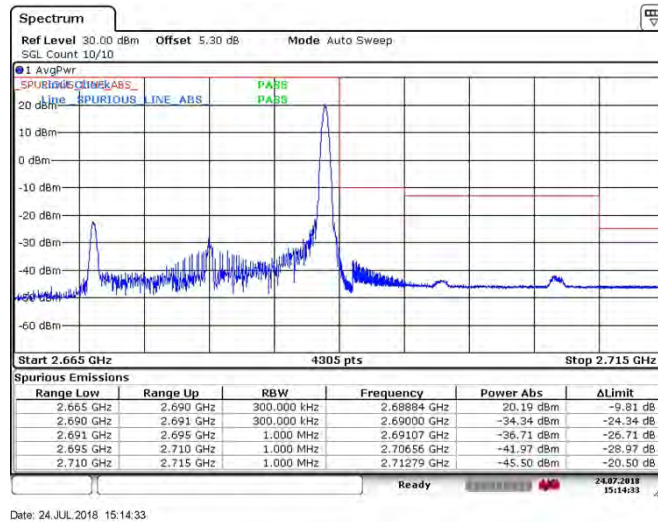
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>.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



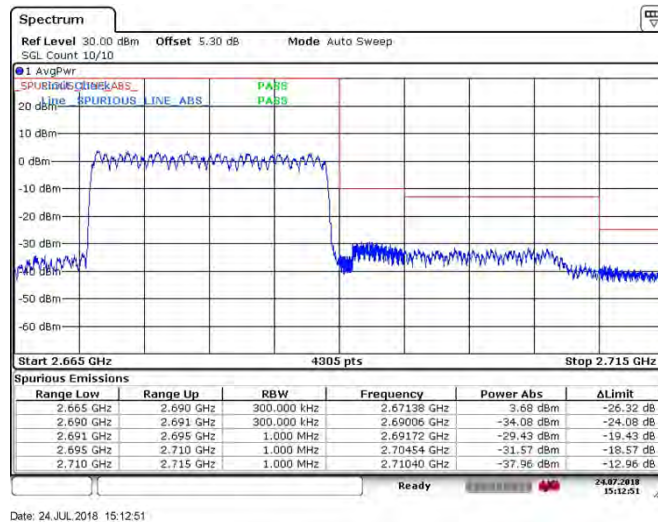
# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: SZEM180700654901

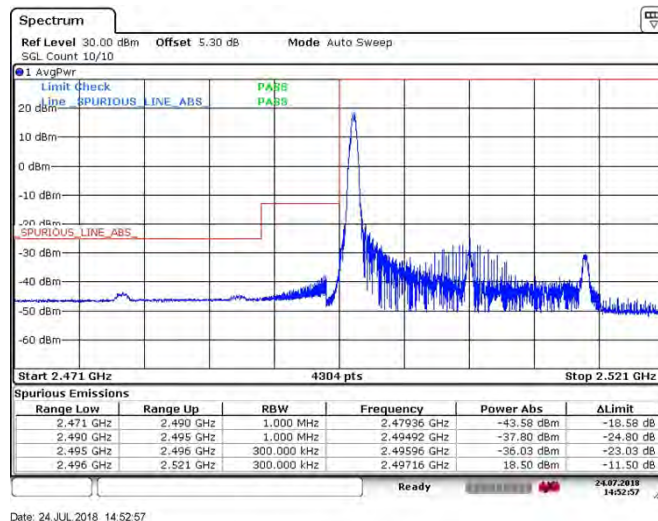
Page: 45 of 69



## BAND 41\_20MHz\_QPSK\_41490\_100RB#0



## BAND 41\_20MHz\_16QAM\_39750\_1RB#0



## BAND 41\_20MHz\_16QAM\_39750\_100RB#0

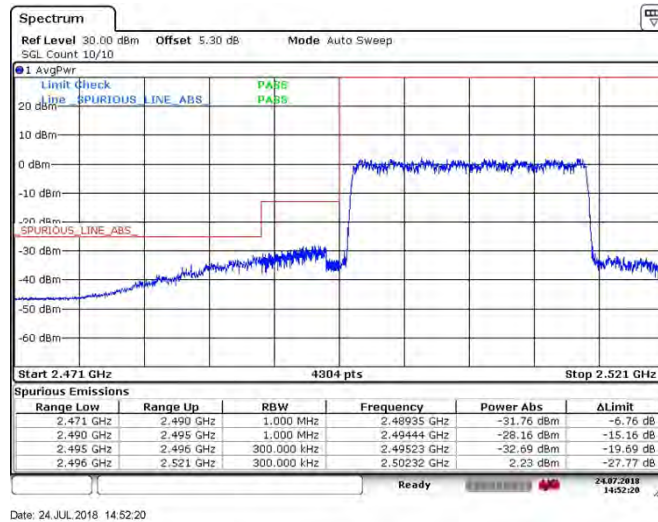
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>.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



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

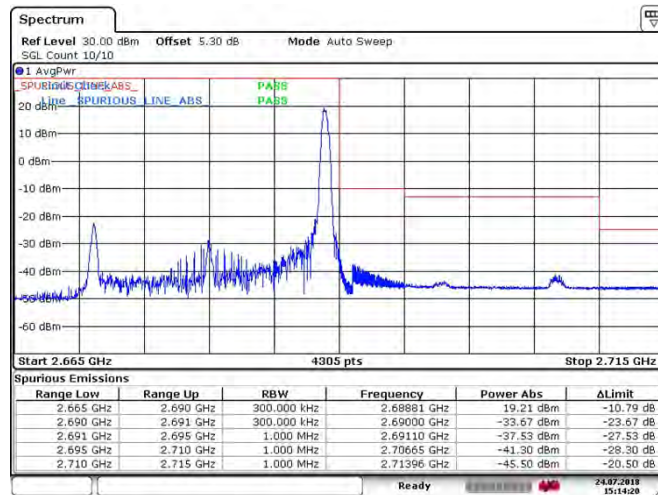
Report No.: SZEM180700654901

Page: 46 of 69



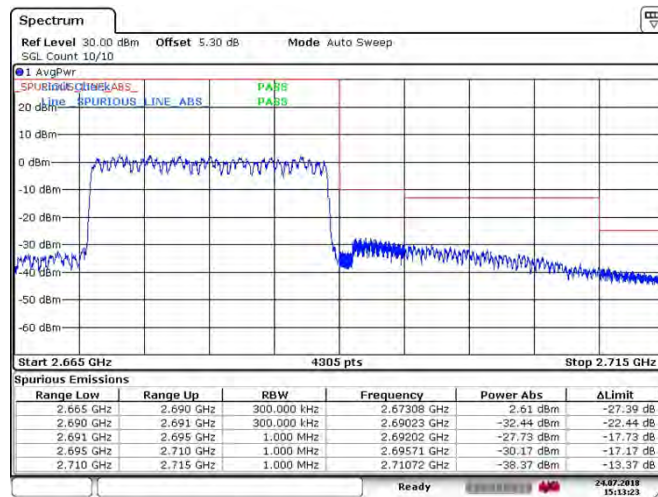
Date: 24.JUL.2018 14:52:20

## BAND 41\_20MHz\_16QAM\_41490\_1RB#99



Date: 24.JUL.2018 15:14:21

## BAND 41\_20MHz\_16QAM\_41490\_100RB#0



Date: 24.JUL.2018 15:13:23

## BAND 41\_20MHz\_64QAM\_39750\_1RB#0

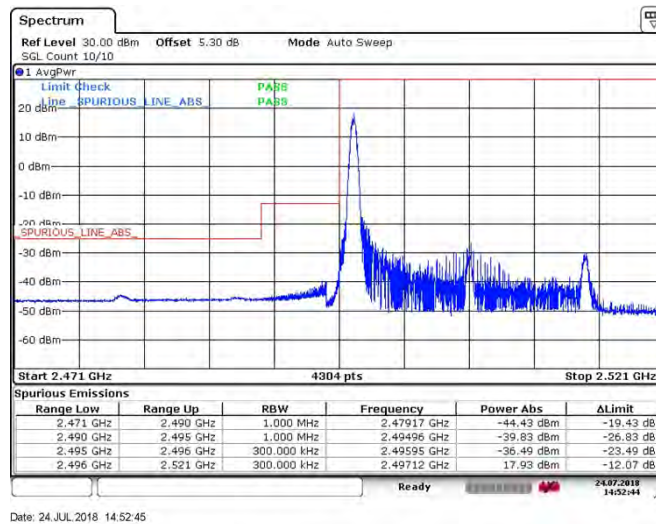
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>.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



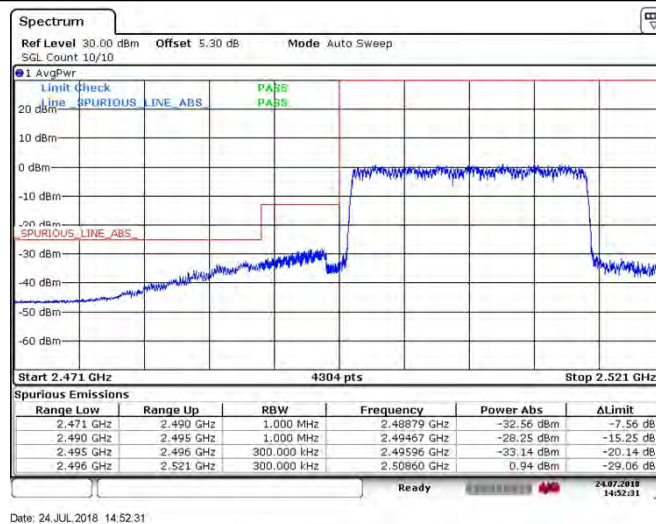
# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: SZEM180700654901

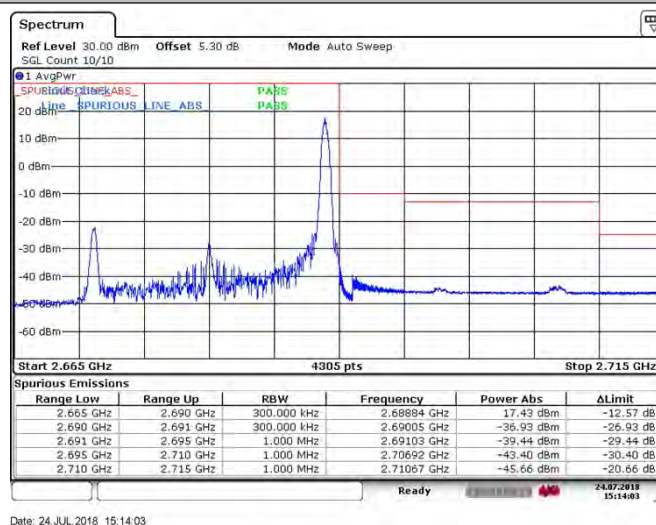
Page: 47 of 69



## BAND 41\_20MHz\_64QAM\_39750\_100RB#0



## BAND 41\_20MHz\_64QAM\_41490\_1RB#99



## BAND 41\_20MHz\_64QAM\_41490\_100RB#0

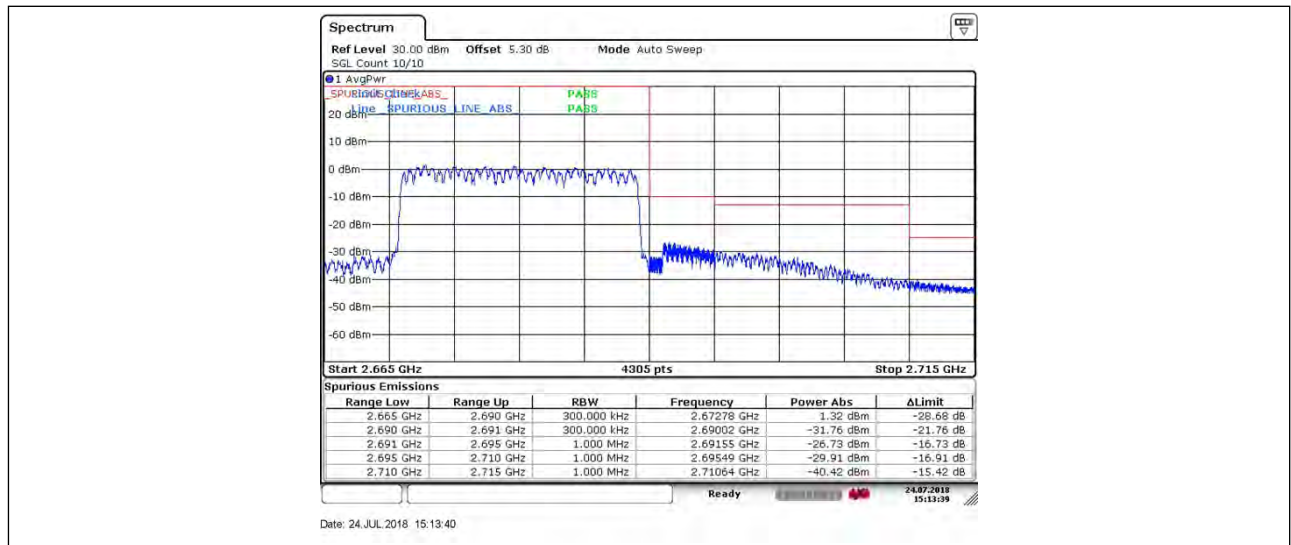
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>.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



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

Report No.: SZEM180700654901

Page: 48 of 69



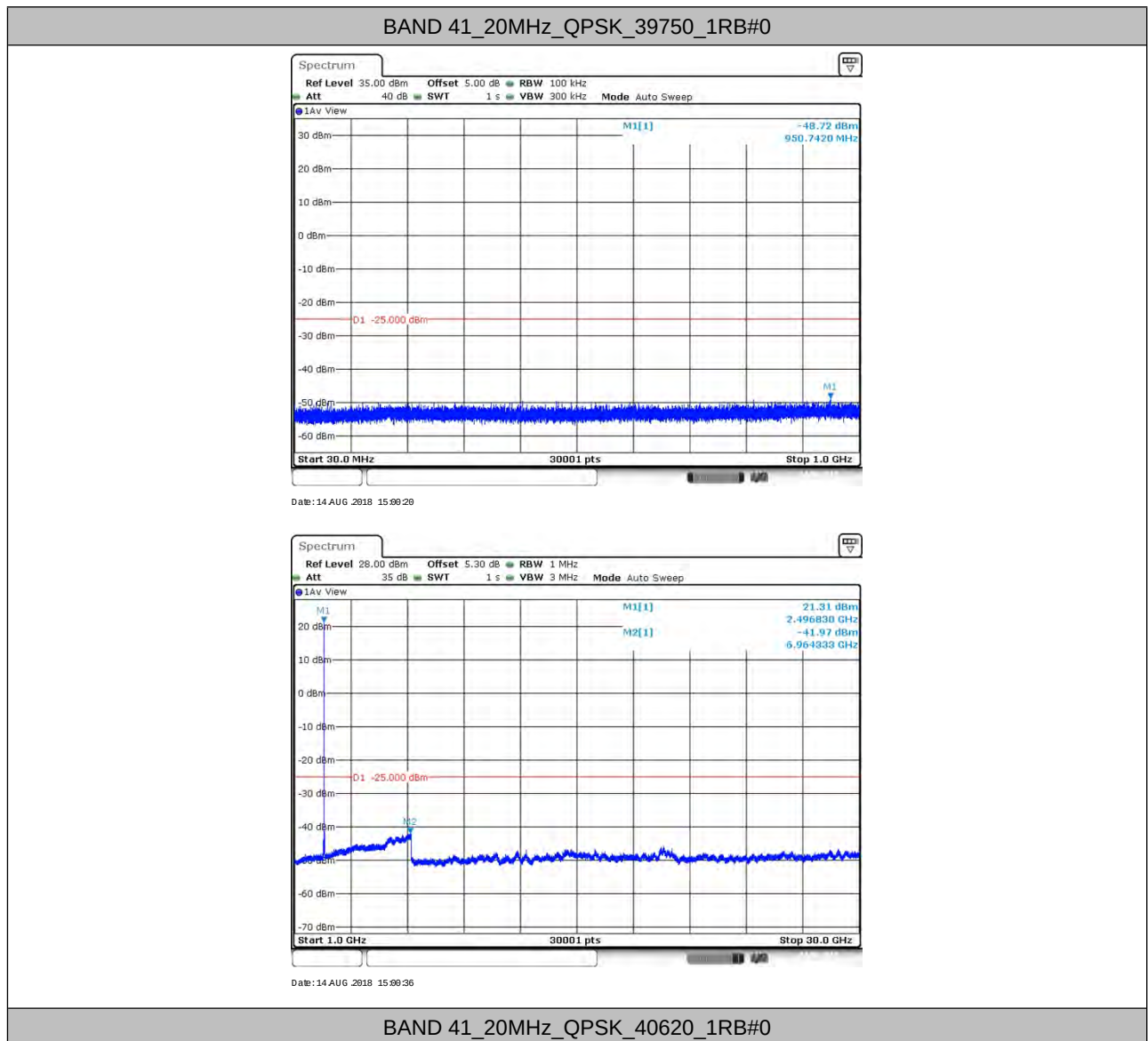


## 6. Spurious Emission at Antenna Terminal

NOTE1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of  $< RBW/2$  so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points =  $k * (Span / RBW)$ " with  $k$  between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

NOTE2: only the worst case data displayed in this report.

### 6.1. Test Plots

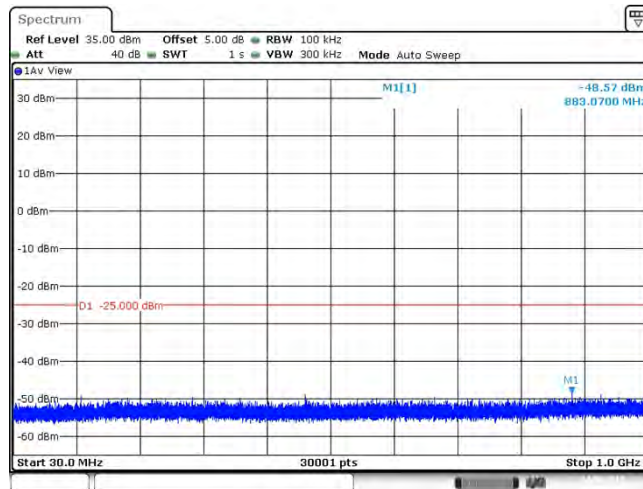




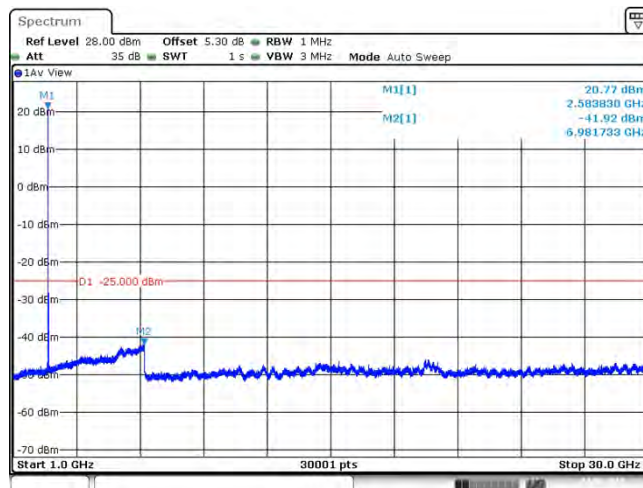
# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: SZEM180700654901

Page: 50 of 69

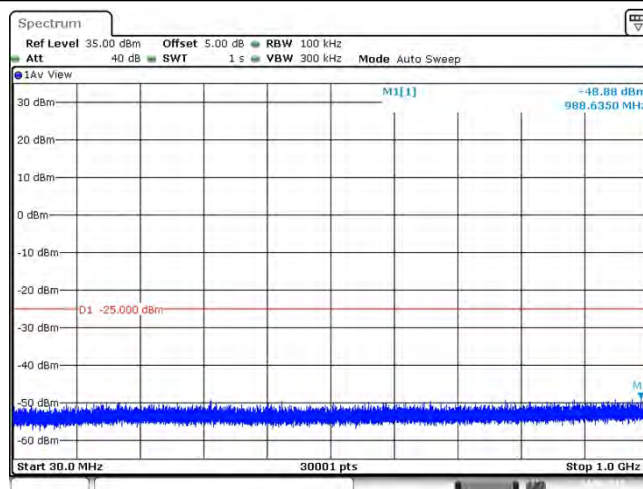


Date: 14 AUG 2018 15:01:29



Date: 14 AUG 2018 15:01:45

## BAND 41\_20MHz\_QPSK\_41490\_1RB#0



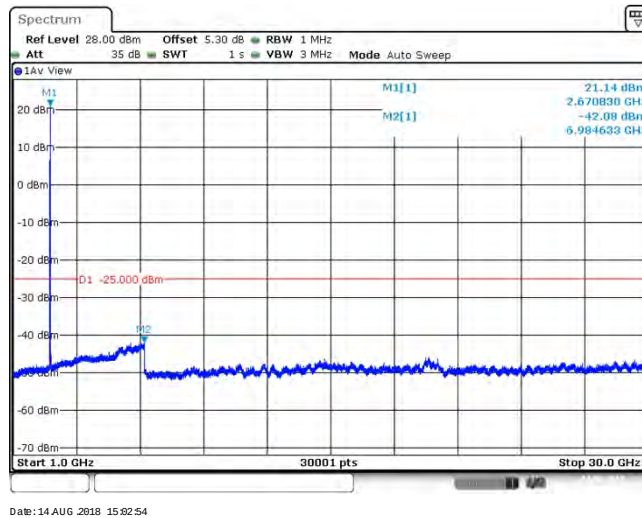
Date: 14 AUG 2018 15:02:38



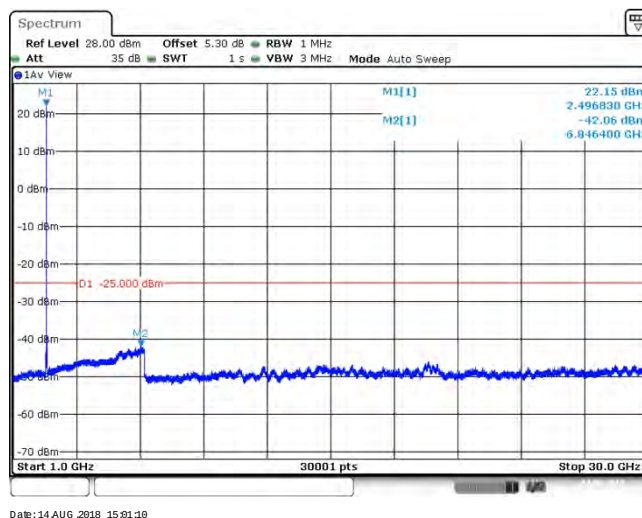
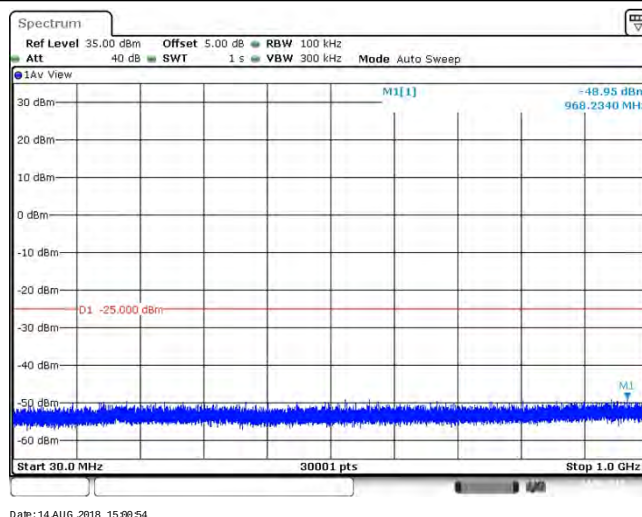
# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: SZEM180700654901

Page: 51 of 69



BAND 41\_20MHz\_16QAM\_39750\_1RB#0



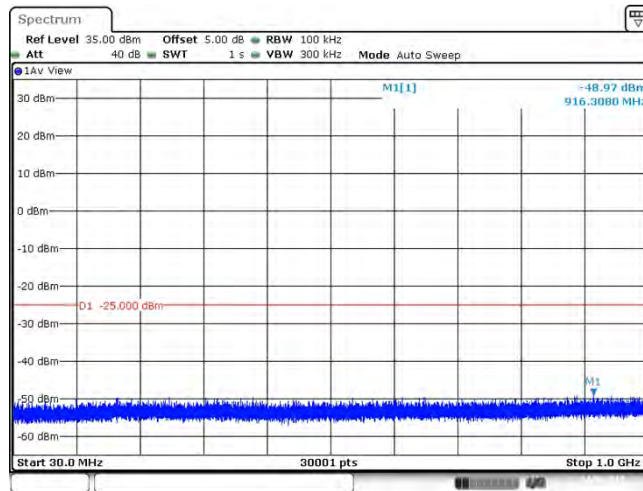
BAND 41\_20MHz\_16QAM\_40620\_1RB#0



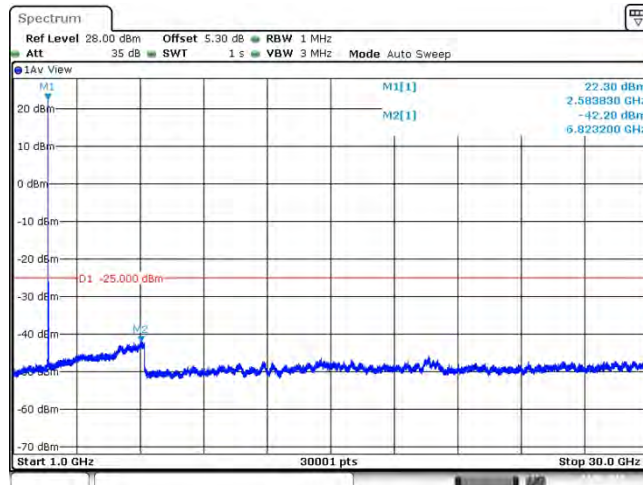
# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: SZEM180700654901

Page: 52 of 69

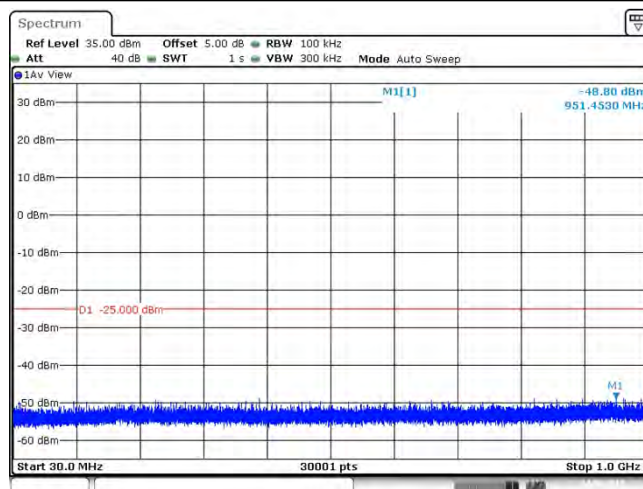


Date: 14 AUG 2018 15:02:02



Date: 14 AUG 2018 15:02:18

## BAND 41\_20MHz\_16QAM\_41490\_1RB#0



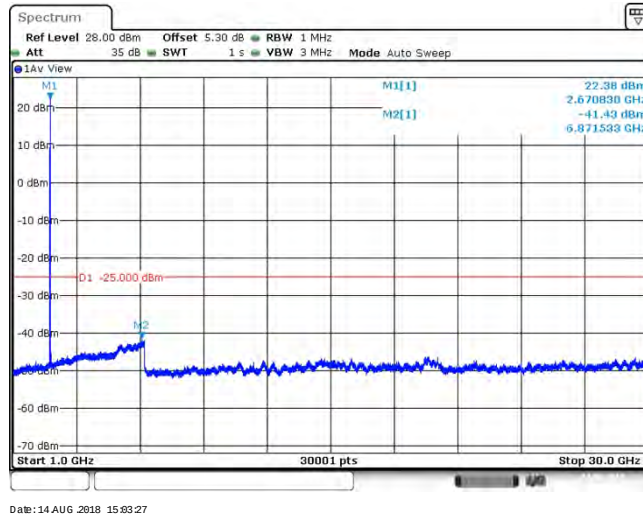
Date: 14 AUG 2018 15:03:11



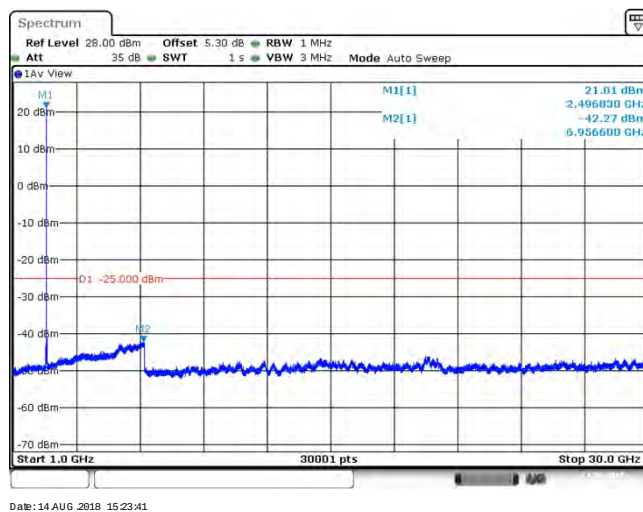
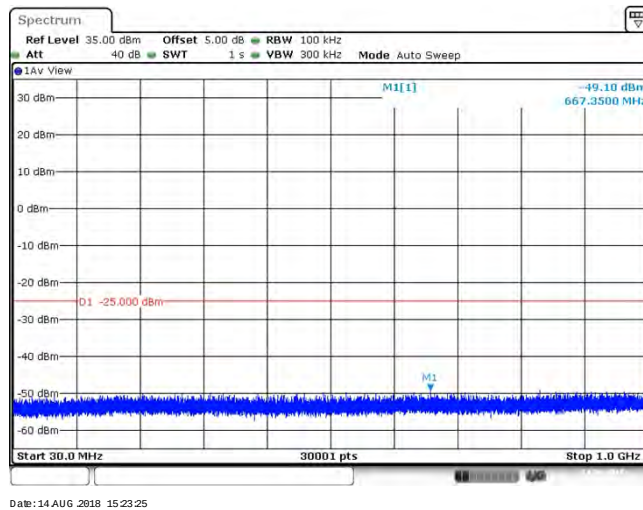
# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: SZEM180700654901

Page: 53 of 69



BAND 41\_20MHz\_64QAM\_39750\_1RB#0



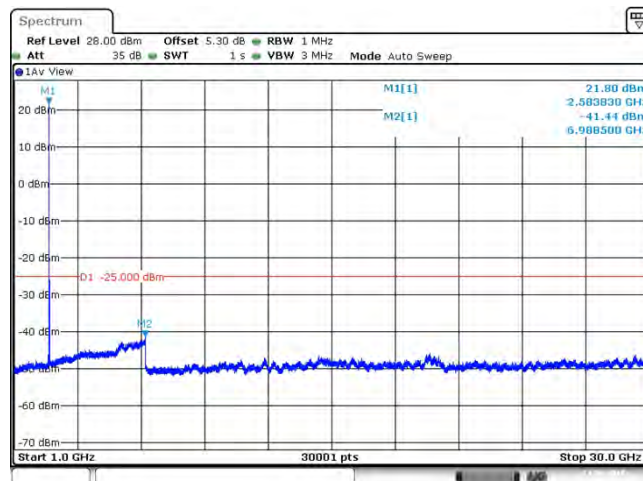
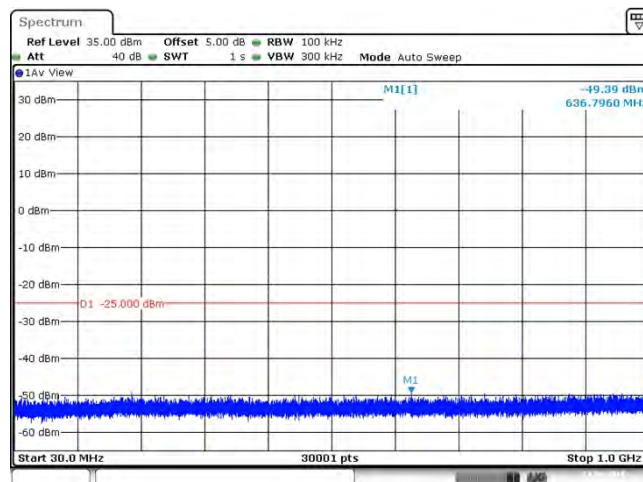
BAND 41\_20MHz\_64QAM\_40620\_1RB#0



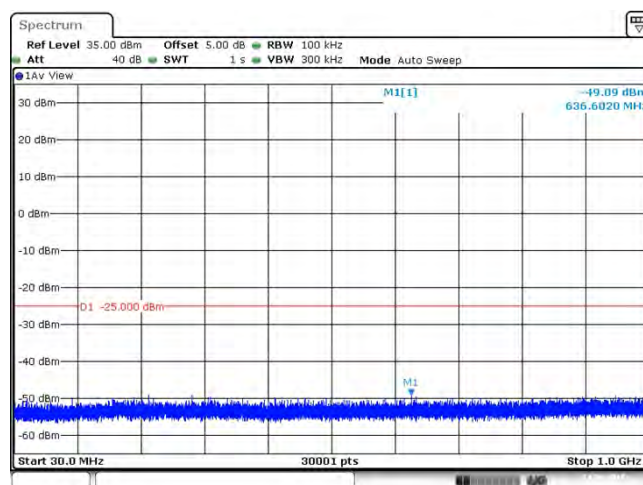
# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: SZEM180700654901

Page: 54 of 69



## BAND 41\_20MHz\_64QAM\_41490\_1RB#0

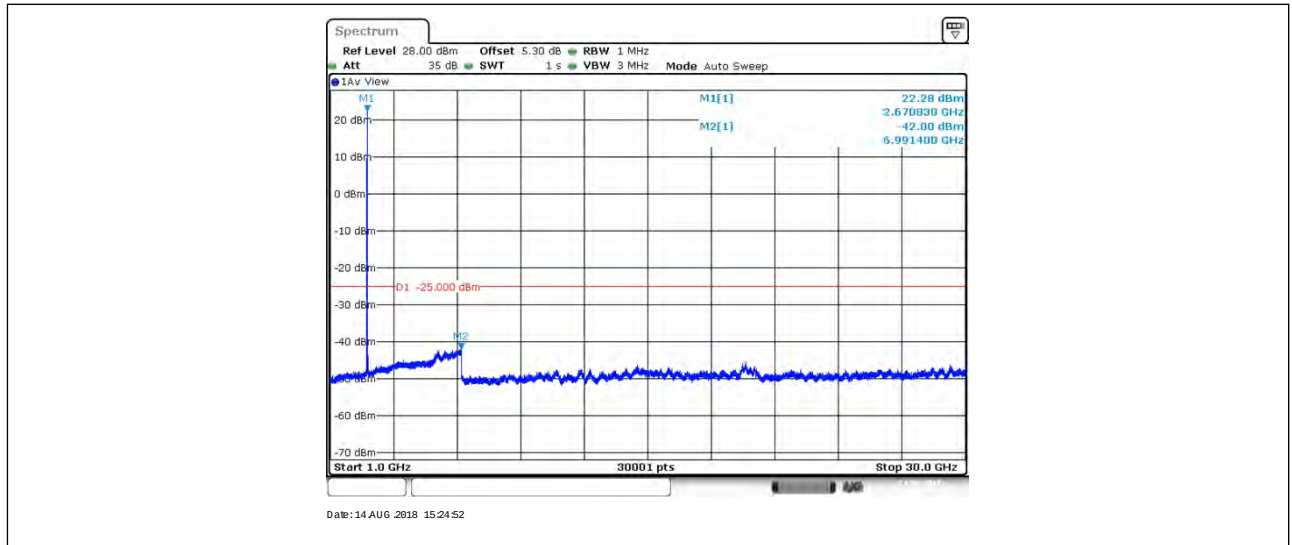




**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZEM180700654901

Page: 55 of 69



## 7. Field Strength of Spurious Radiation

### 7.1. Test BAND = LTE BAND 41-Main Antenna

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

##### 7.1.1.1. Test Channel = LCH\_H

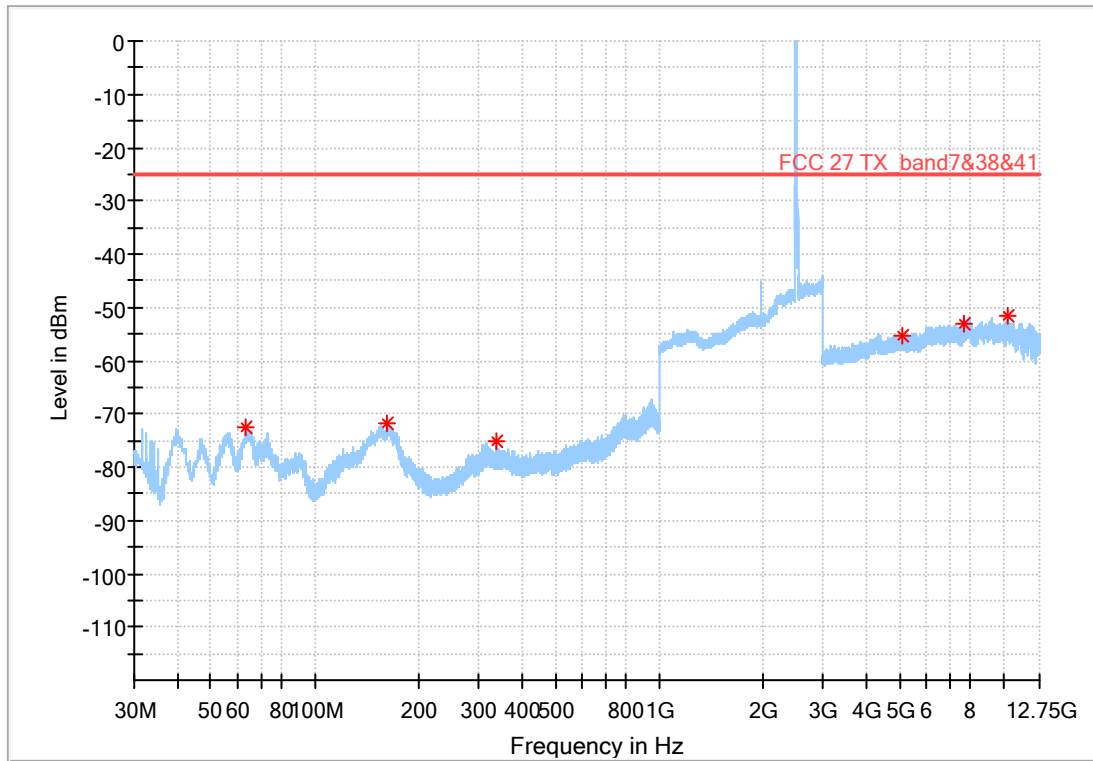
Full Spectrum





### 7.1.1.2. Test Channel = LCH\_V

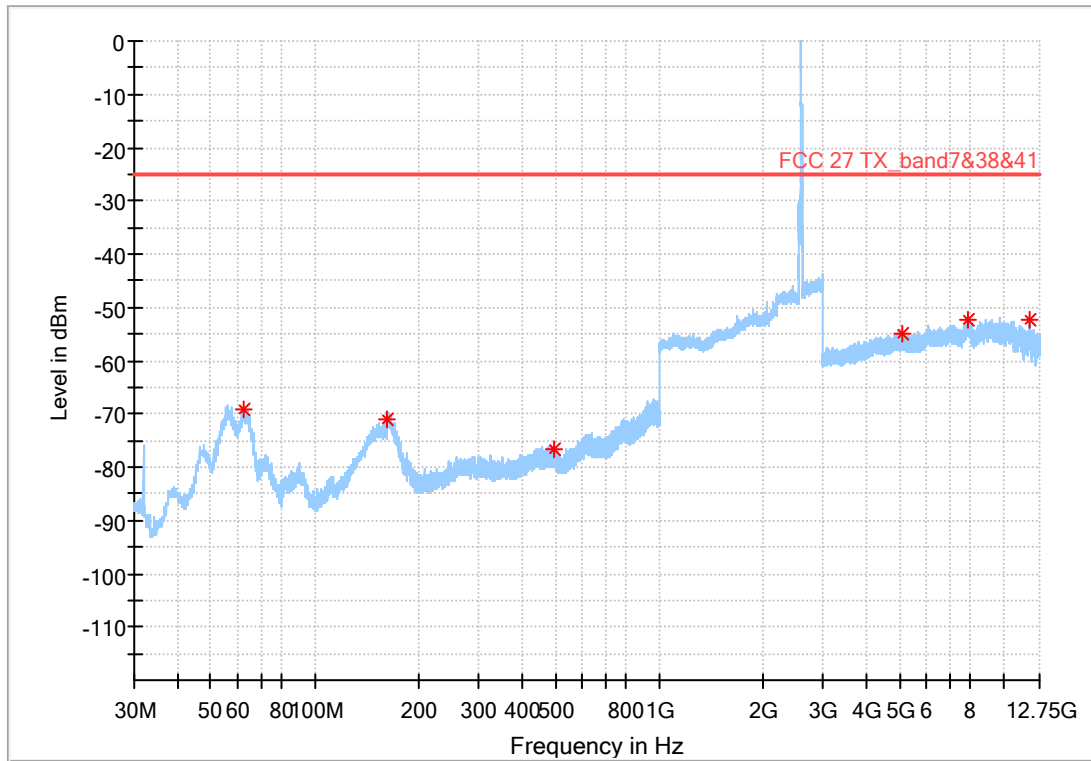
Full Spectrum





### 7.1.1.3. Test Channel = MCH\_H

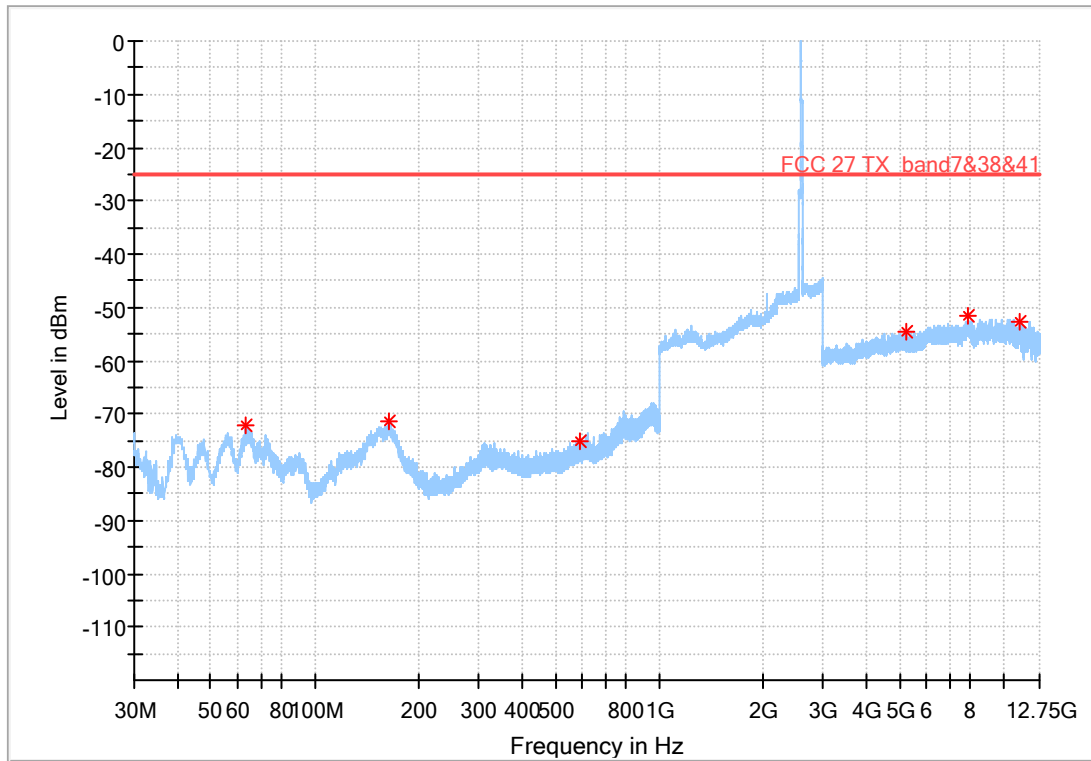
Full Spectrum





#### 7.1.1.4. Test Channel = MCH\_V

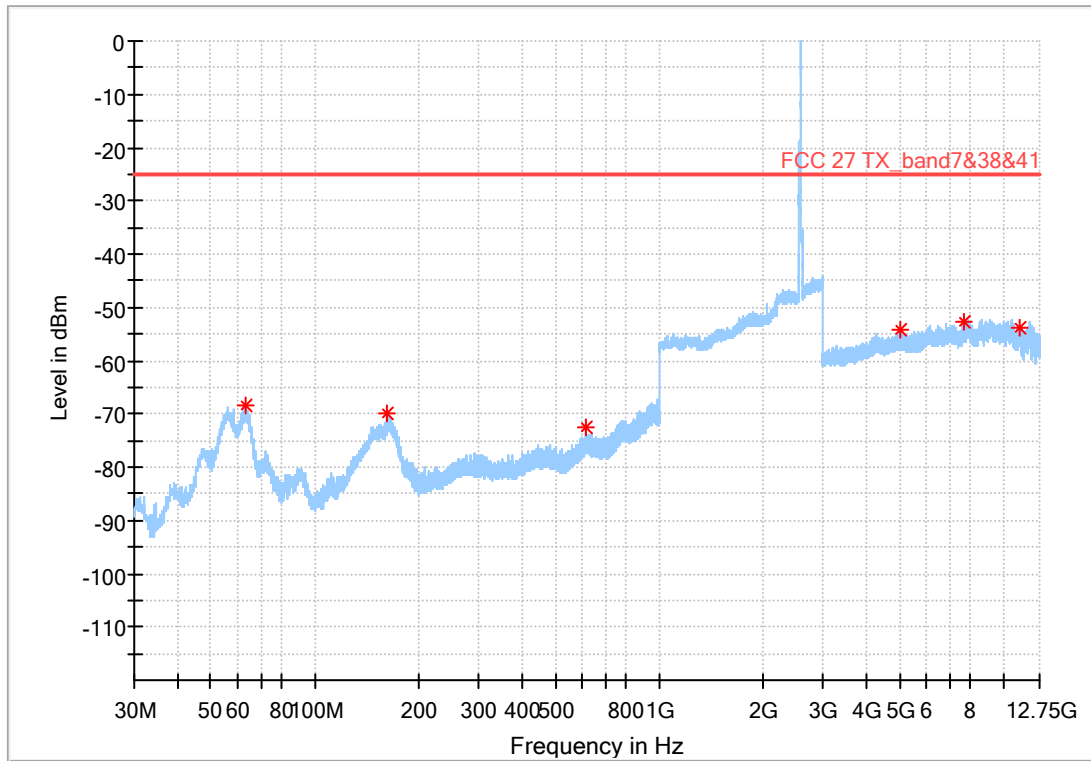
Full Spectrum





#### 7.1.1.5. Test Channel = HCH\_H

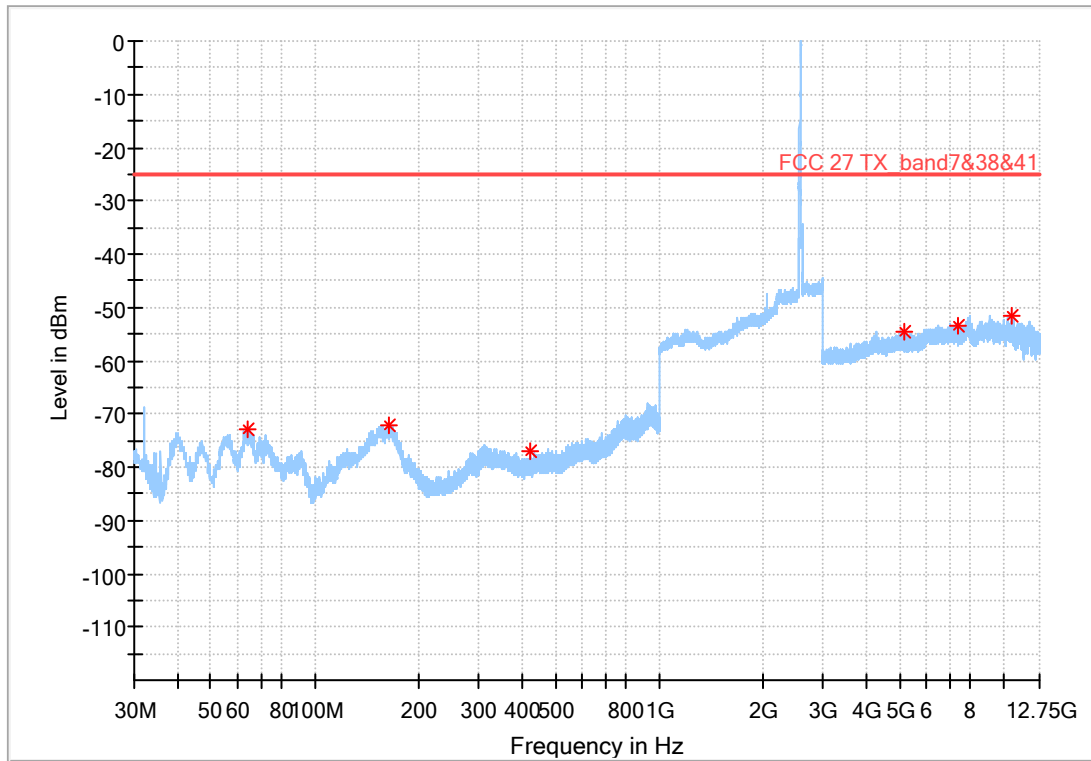
Full Spectrum





#### 7.1.1.6. Test Channel = HCH\_V

Full Spectrum



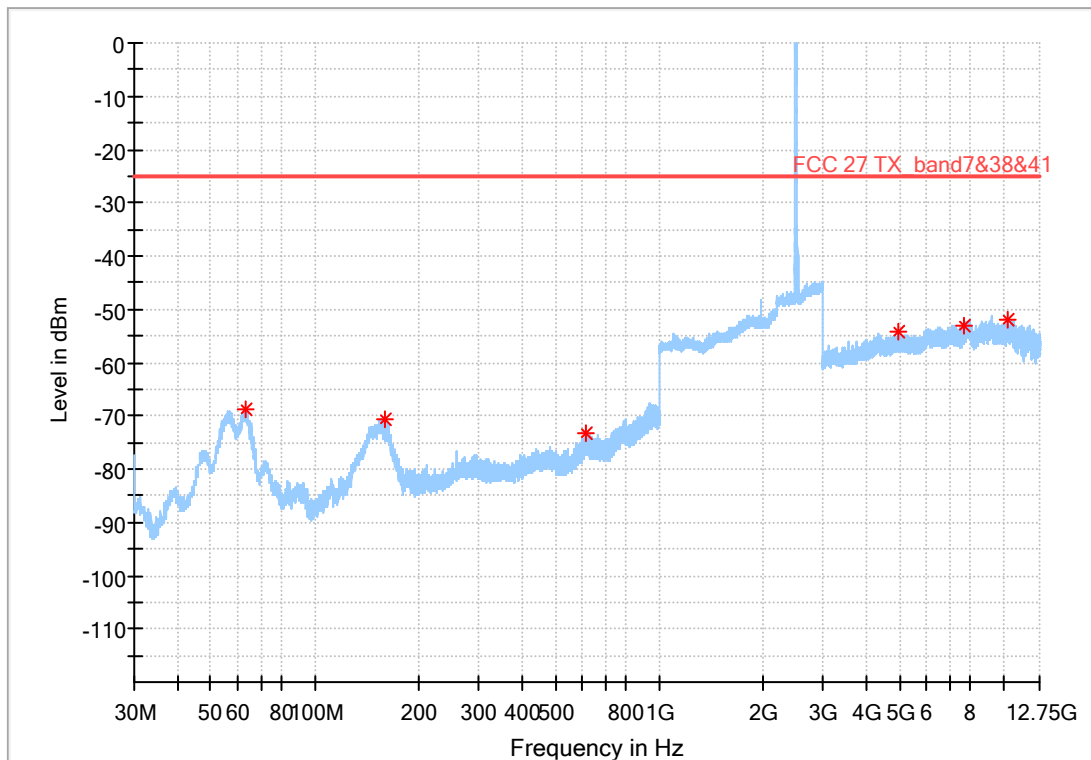


## 7.2. Test BAND = LTE BAND 41-Second Antenna

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

#### 7.2.1.1. Test Channel = LCH\_H

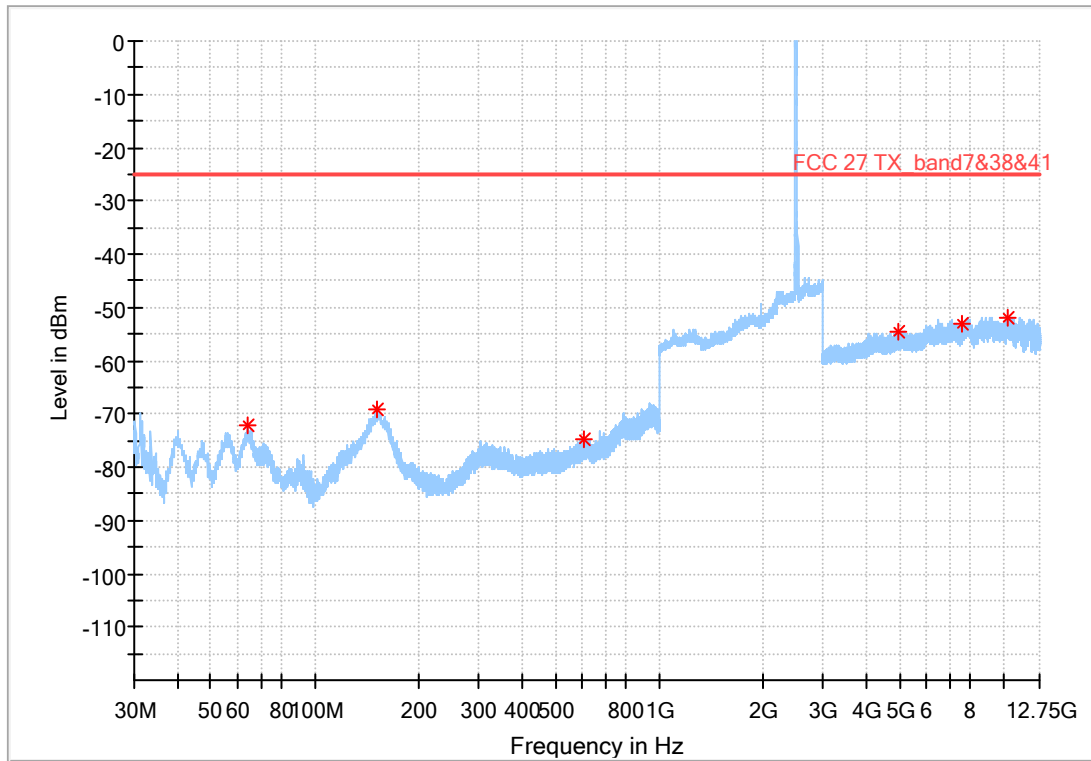
Full Spectrum





### 7.2.1.2. Test Channel = LCH\_V

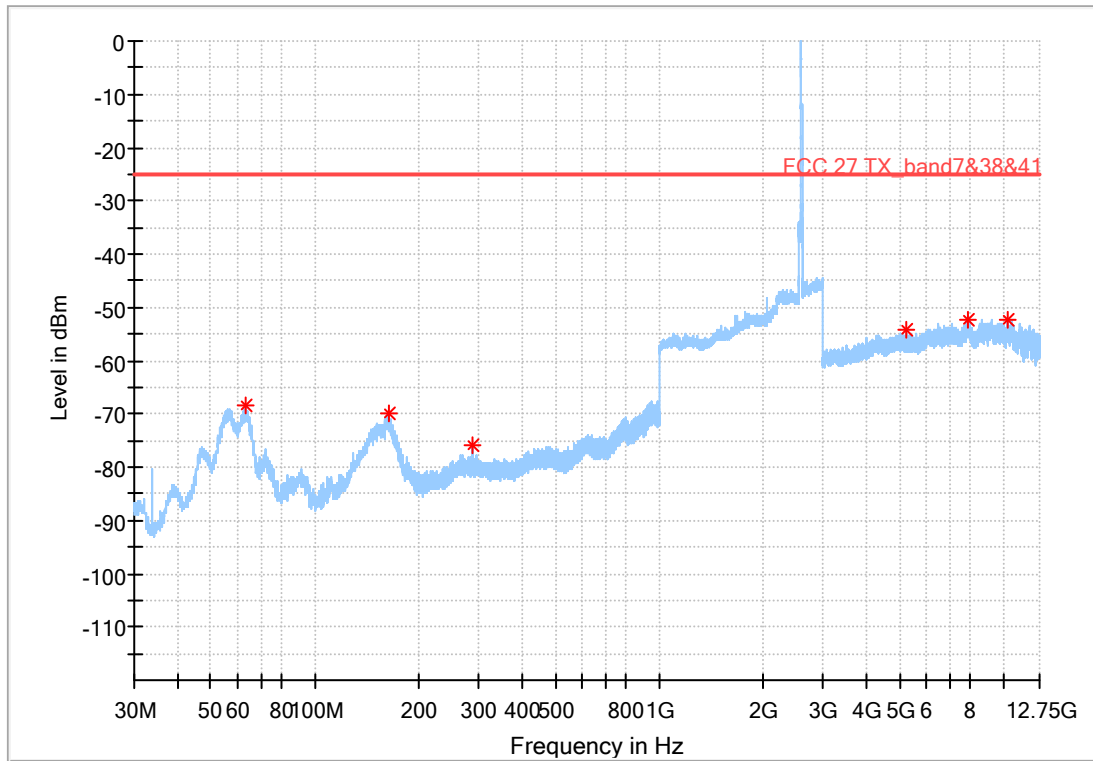
Full Spectrum





### 7.2.1.3. Test Channel = MCH\_H

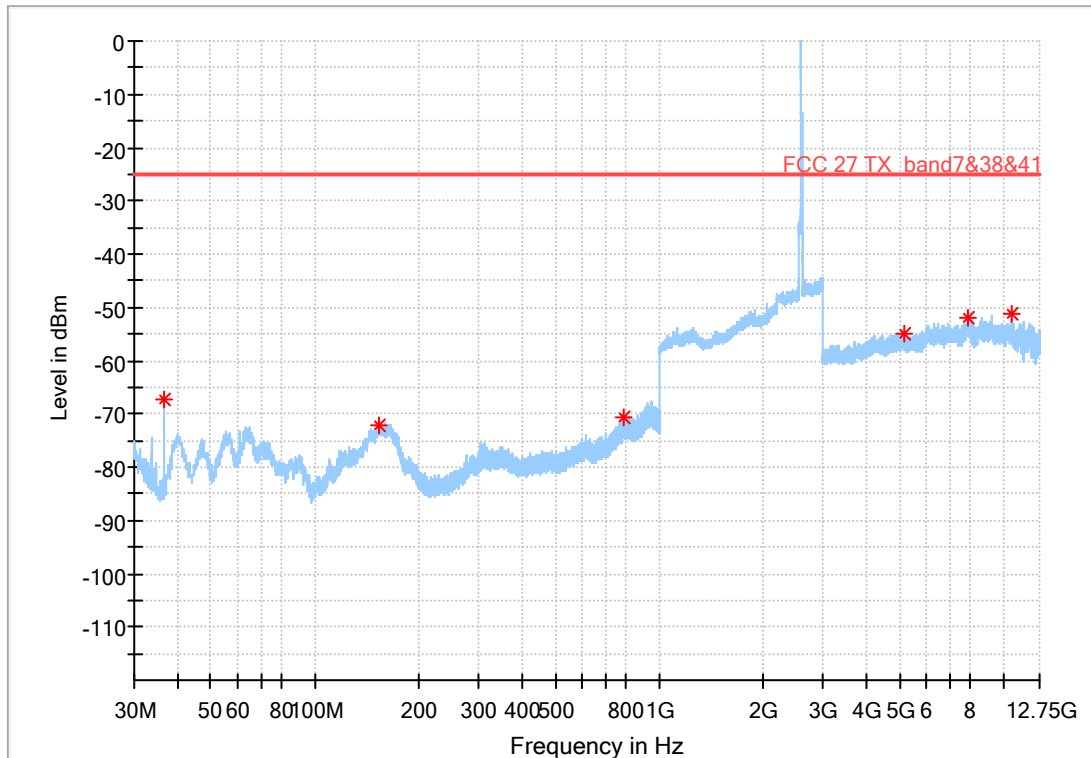
Full Spectrum





#### 7.2.1.4. Test Channel = MCH\_V

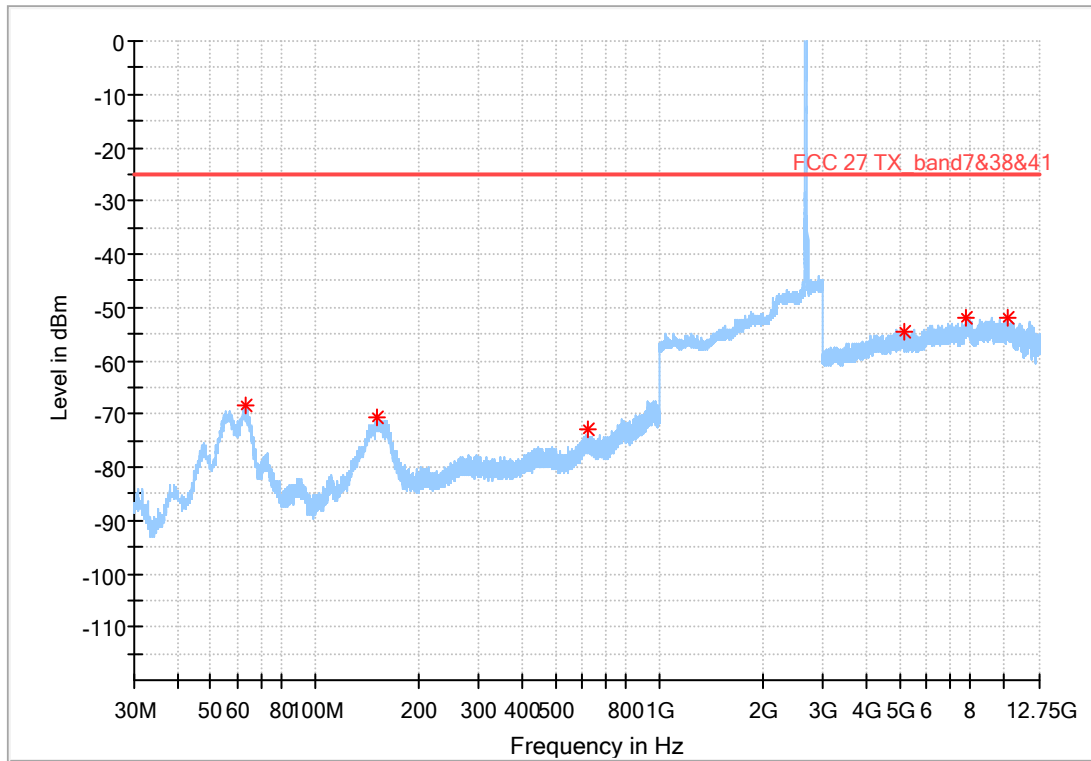
Full Spectrum





### 7.2.1.5. Test Channel = HCH\_H

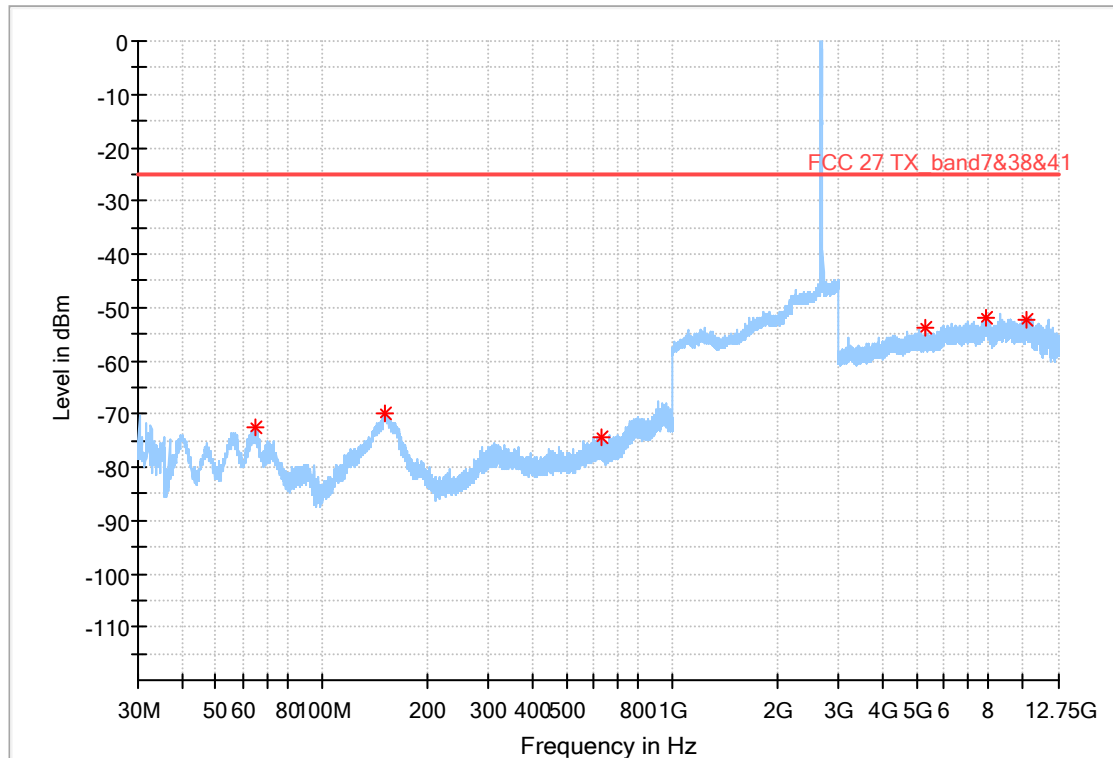
Full Spectrum





#### 7.2.1.6. Test Channel = HCH\_V

Full Spectrum



#### NOTE:

- 1) All modes are tested, but the data presented above is the worst case. the disturbance above 12.75GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worse case had been displayed.
- 2) We have tested all modulation and all Bandwidth, but only the worst case data presented in this report.



## 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 |
| BAND41  | 20MHz     | QPSK       | 39750   | 100RB#0      | VL            | NT               | -0.20          | -0.000080       | ±2.5        | PASS    |
| BAND41  | 20MHz     | QPSK       | 39750   | 100RB#0      | VN            | NT               | 0.30           | 0.000120        | ±2.5        | PASS    |
| BAND41  | 20MHz     | QPSK       | 39750   | 100RB#0      | VH            | NT               | 0.30           | 0.000120        | ±2.5        | PASS    |
| BAND41  | 20MHz     | QPSK       | 40620   | 100RB#0      | VL            | NT               | -10.10         | -0.003895       | ±2.5        | PASS    |
| BAND41  | 20MHz     | QPSK       | 40620   | 100RB#0      | VN            | NT               | -10.40         | -0.004011       | ±2.5        | PASS    |
| BAND41  | 20MHz     | QPSK       | 40620   | 100RB#0      | VH            | NT               | -10.60         | -0.004088       | ±2.5        | PASS    |
| BAND41  | 20MHz     | QPSK       | 41490   | 100RB#0      | VL            | NT               | -21.20         | -0.007910       | ±2.5        | PASS    |
| BAND41  | 20MHz     | QPSK       | 41490   | 100RB#0      | VN            | NT               | -19.40         | -0.007239       | ±2.5        | PASS    |
| BAND41  | 20MHz     | QPSK       | 41490   | 100RB#0      | VH            | NT               | -19.50         | -0.007276       | ±2.5        | PASS    |
| BAND41  | 20MHz     | 64QAM      | 39750   | 100RB#0      | VL            | NT               | 5.60           | 0.002235        | ±2.5        | PASS    |
| BAND41  | 20MHz     | 64QAM      | 39750   | 100RB#0      | VN            | NT               | 5.90           | 0.002354        | ±2.5        | PASS    |
| BAND41  | 20MHz     | 64QAM      | 39750   | 100RB#0      | VH            | NT               | 7.60           | 0.003033        | ±2.5        | PASS    |
| BAND41  | 20MHz     | 64QAM      | 40620   | 100RB#0      | VL            | NT               | -10.70         | -0.004126       | ±2.5        | PASS    |
| BAND41  | 20MHz     | 64QAM      | 40620   | 100RB#0      | VN            | NT               | -10.10         | -0.003895       | ±2.5        | PASS    |
| BAND41  | 20MHz     | 64QAM      | 40620   | 100RB#0      | VH            | NT               | -10.10         | -0.003895       | ±2.5        | PASS    |
| BAND41  | 20MHz     | 64QAM      | 41490   | 100RB#0      | VL            | NT               | -19.30         | -0.007201       | ±2.5        | PASS    |
| BAND41  | 20MHz     | 64QAM      | 41490   | 100RB#0      | VN            | NT               | -20.20         | -0.007537       | ±2.5        | PASS    |
| BAND41  | 20MHz     | 64QAM      | 41490   | 100RB#0      | VH            | NT               | -20.00         | -0.007463       | ±2.5        | PASS    |
| BAND41  | 20MHz     | 16QAM      | 39750   | 100RB#0      | VL            | NT               | -1.10          | -0.000439       | ±2.5        | PASS    |
| BAND41  | 20MHz     | 16QAM      | 39750   | 100RB#0      | VN            | NT               | -0.50          | -0.000200       | ±2.5        | PASS    |
| BAND41  | 20MHz     | 16QAM      | 39750   | 100RB#0      | VH            | NT               | 0.10           | 0.000040        | ±2.5        | PASS    |
| BAND41  | 20MHz     | 16QAM      | 40620   | 100RB#0      | VL            | NT               | -11.00         | -0.004242       | ±2.5        | PASS    |
| BAND41  | 20MHz     | 16QAM      | 40620   | 100RB#0      | VN            | NT               | -10.20         | -0.003934       | ±2.5        | PASS    |
| BAND41  | 20MHz     | 16QAM      | 40620   | 100RB#0      | VH            | NT               | -11.20         | -0.004319       | ±2.5        | PASS    |
| BAND41  | 20MHz     | 16QAM      | 41490   | 100RB#0      | VL            | NT               | -20.00         | -0.007463       | ±2.5        | PASS    |
| BAND41  | 20MHz     | 16QAM      | 41490   | 100RB#0      | VN            | NT               | -21.30         | -0.007948       | ±2.5        | PASS    |
| BAND41  | 20MHz     | 16QAM      | 41490   | 100RB#0      | VH            | NT               | -20.30         | -0.007575       | ±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 |
| BAND41      | 20MHz     | QPSK       | 39750   | 100RB#0      | NV            | -30              | 1.20           | 0.000479        | ±2.5        | PASS    |
| BAND41      | 20MHz     | QPSK       | 39750   | 100RB#0      | NV            | -20              | -0.30          | -0.000120       | ±2.5        | PASS    |
| BAND41      | 20MHz     | QPSK       | 39750   | 100RB#0      | NV            | 0                | -1.20          | -0.000479       | ±2.5        | PASS    |
| BAND41      | 20MHz     | QPSK       | 39750   | 100RB#0      | NV            | 10               | -1.30          | -0.000519       | ±2.5        | PASS    |
| BAND41      | 20MHz     | QPSK       | 39750   | 100RB#0      | NV            | 20               | -0.20          | -0.000080       | ±2.5        | PASS    |
| BAND41      | 20MHz     | QPSK       | 40620   | 100RB#0      | NV            | -30              | -10.40         | -0.004011       | ±2.5        | PASS    |
| BAND41      | 20MHz     | QPSK       | 40620   | 100RB#0      | NV            | -20              | -10.90         | -0.004204       | ±2.5        | PASS    |
| BAND41      | 20MHz     | QPSK       | 40620   | 100RB#0      | NV            | 0                | -10.30         | -0.003972       | ±2.5        | PASS    |
| BAND41      | 20MHz     | QPSK       | 40620   | 100RB#0      | NV            | 10               | -11.50         | -0.004435       | ±2.5        | PASS    |

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.



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

Report No.: SZEM180700654901

Page: 69 of 69

|        |       |       |       |         |    |     |        |           |      |      |
|--------|-------|-------|-------|---------|----|-----|--------|-----------|------|------|
| BAND41 | 20MHz | QPSK  | 40620 | 100RB#0 | NV | 20  | -10.20 | -0.003934 | ±2.5 | PASS |
| BAND41 | 20MHz | QPSK  | 41490 | 100RB#0 | NV | -30 | -19.50 | -0.007276 | ±2.5 | PASS |
| BAND41 | 20MHz | QPSK  | 41490 | 100RB#0 | NV | -20 | -21.40 | -0.007985 | ±2.5 | PASS |
| BAND41 | 20MHz | QPSK  | 41490 | 100RB#0 | NV | 0   | -19.50 | -0.007276 | ±2.5 | PASS |
| BAND41 | 20MHz | QPSK  | 41490 | 100RB#0 | NV | 10  | -20.30 | -0.007575 | ±2.5 | PASS |
| BAND41 | 20MHz | QPSK  | 41490 | 100RB#0 | NV | 20  | -21.00 | -0.007836 | ±2.5 | PASS |
| BAND41 | 20MHz | 64QAM | 39750 | 100RB#0 | NV | -30 | 4.80   | 0.001915  | ±2.5 | PASS |
| BAND41 | 20MHz | 64QAM | 39750 | 100RB#0 | NV | -20 | 6.20   | 0.002474  | ±2.5 | PASS |
| BAND41 | 20MHz | 64QAM | 39750 | 100RB#0 | NV | 0   | 5.60   | 0.002235  | ±2.5 | PASS |
| BAND41 | 20MHz | 64QAM | 39750 | 100RB#0 | NV | 10  | 6.40   | 0.002554  | ±2.5 | PASS |
| BAND41 | 20MHz | 64QAM | 39750 | 100RB#0 | NV | 20  | 5.90   | 0.002354  | ±2.5 | PASS |
| BAND41 | 20MHz | 64QAM | 40620 | 100RB#0 | NV | -30 | -10.70 | -0.004126 | ±2.5 | PASS |
| BAND41 | 20MHz | 64QAM | 40620 | 100RB#0 | NV | -20 | -11.30 | -0.004358 | ±2.5 | PASS |
| BAND41 | 20MHz | 64QAM | 40620 | 100RB#0 | NV | 0   | -10.10 | -0.003895 | ±2.5 | PASS |
| BAND41 | 20MHz | 64QAM | 40620 | 100RB#0 | NV | 10  | -9.60  | -0.003702 | ±2.5 | PASS |
| BAND41 | 20MHz | 64QAM | 40620 | 100RB#0 | NV | 20  | -11.00 | -0.004242 | ±2.5 | PASS |
| BAND41 | 20MHz | 64QAM | 41490 | 100RB#0 | NV | -30 | -20.20 | -0.007537 | ±2.5 | PASS |
| BAND41 | 20MHz | 64QAM | 41490 | 100RB#0 | NV | -20 | -21.00 | -0.007836 | ±2.5 | PASS |
| BAND41 | 20MHz | 64QAM | 41490 | 100RB#0 | NV | 0   | -20.00 | -0.007463 | ±2.5 | PASS |
| BAND41 | 20MHz | 64QAM | 41490 | 100RB#0 | NV | 10  | -19.70 | -0.007351 | ±2.5 | PASS |
| BAND41 | 20MHz | 64QAM | 41490 | 100RB#0 | NV | 20  | -20.00 | -0.007463 | ±2.5 | PASS |
| BAND41 | 20MHz | 16QAM | 39750 | 100RB#0 | NV | -30 | 0.00   | 0.000000  | ±2.5 | PASS |
| BAND41 | 20MHz | 16QAM | 39750 | 100RB#0 | NV | -20 | 0.50   | 0.000200  | ±2.5 | PASS |
| BAND41 | 20MHz | 16QAM | 39750 | 100RB#0 | NV | 0   | 0.00   | 0.000000  | ±2.5 | PASS |
| BAND41 | 20MHz | 16QAM | 39750 | 100RB#0 | NV | 10  | -0.30  | -0.000120 | ±2.5 | PASS |
| BAND41 | 20MHz | 16QAM | 39750 | 100RB#0 | NV | 20  | 0.20   | 0.000080  | ±2.5 | PASS |
| BAND41 | 20MHz | 16QAM | 40620 | 100RB#0 | NV | -30 | -11.10 | -0.004281 | ±2.5 | PASS |
| BAND41 | 20MHz | 16QAM | 40620 | 100RB#0 | NV | -20 | -10.90 | -0.004204 | ±2.5 | PASS |
| BAND41 | 20MHz | 16QAM | 40620 | 100RB#0 | NV | 0   | -11.00 | -0.004242 | ±2.5 | PASS |
| BAND41 | 20MHz | 16QAM | 40620 | 100RB#0 | NV | 10  | -11.70 | -0.004512 | ±2.5 | PASS |
| BAND41 | 20MHz | 16QAM | 40620 | 100RB#0 | NV | 20  | -12.10 | -0.004666 | ±2.5 | PASS |
| BAND41 | 20MHz | 16QAM | 41490 | 100RB#0 | NV | -30 | -19.70 | -0.007351 | ±2.5 | PASS |
| BAND41 | 20MHz | 16QAM | 41490 | 100RB#0 | NV | -20 | -20.30 | -0.007575 | ±2.5 | PASS |
| BAND41 | 20MHz | 16QAM | 41490 | 100RB#0 | NV | 0   | -19.80 | -0.007388 | ±2.5 | PASS |
| BAND41 | 20MHz | 16QAM | 41490 | 100RB#0 | NV | 10  | -19.70 | -0.007351 | ±2.5 | PASS |
| BAND41 | 20MHz | 16QAM | 41490 | 100RB#0 | NV | 20  | -19.90 | -0.007425 | ±2.5 | PASS |

The End