



FCC RADIO TEST REPORT

FCC ID : ZMOFM350GLG
Equipment : 5G Module
Brand Name : Fibocom Wireless Inc.
Model Name : FM350-GL
Applicant : Fibocom Wireless Inc.
1101, Tower A, Building 6, Shenzhen International, Innovation Valley, Dashi 1st Rd, Nanshan, ShenZhen, China
Manufacturer : LCFC (HeFei) Electronics Technology Co., Ltd.
No. 3188-1, Yungu Road (Hefei Export Processing Zone), Hefei Economics & Technology Development Area, Anhui, CHINA
Standard : FCC 47 CFR Part 2, 22(H), 24(E), 27

Equipment: Fibocom FM350-GL tested inside of Lenovo Notebook Computer.

The product was received on Oct. 20, 2022 and testing was performed from Nov. 05, 2022 to Nov. 17, 2022. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI / TIA-603-E and has been in compliance with the applicable technical standards.

The test results in this partial report apply exclusively to the tested model / sample. Without written approval from Sporton International Inc. Wensan Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory



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Summary of Test Result

| Report Clause | Ref Std. Clause | Test Items | Result (PASS/FAIL) | Remark |
|---------------|---|--|--------------------|----------|
| 3.2 | §2.1046 | Conducted Output Power | Reporting only | - |
| | §22.913 (a)(5) | Effective Radiated Power (Band 5) (Band 26) | Pass | |
| | §27.50 (b)(10) §27.50 (c)(10) | Effective Radiated Power (Band 12) (Band 13) (Band 17) (Band 71) | | |
| | §24.232 (c) §27.50 (h)(2) | Equivalent Isotropic Radiated Power (Band 2) (Band 25) (Band 7) (Band 38) (Band 41) | | |
| | §27.50 (d)(4) | Equivalent Isotropic Radiated Power (Band 4) (Band 66) | | |
| - | §24.232 (d) §27.50 (d)(5) | Peak-to-Average Ratio | - | See Note |
| - | §2.1049 | Occupied Bandwidth | - | See Note |
| - | §2.1051 §22.917 (a) §24.238 (a) §27.53 (c)(2)(4) §27.53 (g) §27.53 (h) | Conducted Band Edge Measurement (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26) (Band 66) (Band 71) | - | See Note |
| | §2.1051 §27.53 (m)(4) | Conducted Band Edge Measurement (Band 7) (Band 38) (Band 41) | | |
| - | §2.1051 §22.917 (a) §24.238 (a) §27.53 (c)(2) §27.53 (g) §27.53 (h) | Conducted Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26) (Band 66) (Band 71) | - | See Note |
| | §2.1051 §27.53 (m)(4) | Conducted Spurious Emission (Band 7) (Band 38) (Band 41) | | |
| - | §2.1055 §22.355 §24.235 §27.54 | Frequency Stability Temperature & Voltage | - | See Note |



| Report Clause | Ref Std. Clause | Test Items | Result (PASS/FAIL) | Remark |
|---------------|--|---|--------------------|---|
| 4.2 | §2.1053 §22.917 (a) §24.238 (a) §27.53 (c)(2) §27.53 (f) §27.53 (g) §27.53 (h) | Radiated Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26) (Band 66) (Band 71) | Pass | 17.75 dB under the limit at 10366.100 MHz |
| | §2.1051 §27.53 (m)(4) | Radiated Spurious Emission (Band 7) (Band 38) (Band 41) | | |

Note: The certified module (Model: FM350-GL) which supports normal mode and TX switching mode being integrated into a notebook computer. Spot check on both modes were performed and no degradation occur. Thus additionally reporting the spot check results in this report.

Declaration of Conformity:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers. It's means measurement values may risk exceeding the limit of regulation standards, if measurement uncertainty is include in test results.
2. The measurement uncertainty please refer to report "Uncertainty of Evaluation".

Comments and Explanations:

The product specifications of the EUT presented in the report are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Sheng Kuo

Report Producer: Rachel Hsieh



1 General Description

1.1 Product Feature of Equipment Under Test

| Product Feature | |
|---------------------------------|---------------------------|
| Equipment | 5G Module |
| Brand Name | Fibocom Wireless Inc. |
| Model Name | FM350-GL |
| FCC ID | ZMOFM350GLG |
| Sample 1 | EUT with Host 1 |
| Sample 2 | EUT with Host 2 |
| EUT supports Radios application | WCDMA/HSPA/LTE/5G NR/GNSS |
| EUT Stage | Production Unit |

Remark:

1. The above EUT's information was declared by manufacturer.
2. Equipment: Fibocom FM350-GL tested inside of Lenovo Notebook Computer.

| | Normal mode | TX switching mode |
|---------------|---|--|
| | TX/RX | TX/RX |
| Ant_0 (Main) | WCDMA : 2/4/5 LTE : 2/4/5/7/12/13/14/17/25/26/30/38/66/71 NR : 2/5/7/25/30/38/66/71 | WCDMA : 5 LTE : 5/12/13/14/17/26/41/48/71 NR : 5/41/71/77/78 |
| Ant_2 (MIMO2) | LTE : 41/48 NR : 41/77/78 | WCDMA : 2/4 LTE : 2/4/7/25/30/38/66 NR : 2/7/25/30/38/66 |

The product was installed into Notebook Computer (Brand Name: Lenovo, Model Name: TP00129C) during test, and the host information was recorded in the following table.

| Host Information | |
|------------------|--------------------------------|
| Host 1 | EUT with Amphenol Antenna |
| Host 2 | EUT with Novocomms/JYT Antenna |



| Antenna Information | | | | |
|---------------------|--------------|-----------------|----------------|--|
| Main Antenna | Manufacturer | Amphenol | Peak gain(dBi) | LTE Band 2 : -0.22 LTE Band 4 : 1.95 LTE Band 5 : -0.65 LTE Band 7 : 1.45 LTE Band 12 : -2.03 LTE Band 13 : -0.43 LTE Band 17 : -2.26 LTE Band 25 : -0.06 LTE Band 26 : -0.12 LTE Band 38 : 1.80 LTE Band 41 : 1.87 LTE Band 66 : 1.55 LTE Band 71 : -1.86 |
| | Part number | TKC116-16-000-C | Type | PIFA |
| | Manufacturer | Novocomms/JYT | Peak gain(dBi) | LTE Band 2 : -1.42 LTE Band 4 : 0.05 LTE Band 5 : 0.37 LTE Band 7 : 1.88 LTE Band 12 : -0.33 LTE Band 13 : 0.96 LTE Band 17 : -0.08 LTE Band 25 : -1.42 LTE Band 26 : 0.67 LTE Band 38 : 1.84 LTE Band 41 : 1.83 LTE Band 66 : 0.05 LTE Band 71 : -0.39 |
| | Part number | JYAAE0150HR | Type | PIFA |
| MIMO 2 Antenna | Manufacturer | Amphenol | Peak gain(dBi) | LTE Band 2 : 0.20 LTE Band 4 : 0.93 LTE Band 7 : 1.94 LTE Band 25 : 0.39 LTE Band 38 : 1.79 LTE Band 41 : 1.93 LTE Band 66 : 1.13 |
| | Part number | TKC115-16-000-C | Type | PIFA |
| | Manufacturer | Novocomms/JYT | Peak gain(dBi) | LTE Band 2 : -0.50 LTE Band 4 : -0.78 LTE Band 7 : 2.28 LTE Band 25 : -0.50 LTE Band 38 : 1.65 LTE Band 41 : 2.28 LTE Band 66 : -0.74 |
| | Part number | JYAAE0151HR | Type | PIFA |

Remark: The above EUT's information was declared by manufacturer. Please refer to Comments and Explanations in report summary.



1.2 Product Specification of Equipment Under Test

| Product Specification is subject to this standard | |
|---|---|
| Tx Frequency | LTE Band 2: 1850.7 MHz ~ 1909.3 MHz LTE Band 4: 1710.7 MHz ~ 1754.3 MHz LTE Band 5: 824.7 MHz ~ 848.3 MHz LTE Band 7: 2502.5 MHz ~ 2567.5 MHz LTE Band 12: 699.7 MHz ~ 715.3 MHz LTE Band 13: 779.5 MHz ~ 784.5 MHz LTE Band 17 : 706.5 MHz ~ 713.5 MHz LTE Band 25: 1850.7MHz ~ 1914.3 MHz LTE Band 26: 824.7MHz ~ 848.3 MHz LTE Band 38: 2572.5MHz ~ 2617.5MHz LTE Band 41: 2498.5 MHz ~ 2687.5 MHz LTE Band 66: 1710.7 MHz ~ 1779.3 MHz LTE Band 71: 665.5 MHz ~ 695.5 MHz |
| Rx Frequency | LTE Band 2: 1930.7 MHz ~ 1989.3 MHz LTE Band 4: 2110.7 MHz ~ 2154.3 MHz LTE Band 5: 869.7 MHz ~ 893.3 MHz LTE Band 7: 2622.5MHz ~ 2687.5 MHz LTE Band 12: 729.7 MHz ~ 745.3 MHz LTE Band 13: 748.5 MHz ~ 753.5 MHz LTE Band 17 : 736.5 MHz ~ 743.5 MHz LTE Band 25: 1930.7MHz ~ 1994.3 MHz LTE Band 26: 869.7MHz ~ 893.3MHz LTE Band 38: 2572.5MHz ~ 2617.5MHz LTE Band 41: 2498.5 MHz ~ 2687.5 MHz LTE Band 66: 2110.7 MHz ~ 2199.3 MHz LTE Band 71: 619.5 MHz ~ 649.5 MHz |
| Bandwidth | LTE Band 2: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 4: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 5: 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 7: 5MHz/ 10MHz / 15MHz / 20MHz LTE Band 12: 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 13: 5MHz / 10MHz LTE Band 17 : 5MHz / 10MHz LTE Band 25: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 26: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz LTE Band 38: 5MHz / 10MHz / 15MHz / 20MHz LTE Band 41: 5MHz / 10MHz / 15MHz / 20MHz LTE Band 66: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 71: 5MHz / 10MHz / 15MHz / 20MHz |



| Product Specification is subject to this standard | |
|---|--|
| Maximum Output Power to Antenna | <Main Antenna> LTE Band 2 : 23.32 dBm LTE Band 4 : 23.11 dBm LTE Band 5 : 24.25 dBm LTE Band 5B : 24.08 dBm LTE Band 7 : 23.55 dBm LTE Band 7C : 22.82 dBm LTE Band 12 : 24.23 dBm LTE Band 13 : 24.40 dBm LTE Band 17 : 24.35 dBm LTE Band 25 : 23.16 dBm LTE Band 26 : 24.22 dBm LTE Band 38 : 23.52 dBm LTE Band 38C : 23.22 dBm LTE Band 41 : 24.90 dBm for HPUE LTE Band 41C : 23.55 dBm for HPUE LTE Band 66 : 23.27 dBm LTE Band 66B : 22.46 dBm LTE Band 66C : 22.54 dBm LTE Band 71 : 24.37 dBm <MIMO 2 Antenna> LTE Band 2 : 22.92 dBm LTE Band 4 : 23.01 dBm LTE Band 7 : 23.48 dBm LTE Band 7C : 22.16 dBm LTE Band 25 : 22.89 dBm LTE Band 38 : 22.70 dBm LTE Band 38C : 22.49 dBm LTE Band 41 : 26.80 dBm for HPUE LTE Band 41C : 22.99 dBm LTE Band 41C : 25.82 dBm for HPUE LTE Band 66 : 23.02 dBm LTE Band 66B : 22.58 dBm LTE Band 66C : 22.36 dBm |
| | Type of Modulation |

1.3 Modification of EUT

No modifications made to the EUT during the testing.



1.4 Testing Location

| | |
|-----------------------|--|
| Test Site | Sporton International Inc. EMC & Wireless Communications Laboratory |
| Test Site Location | No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333 |
| Test Site No. | Sporton Site No. |
| | TH03-HY (TAF Code: 1190) |
| Test Engineer | Ivy Yeh |
| Temperature (°C) | 20~24 |
| Relative Humidity (%) | 50~52 |
| Remark | The Conducted test item subcontracted to Sporton International Inc. EMC & Wireless Communications Laboratory |

| | |
|-----------------------|--|
| Test Site | Sporton International Inc. Wensan Laboratory |
| Test Site Location | No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010 |
| Test Site No. | Sporton Site No. |
| | 03CH11-HY |
| Test Engineer | Yuan Lee, Fu Chen and Troye Hsieh |
| Temperature (°C) | 19.8~22.2 |
| Relative Humidity (%) | 57.2~58.5 |

Note: The test site complies with ANSI C63.4 2014 requirement.

FCC Designation No.: TW1190 and TW3786

1.5 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ ANSI C63.26-2015
- ♦ ANSI / TIA-603-E
- ♦ FCC 47 CFR Part 2, 22(H), 24(E), 27
- ♦ FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- ♦ FCC KDB 412172 D01 Determining ERP and EIRP v01r01
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01.

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. The TAF code is not including all the FCC KDB listed without accreditation.



2 Test Configuration of Equipment Under Test

2.1 Test Mode

Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas. License Digital Systems v03r01 with maximum output power.

| Test Items | Band | Bandwidth (MHz) | | | | | | Modulation | | RB # | | | Test Channel | | |
|-------------------|------|-----------------|---|---|----|----|----|------------|-------|------|------|------|--------------|---|---|
| | | 1.4 | 3 | 5 | 10 | 15 | 20 | QPSK | 16QAM | 1 | Half | Full | L | M | H |
| Max. Output Power | 2 | v | v | v | v | v | v | v | v | v | v | v | v | v | v |
| | 4 | v | v | v | v | v | v | v | v | v | v | v | v | v | v |
| | 5 | v | v | v | v | - | - | v | v | v | v | v | v | v | v |
| | 7 | - | - | v | v | v | v | v | v | v | v | v | v | v | v |
| | 12 | v | v | v | v | - | - | v | v | v | v | v | v | v | v |
| | 13 | - | - | v | v | - | - | v | v | v | v | v | v | v | v |
| | 17 | - | - | v | v | - | - | v | v | v | v | v | v | v | v |
| | 25 | v | v | v | v | v | v | v | v | v | v | v | v | v | v |
| | 26 | v | v | v | v | v | - | v | v | v | v | v | v | v | v |
| | 38 | - | - | v | v | v | v | v | v | v | v | v | v | v | v |
| | 41 | - | - | v | v | v | v | v | v | v | v | v | v | v | v |
| | 66 | v | v | v | v | v | v | v | v | v | v | v | v | v | v |
| | 71 | - | - | v | v | v | v | v | v | v | v | v | v | v | v |



| Test Items | Band | Bandwidth (MHz) | | | | | | Modulation | | RB # | | | Test Channel | | |
|----------------------------|---|--------------------|---|---|----|----|----|------------|-------|------------|------|------|--------------|---|---|
| | | 1.4 | 3 | 5 | 10 | 15 | 20 | QPSK | 16QAM | 1 | Half | Full | L | M | H |
| E.R.P / E.I.R.P | 2 | v | v | v | v | v | v | v | v | Max. Power | | | | | |
| | 4 | v | v | v | v | v | v | v | v | | | | | | |
| | 5 | v | v | v | v | - | - | v | v | | | | | | |
| | 7 | - | - | v | v | v | v | v | v | | | | | | |
| | 12 | v | v | v | v | - | - | v | v | | | | | | |
| | 13 | - | - | v | v | - | - | v | v | | | | | | |
| | 17 | - | - | v | v | - | - | v | v | | | | | | |
| | 25 | v | v | v | v | v | v | v | v | | | | | | |
| | 26 | v | v | v | v | v | - | v | v | | | | | | |
| | 38 | - | - | v | v | v | v | v | v | | | | | | |
| | 41 | - | - | v | v | v | v | v | v | | | | | | |
| | 66 | v | v | v | v | v | v | v | v | | | | | | |
| | 71 | - | - | v | v | v | v | v | v | | | | | | |
| Radiated Spurious Emission | 2 | Covered by Band 25 | | | | | | | | | | | | | |
| | 4 | Covered by Band 66 | | | | | | | | | | | | | |
| | 5 | Covered by Band 26 | | | | | | | | | | | | | |
| | 7 | - | - | | | | v | v | | v | | | v | v | v |
| | 12 | | | | v | - | - | v | | v | | | v | v | v |
| | 13 | - | - | v | v | - | - | v | | v | | | v | v | v |
| | 17 | Covered by Band 12 | | | | | | | | | | | | | |
| | 25 | | | | | | v | v | | v | | | v | v | v |
| | 26 | | | | | v | - | v | | v | | | v | v | v |
| | 38 | - | - | | | | v | v | | v | | | v | v | v |
| | 41 | - | - | | | | v | v | | v | | | v | v | v |
| | 66 | | | | | | v | v | | v | | | v | v | v |
| 71 | - | - | | | | v | v | | v | | | v | v | v | |
| Remark | <ol style="list-style-type: none"> The mark "v" means that this configuration is chosen for testing The mark "-" means that this bandwidth is not supported. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. Wider operating range bandwidth covers narrower one when the power is higher or the same. For modulation of 64QAM/256QAM, the maximum power of 64QAM/256QAM is lower than other modulation (QPSK/16QAM), therefore, for Normal Mode, according to engineering evaluation, we choose higher power (QPSK/16QAM) to perform all tests and show in the report. All the radiated test cases were performed with Battery (L20M4P71). | | | | | | | | | | | | | | |

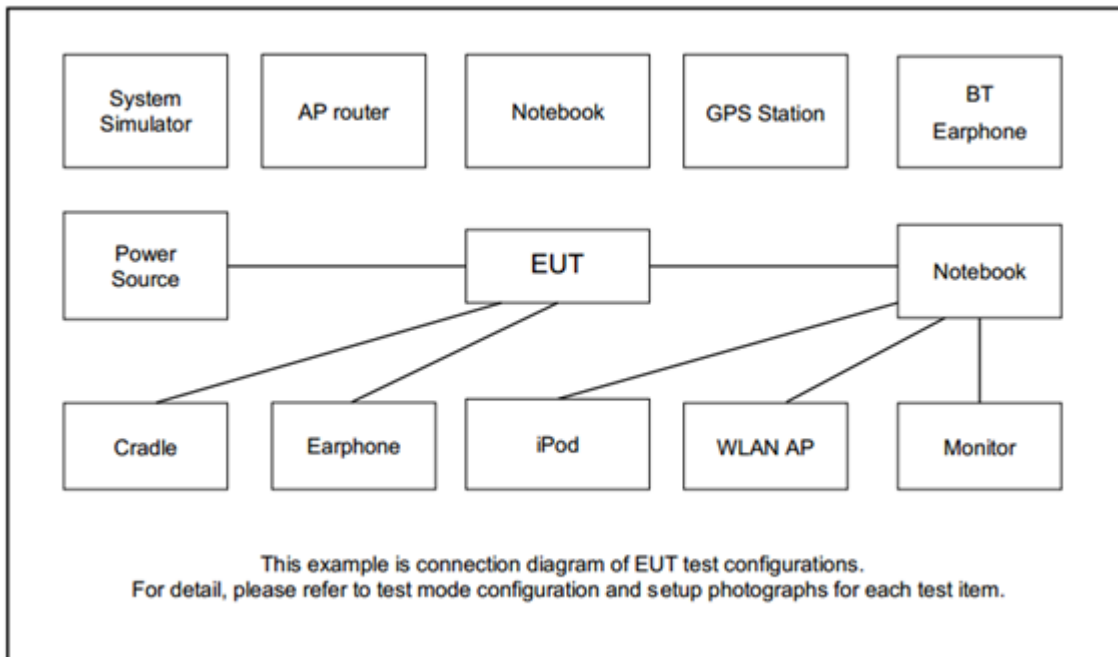


| Test Items | Band | Bandwidth (MHz) | | | | | Modulation | | | RB # | | | Test Channel | | |
|----------------------------|---|-----------------|-----|------|------|-------|------------|-------|-------|------------|------|------|--------------|---|---|
| | | 3+5 | 5+3 | 5+10 | 10+5 | 10+10 | QPSK | 16QAM | 64QAM | 1 | Half | Full | L | M | H |
| Max. Output Power | 5B_CA | - | - | | | v | v | v | v | v | | v | v | v | v |
| E.R.P. | 5B_CA | - | - | | | v | v | v | v | Max. Power | | | | | |
| Radiated Spurious Emission | 5B_CA | | | | | v | v | | | v | | | v | v | v |
| Remark | <ol style="list-style-type: none"> The mark "v" means that this configuration is chosen for testing The mark "-" means that this bandwidth is not supported. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. For modulation of 256QAM, the maximum power of 256QAM is lower than other modulation (QPSK/16QAM/64QAM), therefore, according to engineering evaluation, we choose higher power (QPSK/16QAM/64QAM) to perform all tests and show in the report. All the radiated test cases were performed with Battery (L20M4P71). | | | | | | | | | | | | | | |

| Test Items | Band | Bandwidth (MHz) | | | | | | | | | | Modulation | | | RB # | | | Test Channel | | |
|----------------------------|--|---------------------|-------|-------|-------|-------|------|------|-------|-------|-------|------------|-------|-------|------------|------|------|--------------|---|---|
| | | 20+20 | 20+15 | 15+20 | 20+10 | 10+20 | 20+5 | 5+20 | 15+15 | 15+10 | 10+15 | QPSK | 16QAM | 64QAM | 1 | Half | Full | L | M | H |
| Max. Output Power | 7C_CA | v | v | v | v | v | - | - | v | v | - | v | v | | v | | v | v | v | v |
| | 38C_CA | v | | | | | | | v | | | v | v | | v | | v | v | v | v |
| | 41C_CA | v | v | v | v | v | v | v | v | v | v | v | v | | v | | v | v | v | v |
| | 66C_CA | | v | | v | v | v | v | v | v | v | v | v | v | v | | v | v | v | v |
| E.I.R.P. | 7C_CA | v | v | v | v | v | - | - | v | v | - | v | v | | Max. Power | | | | | |
| | 38C_CA | v | | | | | | | v | | | v | v | | | | | | | |
| | 41C_CA | v | v | v | v | v | v | v | v | v | v | v | v | | | | | | | |
| | 66C_CA | | v | | v | v | v | v | v | v | v | v | v | v | | | | | | |
| Radiated Spurious Emission | 7C_CA | v | | | | | | | | | | v | | | v | | | v | v | v |
| | 38C_CA | Covered by Band 41C | | | | | | | | | | | | | | | | | | |
| | 41C_CA | v | | | | | | | | | | v | | | v | | | v | v | v |
| | 66C_CA | v | | | | | | | | | | v | | | v | | | v | v | v |
| Remark | <ol style="list-style-type: none"> The mark "v" means that this configuration is chosen for testing The mark "-" means that this bandwidth is not supported. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. Wider operating range bandwidth covers narrower one when the power is higher or the same. For modulation of 256QAM, the maximum power of 256QAM is lower than other modulation (QPSK/16QAM/64QAM), therefore, according to engineering evaluation, we choose higher power (QPSK/16QAM/64QAM) to perform all tests and show in the report. All the radiated test cases were performed with Battery (L20M4P71). | | | | | | | | | | | | | | | | | | | |

| Test Items | Band | Bandwidth (MHz) | | | | | | Modulation | | | RB # | | | Test Channel | | |
|----------------------------|---|-----------------|------|------|------|------|-------|------------|-------|-------|------------|------|------|--------------|---|---|
| | | 5+5 | 5+10 | 10+5 | 5+15 | 15+5 | 10+10 | QPSK | 16QAM | 64QAM | 1 | Half | Full | L | M | H |
| Max. Output Power | 66B_CA | | | | | v | | v | v | v | v | | | v | v | v |
| E.I.R.P. | 66B_CA | | | | | v | | v | v | v | Max. Power | | | | | |
| Radiated Spurious Emission | 66B_CA | | | | | | v | v | | | v | | | v | v | v |
| Remark | <ol style="list-style-type: none"> The mark "v" means that this configuration is chosen for testing The mark "-" means that this bandwidth is not supported. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. For modulation of 256QAM, the maximum power of 256QAM is lower than other modulation (QPSK/16QAM/64QAM), therefore, according to engineering evaluation, we choose higher power (QPSK/16QAM/64QAM) to perform all tests and show in the report. All the radiated test cases were performed with Battery (L20M4P71). | | | | | | | | | | | | | | | |

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

| Item | Equipment | Brand Name | Model No. | FCC ID | Data Cable | Power Cord |
|------|------------------|------------|-----------|--------------|-------------------|-------------------|
| 1. | iPod Earphone | Apple | N/A | Verification | Unshielded, 1.0 m | N/A |
| 2. | System Simulator | Anritsu | MT8821C | N/A | N/A | Unshielded, 1.8 m |



2.4 Frequency List of Low/Middle/High Channels

| LTE Band 2 Channel and Frequency List | | | | |
|---------------------------------------|------------------------|--------|--------|---------|
| BW [MHz] | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 20 | Channel | 18700 | 18900 | 19100 |
| | Frequency | 1860 | 1880 | 1900 |
| 15 | Channel | 18675 | 18900 | 19125 |
| | Frequency | 1857.5 | 1880 | 1902.5 |
| 10 | Channel | 18650 | 18900 | 19150 |
| | Frequency | 1855 | 1880 | 1905 |
| 5 | Channel | 18625 | 18900 | 19175 |
| | Frequency | 1852.5 | 1880 | 1907.5 |
| 3 | Channel | 18615 | 18900 | 19185 |
| | Frequency | 1851.5 | 1880 | 1908.5 |
| 1.4 | Channel | 18607 | 18900 | 19193 |
| | Frequency | 1850.7 | 1880 | 1909.3 |

| LTE Band 4 Channel and Frequency List | | | | |
|---------------------------------------|------------------------|--------|--------|---------|
| BW [MHz] | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 20 | Channel | 20050 | 20175 | 20300 |
| | Frequency | 1720 | 1732.5 | 1745 |
| 15 | Channel | 20025 | 20175 | 20325 |
| | Frequency | 1717.5 | 1732.5 | 1747.5 |
| 10 | Channel | 20000 | 20175 | 20350 |
| | Frequency | 1715 | 1732.5 | 1750 |
| 5 | Channel | 19975 | 20175 | 20375 |
| | Frequency | 1712.5 | 1732.5 | 1752.5 |
| 3 | Channel | 19965 | 20175 | 20385 |
| | Frequency | 1711.5 | 1732.5 | 1753.5 |
| 1.4 | Channel | 19957 | 20175 | 20393 |
| | Frequency | 1710.7 | 1732.5 | 1754.3 |



| LTE Band 5 Channel and Frequency List | | | | |
|--|-------------------------------|---------------|---------------|----------------|
| BW [MHz] | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 10 | Channel | 20450 | 20525 | 20600 |
| | Frequency | 829 | 836.5 | 844 |
| 5 | Channel | 20425 | 20525 | 20625 |
| | Frequency | 826.5 | 836.5 | 846.5 |
| 3 | Channel | 20415 | 20525 | 20635 |
| | Frequency | 825.5 | 836.5 | 847.5 |
| 1.4 | Channel | 20407 | 20525 | 20643 |
| | Frequency | 824.7 | 836.5 | 848.3 |

| LTE Band 7 Channel and Frequency List | | | | |
|--|-------------------------------|---------------|---------------|----------------|
| BW [MHz] | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 20 | Channel | 20850 | 21100 | 21350 |
| | Frequency | 2510 | 2535 | 2560 |
| 15 | Channel | 20825 | 21100 | 21375 |
| | Frequency | 2507.5 | 2535 | 2562.5 |
| 10 | Channel | 20800 | 21100 | 21400 |
| | Frequency | 2505 | 2535 | 2565 |
| 5 | Channel | 20775 | 21100 | 21425 |
| | Frequency | 2502.5 | 2535 | 2567.5 |

| LTE Band 12 Channel and Frequency List | | | | |
|---|-------------------------------|---------------|---------------|----------------|
| BW [MHz] | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 10 | Channel | 23060 | 23095 | 23130 |
| | Frequency | 704 | 707.5 | 711 |
| 5 | Channel | 23035 | 23095 | 23155 |
| | Frequency | 701.5 | 707.5 | 713.5 |
| 3 | Channel | 23025 | 23095 | 23165 |
| | Frequency | 700.5 | 707.5 | 714.5 |
| 1.4 | Channel | 23017 | 23095 | 23173 |
| | Frequency | 699.7 | 707.5 | 715.3 |



| LTE Band 13 Channel and Frequency List | | | | |
|--|------------------------|--------|--------|---------|
| BW [MHz] | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 10 | Channel | - | 23230 | - |
| | Frequency | - | 782 | - |
| 5 | Channel | 23205 | 23230 | 23255 |
| | Frequency | 779.5 | 782 | 784.5 |

| LTE Band 17 Channel and Frequency List | | | | |
|--|------------------------|--------|--------|---------|
| BW [MHz] | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 10 | Channel | 23780 | 23790 | 23800 |
| | Frequency | 709 | 710 | 711 |
| 5 | Channel | 23755 | 23790 | 23825 |
| | Frequency | 706.5 | 710 | 713.5 |

| LTE Band 25 Channel and Frequency List | | | | |
|--|------------------------|--------|--------|---------|
| BW [MHz] | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 20 | Channel | 26140 | 26340 | 26590 |
| | Frequency | 1860 | 1880 | 1905 |
| 15 | Channel | 26115 | 26340 | 26615 |
| | Frequency | 1857.5 | 1880 | 1907.5 |
| 10 | Channel | 26090 | 26340 | 26640 |
| | Frequency | 1855 | 1880 | 1910 |
| 5 | Channel | 26065 | 26340 | 26665 |
| | Frequency | 1852.5 | 1880 | 1912.5 |
| 3 | Channel | 26055 | 26340 | 26675 |
| | Frequency | 1851.5 | 1880 | 1913.5 |
| 1.4 | Channel | 26047 | 26340 | 26683 |
| | Frequency | 1850.7 | 1880 | 1914.3 |



| LTE Band 26 Channel and Frequency List | | | | |
|--|------------------------|--------|--------|---------|
| BW [MHz] | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 15 | Channel | 26865 | 26915 | 26965 |
| | Frequency | 831.5 | 836.5 | 841.5 |
| 10 | Channel | 26840 | 26915 | 26990 |
| | Frequency | 829.0 | 836.5 | 844.0 |
| 5 | Channel | 26815 | 26915 | 27015 |
| | Frequency | 826.5 | 836.5 | 846.5 |
| 3 | Channel | 26805 | 26915 | 27025 |
| | Frequency | 825.5 | 836.5 | 847.5 |
| 1.4 | Channel | 26797 | 26915 | 27033 |
| | Frequency | 824.7 | 836.5 | 848.3 |

| LTE Band 38 Channel and Frequency List | | | | |
|--|------------------------|--------|--------|---------|
| BW [MHz] | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 20 | Channel | 37850 | 38000 | 38150 |
| | Frequency | 2580.0 | 2595.0 | 2610.0 |
| 15 | Channel | 37825 | 38000 | 38175 |
| | Frequency | 2577.5 | 2595.0 | 2612.5 |
| 10 | Channel | 37800 | 38000 | 38200 |
| | Frequency | 2575.0 | 2595.0 | 2615.0 |
| 5 | Channel | 37775 | 38000 | 38225 |
| | Frequency | 2572.5 | 2595.0 | 2617.5 |

| LTE Band 41 Channel and Frequency List | | | | |
|--|------------------------|--------|--------|---------|
| BW [MHz] | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 20 | Channel | 39750 | 40620 | 41490 |
| | Frequency | 2506.0 | 2593.0 | 2680.0 |
| 15 | Channel | 39725 | 40620 | 41515 |
| | Frequency | 2503.5 | 2593.0 | 2682.5 |
| 10 | Channel | 39700 | 40620 | 41540 |
| | Frequency | 2501.0 | 2593.0 | 2685.0 |
| 5 | Channel | 39675 | 40620 | 41565 |
| | Frequency | 2498.5 | 2593.0 | 2687.5 |



| LTE Band 66 Channel and Frequency List | | | | |
|--|------------------------|--------|--------|---------|
| BW [MHz] | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 20 | Channel | 132072 | 132322 | 132572 |
| | Frequency | 1720 | 1745 | 1770 |
| 15 | Channel | 132047 | 132322 | 132597 |
| | Frequency | 1717.5 | 1745 | 1772.5 |
| 10 | Channel | 132022 | 132322 | 132622 |
| | Frequency | 1715 | 1745 | 1775 |
| 5 | Channel | 131997 | 132322 | 132647 |
| | Frequency | 1712.5 | 1745 | 1777.5 |
| 3 | Channel | 131987 | 132322 | 132657 |
| | Frequency | 1711.5 | 1745 | 1778.5 |
| 1.4 | Channel | 131979 | 132322 | 132665 |
| | Frequency | 1710.7 | 1745 | 1779.3 |

| LTE Band 71 Channel and Frequency List | | | | |
|--|------------------------|--------|--------|---------|
| BW [MHz] | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 20 | Channel | 133222 | 133297 | 133372 |
| | Frequency | 673.0 | 680.5 | 688.0 |
| 15 | Channel | 133197 | 133297 | 133397 |
| | Frequency | 670.5 | 680.5 | 690.5 |
| 10 | Channel | 133172 | 133297 | 133422 |
| | Frequency | 668.0 | 680.5 | 693.0 |
| 5 | Channel | 133147 | 133297 | 133447 |
| | Frequency | 665.5 | 680.5 | 695.5 |

| LTE Band 5B Channel and Frequency List_CA | | | | | |
|---|------------------------|-----------|--------|---------|-------|
| BW [MHz] | Channel/Frequency(MHz) | Lowest | Middle | Highest | |
| 10 + 10 | PCC | Channel | 20450 | 20476 | 20501 |
| | | Frequency | 829.0 | 831.6 | 834.1 |
| | SCC | Channel | 20549 | 20575 | 20600 |
| | | Frequency | 838.9 | 841.5 | 844.0 |



| LTE Band 7C Channel and Frequency List_CA | | | | | |
|---|------------------------|-----------|--------|--------|---------|
| BW [MHz] | Channel/Frequency(MHz) | | Lowest | Middle | Highest |
| 20 + 20 | PCC | Channel | 20850 | 21001 | 21152 |
| | | Frequency | 2510.0 | 2525.1 | 2540.2 |
| | SCC | Channel | 21048 | 21199 | 21350 |
| | | Frequency | 2529.8 | 2544.9 | 2560.0 |
| 20 + 15 | PCC | Channel | 20850 | 21026 | 21201 |
| | | Frequency | 2510.0 | 2527.6 | 2545.1 |
| | SCC | Channel | 21021 | 21197 | 21372 |
| | | Frequency | 2527.1 | 2544.7 | 2562.2 |
| 15 + 20 | PCC | Channel | 20828 | 21003 | 21179 |
| | | Frequency | 2507.8 | 2525.3 | 2542.9 |
| | SCC | Channel | 20999 | 21174 | 21350 |
| | | Frequency | 2524.9 | 2542.4 | 2560.0 |
| 20 + 10 | PCC | Channel | 20850 | 21051 | 21251 |
| | | Frequency | 2510.0 | 2530.1 | 2550.1 |
| | SCC | Channel | 20994 | 21195 | 21395 |
| | | Frequency | 2524.4 | 2544.5 | 2564.5 |
| 10 + 20 | PCC | Channel | 20805 | 21006 | 21206 |
| | | Frequency | 2505.5 | 2525.6 | 2545.6 |
| | SCC | Channel | 20949 | 21150 | 21350 |
| | | Frequency | 2519.9 | 2540.0 | 2560.0 |
| 15 + 15 | PCC | Channel | 20825 | 21025 | 21225 |
| | | Frequency | 2507.5 | 2527.5 | 2547.5 |
| | SCC | Channel | 20975 | 21175 | 21375 |
| | | Frequency | 2522.5 | 2542.5 | 2562.5 |
| 15 + 10 | PCC | Channel | 20825 | 21051 | 21277 |
| | | Frequency | 2507.5 | 2530.1 | 2552.7 |
| | SCC | Channel | 20945 | 21171 | 21397 |
| | | Frequency | 2519.5 | 2542.1 | 2564.7 |



| LTE Band 38C Channel and Frequency List_CA | | | | | |
|--|------------------------|-----------|--------|--------|---------|
| BW [MHz] | Channel/Frequency(MHz) | | Lowest | Middle | Highest |
| 20 + 20 | PCC | Channel | 37850 | 37901 | 37952 |
| | | Frequency | 2580.0 | 2585.1 | 2590.2 |
| | SCC | Channel | 38048 | 38099 | 38150 |
| | | Frequency | 2599.8 | 2604.9 | 2610.0 |
| 15+ 15 | PCC | Channel | 37825 | 37925 | 38025 |
| | | Frequency | 2577.5 | 2587.5 | 2597.5 |
| | SCC | Channel | 37975 | 38075 | 38175 |
| | | Frequency | 2592.5 | 2602.5 | 2612.5 |

| LTE Band 41C Channel and Frequency List_CA | | | | | |
|--|------------------------|-----------|--------|--------|---------|
| BW [MHz] | Channel/Frequency(MHz) | | Lowest | Middle | Highest |
| 20 + 20 | PCC | Channel | 39750 | 40521 | 41292 |
| | | Frequency | 2506.0 | 2583.1 | 2660.2 |
| | SCC | Channel | 39948 | 40719 | 41490 |
| | | Frequency | 2525.8 | 2602.9 | 2680.0 |
| 20 + 15 | PCC | Channel | 39750 | 40546 | 41341 |
| | | Frequency | 2506.0 | 2585.6 | 2665.1 |
| | SCC | Channel | 39921 | 40717 | 41512 |
| | | Frequency | 2523.1 | 2602.7 | 2682.2 |
| 15 + 20 | PCC | Channel | 39728 | 40523 | 41319 |
| | | Frequency | 2503.8 | 2593.3 | 2662.9 |
| | SCC | Channel | 39899 | 40694 | 41490 |
| | | Frequency | 2520.9 | 2600.4 | 2680.0 |
| 20 + 10 | PCC | Channel | 39750 | 40571 | 41391 |
| | | Frequency | 2506.0 | 2588.1 | 2670.1 |
| | SCC | Channel | 39894 | 40715 | 41535 |
| | | Frequency | 2520.4 | 2602.5 | 2684.5 |
| 10 + 20 | PCC | Channel | 39705 | 40526 | 41346 |
| | | Frequency | 2501.5 | 2583.6 | 2665.6 |
| | SCC | Channel | 39849 | 40670 | 41490 |
| | | Frequency | 2515.9 | 2598.0 | 2680.0 |



| LTE Band 41C Channel and Frequency List_CA | | | | | |
|--|-----|-----------|--------|--------|--------|
| 20 + 5 | PCC | Channel | 39750 | 40595 | 41440 |
| | | Frequency | 2506.0 | 2590.5 | 2675.0 |
| | SCC | Channel | 39867 | 40712 | 41557 |
| | | Frequency | 2517.7 | 2602.2 | 2686.7 |
| 5 + 20 | PCC | Channel | 39683 | 40528 | 41373 |
| | | Frequency | 2499.3 | 2583.8 | 2668.3 |
| | SCC | Channel | 39800 | 40645 | 41490 |
| | | Frequency | 2511.0 | 2595.5 | 2680.0 |
| 15 + 15 | PCC | Channel | 39725 | 40545 | 41365 |
| | | Frequency | 2503.5 | 2585.5 | 2667.5 |
| | SCC | Channel | 39875 | 40695 | 41515 |
| | | Frequency | 2518.5 | 2600.5 | 2682.5 |
| 10 + 15 | PCC | Channel | 39703 | 40549 | 41395 |
| | | Frequency | 2501.3 | 2585.9 | 2670.5 |
| | SCC | Channel | 39823 | 40669 | 41515 |
| | | Frequency | 2513.3 | 2597.9 | 2682.5 |
| 15 + 10 | PCC | Channel | 39725 | 40571 | 41417 |
| | | Frequency | 2503.5 | 2588.1 | 2672.7 |
| | SCC | Channel | 39845 | 40691 | 41537 |
| | | Frequency | 2515.5 | 2600.1 | 2684.7 |

| LTE Band 66B Channel and Frequency List_CA | | | | | |
|--|------------------------|-----------|--------|--------|---------|
| BW [MHz] | Channel/Frequency(MHz) | | Lowest | Middle | Highest |
| 15 + 5 | PCC | Channel | 132047 | 132398 | 132549 |
| | | Frequency | 1717.5 | 1752.6 | 1767.7 |
| | SCC | Channel | 132140 | 133391 | 132642 |
| | | Frequency | 1726.8 | 1761.9 | 1777.0 |

| LTE Band 66C Channel and Frequency List_CA | | | | | |
|--|------------------------|-----------|--------|--------|---------|
| BW [MHz] | Channel/Frequency(MHz) | | Lowest | Middle | Highest |
| 20 + 20 | PCC | Channel | 132072 | 132323 | 132374 |
| | | Frequency | 1720.0 | 1745.1 | 1750.2 |
| | SCC | Channel | 132270 | 133421 | 132572 |
| | | Frequency | 1739.8 | 1764.9 | 1770.0 |

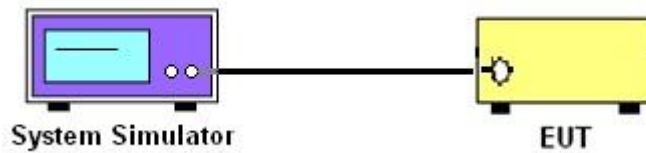
3 Conducted Test Items

3.1 Measuring Instruments

See list of measuring instruments of this test report.

3.1.1 Test Setup

3.1.2 Conducted Output Power



3.1.3 Test Result of Conducted Test

Please refer to Appendix A.



3.2 Conducted Output Power and ERP/EIRP

3.2.1 Description of the Conducted Output Power Measurement and ERP/EIRP Measurement

A system simulator was used to establish communication with the EUT. Its parameters were set to force the EUT transmitting at maximum output power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

The ERP of mobile transmitters must not exceed 7 Watts for LTE Band 5 and Band 26

The ERP of mobile transmitters must not exceed 3 Watts for LTE Band 12 and Band 13 and Band 17 and Band 71

The EIRP of mobile transmitters must not exceed 2 Watts for LTE Band 2 and Band 25 and Band 7 and Band 38 and Band 41

The EIRP of mobile transmitters must not exceed 1 Watts for LTE Band 4 and Band 66

According to KDB 412172 D01 Power Approach,

$EIRP = P_T + G_T - L_C$, $ERP = EIRP - 2.15$, where

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

L_C = signal attenuation in the connecting cable between the transmitter and antenna in dB

3.2.2 Test Procedures

1. The transmitter output port was connected to the system simulator.
2. Set EUT at maximum power through the system simulator.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Measure and record the power level from the system simulator.

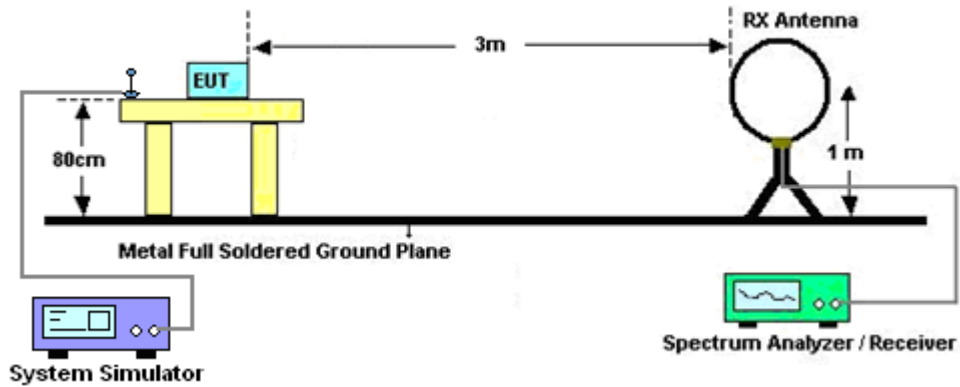
4 Radiated Test Items

4.1 Measuring Instruments

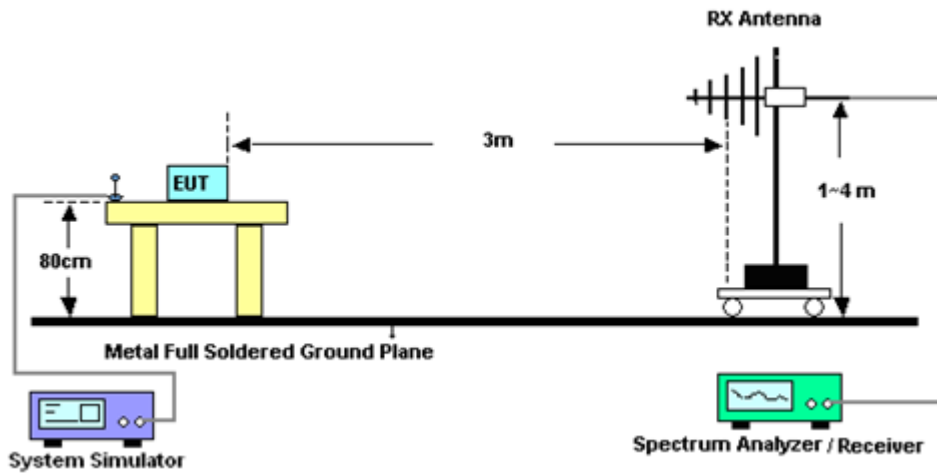
See list of measuring instruments of this test report.

4.1.1 Test Setup

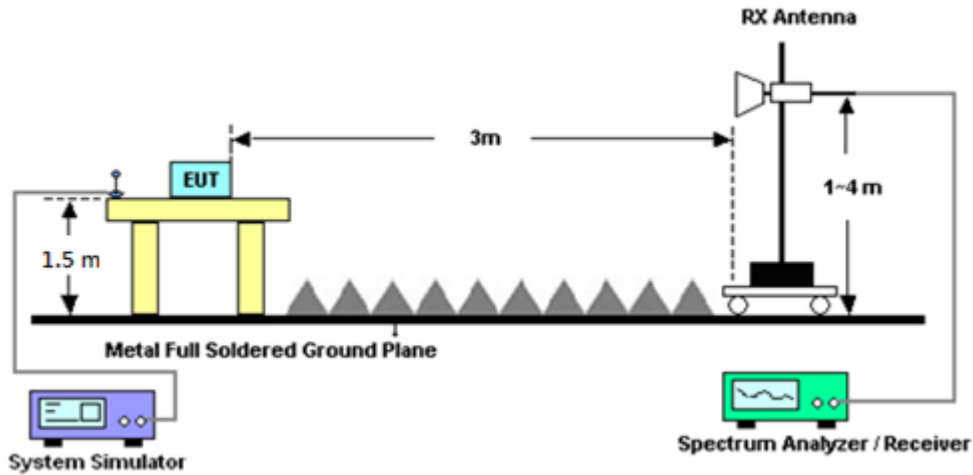
For radiated test below 30MHz



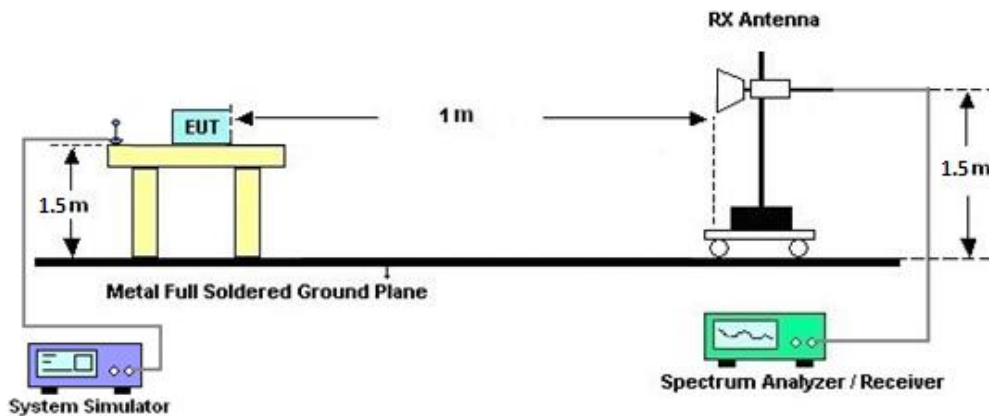
For radiated test from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



4.1.2 Test Result of Radiated Test

Please refer to Appendix B.

Note:

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.



4.2 Radiated Spurious Emission Measurement

4.2.1 Description of Radiated Spurious Emission Measurement

The radiated spurious emission was measured by substitution method according to ANSI / TIA-603-E. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

For LTE Band 7, 38, 41

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $55 + 10 \log (P)$ dB.

For LTE Band 13

For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

4.2.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 7 and ANSI / TIA-603-E Section 2.2.12.

1. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
6. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
7. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
8. Taking the record of output power at antenna port.
9. Repeat step 7 to step 8 for another polarization.
10. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)

For LTE Band 7, 38, 41

The limit line is derived from $55 + 10\log(P)$ dB below the transmitter power P(Watts)

EIRP (dBm) = S.G. Power – Tx Cable Loss + Tx Antenna Gain

ERP (dBm) = EIRP - 2.15



5 List of Measuring Equipment

| Instrument | Brand Name | Model No. | Serial No. | Characteristics | Calibration Date | Test Date | Due Date | Remark |
|-------------------------|--------------------|-----------------------------------|----------------------|----------------------------------|------------------|---------------------------------|---------------|--------------------------|
| LOOP Antenna | Rohde & Schwarz | HFH2-Z2 | 100488 | 9 kHz~30 MHz | Sep. 20, 2022 | Nov. 05, 2022~ Nov. 17, 2022 | Sep. 19, 2023 | Radiation (03CH11-HY) |
| Bilog Antenna | TESEQ | CBL 6111D & N-6-06 | 35414 & AT-N0602 | 30MHz~1GHz | Oct. 08, 2022 | Nov. 05, 2022~ Nov. 17, 2022 | Oct. 07, 2023 | Radiation (03CH11-HY) |
| Bilog Antenna | TESEQ | CBL 6111D & 00800N1D01N -06 | 41912 & 05 | 30MHz~1GHz | Feb. 06, 2022 | Nov. 05, 2022~ Nov. 17, 2022 | Feb. 05, 2023 | Radiation (03CH11-HY) |
| Horn Antenna | SCHWARZBE CK | BBHA 9120 D | 9120D-1212 | 1GHz ~ 18GHz | Mar. 10, 2022 | Nov. 05, 2022~ Nov. 17, 2022 | Mar. 09, 2023 | Radiation (03CH11-HY) |
| Horn Antenna | SCHWARZBE CK | BBHA 9120 D | 9120D-1326 | 1GHz ~ 18GHz | Aug. 24, 2022 | Nov. 05, 2022~ Nov. 17, 2022 | Aug. 23, 2023 | Radiation (03CH11-HY) |
| SHF-EHF Horn Antenna | SCHWARZBE CK | BBHA9170 | 00991 | 18GHz~40GHz | May 14, 2022 | Nov. 05, 2022~ Nov. 17, 2022 | May 13, 2023 | Radiation (03CH11-HY) |
| SHF-EHF Horn Antenna | SCHWARZBE CK | BBHA9170 | 00993 | 18GHz~40GHz | Nov. 30, 2021 | Nov. 05, 2022~ Nov. 17, 2022 | Nov. 29, 2022 | Radiation (03CH11-HY) |
| Amplifier | SONOMA | 310N | 187312 | 9kHz~1GHz | Dec. 10, 2021 | Nov. 05, 2022~ Nov. 17, 2022 | Dec. 09, 2022 | Radiation (03CH11-HY) |
| Preamplifier | Keysight | 83017A | MY53270080 | 1GHz~26.5GHz | Nov. 10, 2021 | Nov. 05, 2022~ Nov. 08, 2022 | Nov. 09, 2022 | Radiation (03CH11-HY) |
| Preamplifier | Keysight | 83017A | MY53270080 | 1GHz~26.5GHz | Nov. 09, 2022 | Nov. 09, 2022~ Nov. 17, 2022 | Nov. 08, 2023 | Radiation (03CH11-HY) |
| Preamplifier | Jet-Power | JPA0118-55-3 03 | 1710001800 055007 | 1GHz~18GHz | Jun. 15, 2022 | Nov. 05, 2022~ Nov. 17, 2022 | Jun. 14, 2023 | Radiation (03CH11-HY) |
| Preamplifier | EMEC | EM18G40G | 060801 | 18GHz~40GHz | Jun. 28, 2022 | Nov. 05, 2022~ Nov. 17, 2022 | Jun. 27, 2023 | Radiation (03CH11-HY) |
| Spectrum Analyzer | Keysight | N9010A | MY54200486 | 10Hz~44GHz | Oct. 07, 2022 | Nov. 05, 2022~ Nov. 17, 2022 | Oct. 06, 2023 | Radiation (03CH11-HY) |
| Signal Generator | Rohde & Schwarz | SMF100A | 101107 | 100kHz~40GHz | Dec. 08, 2021 | Nov. 05, 2022~ Nov. 17, 2022 | Dec. 07, 2022 | Radiation (03CH11-HY) |
| Controller | EMEC | EM 1000 | N/A | Control Turn table & Ant Mast | N/A | Nov. 05, 2022~ Nov. 17, 2022 | N/A | Radiation (03CH11-HY) |
| Antenna Mast | EMEC | AM-BS-4500-B | N/A | 1~4m | N/A | Nov. 05, 2022~ Nov. 17, 2022 | N/A | Radiation (03CH11-HY) |
| Turn Table | EMEC | TT 2000 | N/A | 0~360 Degree | N/A | Nov. 05, 2022~ Nov. 17, 2022 | N/A | Radiation (03CH11-HY) |
| Software | Audix | E3 6.2009-8-24 | RK-001053 | N/A | N/A | Nov. 05, 2022~ Nov. 17, 2022 | N/A | Radiation (03CH11-HY) |
| RF Cable | HUBER + SUHNER | SUCOFLEX 102 | MY2859/2 | 30MHz-40GHz | Mar. 10, 2022 | Nov. 05, 2022~ Nov. 17, 2022 | Mar. 09, 2023 | Radiation (03CH11-HY) |
| RF Cable | HUBER + SUHNER | SUCOFLEX 104 | MY9837/4PE | 9kHz-30MHz | Mar. 10, 2022 | Nov. 05, 2022~ Nov. 17, 2022 | Mar. 09, 2023 | Radiation (03CH11-HY) |
| RF Cable | HUBER + SUHNER | SUCOFLEX 104 | MY9837/4PE | 30MHz-18GHz | Mar. 10, 2022 | Nov. 05, 2022~ Nov. 17, 2022 | Mar. 09, 2023 | Radiation (03CH11-HY) |
| RF Cable | HUBER + SUHNER | SUCOFLEX 104 | 811852/4 | 30MHz-18GHz | Mar. 10, 2022 | Nov. 05, 2022~ Nov. 17, 2022 | Mar. 09, 2023 | Radiation (03CH11-HY) |



| Instrument | Brand Name | Model No. | Serial No. | Characteristics | Calibration Date | Test Date | Due Date | Remark |
|------------------------------|------------|----------------------------------|------------|-------------------------------------|------------------|-----------------------------|---------------|-----------------------|
| Filter | Wainwright | WHKX12-2700-3000-18000-60SS | SN3 | 3GHz High Pass Filter | Sep. 12, 2022 | Nov. 05, 2022~Nov. 17, 2022 | Sep. 11, 2023 | Radiation (03CH11-HY) |
| Filter | Wainwright | WHKX12-900-1000-15000-60SS | SN12 | 1GHz High Pass Filter | Sep. 12, 2022 | Nov. 05, 2022~Nov. 17, 2022 | Sep. 11, 2023 | Radiation (03CH11-HY) |
| Hygrometer | TECPEL | DTM-303B | TP140325 | N/A | Nov. 26, 2021 | Nov. 05, 2022~Nov. 17, 2022 | Nov. 25, 2022 | Radiation (03CH11-HY) |
| Hygrometer | TECPEL | DTM-303B | TP200886 | NA | Mar. 21, 2022 | Nov. 05, 2022~Nov. 17, 2022 | Mar. 20, 2023 | Conducted (TH03-HY) |
| Base Station (Measure) | Anritsu | MT8000A | 6262012917 | FR1 | Feb. 11, 2022 | Nov. 05, 2022~Nov. 17, 2022 | Feb. 10, 2023 | Conducted (TH03-HY) |
| Radio Communication Analyzer | Anritsu | MT8821C | 6201664755 | LTE FDD/TDD LTE-2CC DLCA/ULCA | Aug. 01, 2022 | Nov. 05, 2022~Nov. 17, 2022 | Jul. 31, 2023 | Conducted (TH03-HY) |
| Coupler | Warison | 20dB 25W SMA Directional Coupler | #B | 1-18GHz | Jan. 07, 2022 | Nov. 05, 2022~Nov. 17, 2022 | Jan. 06, 2023 | Conducted (TH03-HY) |



6 Uncertainty of Evaluation

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

| | |
|---|---------|
| Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$) | 3.15 dB |
|---|---------|

Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

| | |
|---|---------|
| Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$) | 3.41 dB |
|---|---------|

Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

| | |
|---|---------|
| Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$) | 4.45 dB |
|---|---------|



Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power & ERP/EIRP)

| LTE Band 2 Maximum Average Power [dBm] (GT - LC = -0.22 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20 | 1 | 0 | QPSK | 22.90 | 23.01 | 22.99 | 22.79 | 0.1901 |
| 20 | 1 | 0 | 16-QAM | 21.60 | 21.78 | 22.35 | 22.13 | 0.1633 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 2 Maximum Average Power [dBm] (GT - LC = -0.22 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15 | 1 | 0 | QPSK | 23.04 | 22.94 | 23.25 | 23.03 | 0.2009 |
| 15 | 1 | 0 | 16-QAM | 21.98 | 22.15 | 22.14 | 21.93 | 0.1560 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 2 Maximum Average Power [dBm] (GT - LC = -0.22 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10 | 1 | 0 | QPSK | 22.97 | 23.22 | 23.23 | 23.01 | 0.2000 |
| 10 | 1 | 0 | 16-QAM | 22.07 | 22.24 | 22.38 | 22.16 | 0.1644 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 2 Maximum Average Power [dBm] (GT - LC = -0.22 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5 | 1 | 0 | QPSK | 22.93 | 23.28 | 23.32 | 23.10 | 0.2042 |
| 5 | 1 | 0 | 16-QAM | 22.22 | 21.92 | 22.38 | 22.16 | 0.1644 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 2 Maximum Average Power [dBm] (GT - LC = -0.22 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 3 | 1 | 0 | QPSK | 23.01 | 23.14 | 23.30 | 23.08 | 0.2032 |
| 3 | 1 | 0 | 16-QAM | 22.08 | 22.14 | 22.17 | 21.95 | 0.1567 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 2 Maximum Average Power [dBm] (GT - LC = -0.22 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 1.4 | 1 | 0 | QPSK | 22.84 | 23.01 | 23.19 | 22.97 | 0.1982 |
| 1.4 | 1 | 0 | 16-QAM | 22.00 | 22.15 | 22.28 | 22.06 | 0.1607 |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 25 Maximum Average Power [dBm] (GT - LC = -0.06 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20 | 1 | 0 | QPSK | 22.92 | 22.89 | 23.04 | 22.98 | 0.1986 |
| 20 | 1 | 0 | 16-QAM | 21.78 | 21.84 | 22.04 | 21.98 | 0.1578 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 25 Maximum Average Power [dBm] (GT - LC = -0.06 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15 | 1 | 0 | QPSK | 22.86 | 23.14 | 23.00 | 23.08 | 0.2032 |
| 15 | 1 | 0 | 16-QAM | 21.96 | 22.07 | 22.31 | 22.25 | 0.1679 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 25 Maximum Average Power [dBm] (GT - LC = -0.06 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10 | 1 | 0 | QPSK | 22.98 | 23.10 | 23.13 | 23.07 | 0.2028 |
| 10 | 1 | 0 | 16-QAM | 22.54 | 22.24 | 22.16 | 22.48 | 0.1770 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 25 Maximum Average Power [dBm] (GT - LC = -0.06 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5 | 1 | 0 | QPSK | 22.93 | 23.08 | 23.13 | 23.07 | 0.2028 |
| 5 | 1 | 0 | 16-QAM | 21.72 | 22.47 | 22.23 | 22.41 | 0.1742 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 25 Maximum Average Power [dBm] (GT - LC = -0.06 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 3 | 1 | 0 | QPSK | 22.95 | 23.04 | 23.16 | 23.10 | 0.2042 |
| 3 | 1 | 0 | 16-QAM | 21.93 | 22.03 | 22.13 | 22.07 | 0.1611 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 25 Maximum Average Power [dBm] (GT - LC = -0.06 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 1.4 | 1 | 0 | QPSK | 22.77 | 22.91 | 23.01 | 22.95 | 0.1972 |
| 1.4 | 1 | 0 | 16-QAM | 21.87 | 21.97 | 22.08 | 22.02 | 0.1592 |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 4 Maximum Average Power [dBm] (GT - LC = 1.95 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20 | 1 | 0 | QPSK | 23.04 | 22.93 | 22.86 | 24.99 | 0.3155 |
| 20 | 1 | 0 | 16-QAM | 22.08 | 22.16 | 22.29 | 24.24 | 0.2655 |
| Limit | EIRP < 1W | | | Result | | | Pass | |

| LTE Band 4 Maximum Average Power [dBm] (GT - LC = 1.95 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15 | 1 | 0 | QPSK | 23.00 | 22.96 | 23.03 | 24.98 | 0.3148 |
| 15 | 1 | 0 | 16-QAM | 22.36 | 22.37 | 22.61 | 24.56 | 0.2858 |
| Limit | EIRP < 1W | | | Result | | | Pass | |

| LTE Band 4 Maximum Average Power [dBm] (GT - LC = 1.95 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10 | 1 | 0 | QPSK | 22.91 | 22.94 | 22.96 | 24.91 | 0.3097 |
| 10 | 1 | 0 | 16-QAM | 22.18 | 22.65 | 22.14 | 24.60 | 0.2884 |
| Limit | EIRP < 1W | | | Result | | | Pass | |

| LTE Band 4 Maximum Average Power [dBm] (GT - LC = 1.95 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5 | 1 | 0 | QPSK | 23.08 | 23.11 | 23.01 | 25.06 | 0.3206 |
| 5 | 1 | 0 | 16-QAM | 22.01 | 22.27 | 22.68 | 24.63 | 0.2904 |
| Limit | EIRP < 1W | | | Result | | | Pass | |

| LTE Band 4 Maximum Average Power [dBm] (GT - LC = 1.95 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 3 | 1 | 0 | QPSK | 23.08 | 23.03 | 23.01 | 25.03 | 0.3184 |
| 3 | 1 | 0 | 16-QAM | 22.18 | 22.21 | 22.09 | 24.16 | 0.2606 |
| Limit | EIRP < 1W | | | Result | | | Pass | |

| LTE Band 4 Maximum Average Power [dBm] (GT - LC = 1.95 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 1.4 | 1 | 0 | QPSK | 22.91 | 22.90 | 22.81 | 24.86 | 0.3062 |
| 1.4 | 1 | 0 | 16-QAM | 22.03 | 22.07 | 21.95 | 24.02 | 0.2523 |
| Limit | EIRP < 1W | | | Result | | | Pass | |



| LTE Band 5 Maximum Average Power [dBm] (GT - LC = 0.37 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 10 | 1 | 0 | QPSK | 24.08 | 24.10 | 24.13 | 22.35 | 0.1718 |
| 10 | 1 | 0 | 16-QAM | 23.12 | 23.40 | 23.86 | 22.08 | 0.1614 |
| Limit | ERP < 7W | | | Result | | | Pass | |

| LTE Band 5 Maximum Average Power [dBm] (GT - LC = 0.37 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 5 | 1 | 0 | QPSK | 24.19 | 24.08 | 24.25 | 22.47 | 0.1766 |
| 5 | 1 | 0 | 16-QAM | 23.42 | 23.32 | 23.47 | 21.69 | 0.1476 |
| Limit | ERP < 7W | | | Result | | | Pass | |

| LTE Band 5 Maximum Average Power [dBm] (GT - LC = 0.37 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 3 | 1 | 0 | QPSK | 24.05 | 24.10 | 23.97 | 22.32 | 0.1706 |
| 3 | 1 | 0 | 16-QAM | 23.00 | 22.99 | 23.00 | 21.22 | 0.1324 |
| Limit | ERP < 7W | | | Result | | | Pass | |

| LTE Band 5 Maximum Average Power [dBm] (GT - LC = 0.37 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 1.4 | 1 | 0 | QPSK | 23.95 | 24.01 | 23.94 | 22.23 | 0.1671 |
| 1.4 | 1 | 0 | 16-QAM | 22.97 | 23.10 | 23.05 | 21.32 | 0.1355 |
| Limit | ERP < 7W | | | Result | | | Pass | |



| LTE Band 7 Maximum Average Power [dBm] (GT - LC = 1.88 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20 | 1 | 0 | QPSK | 23.26 | 23.21 | 23.27 | 25.15 | 0.3273 |
| 20 | 1 | 0 | 16-QAM | 22.85 | 22.46 | 22.78 | 24.73 | 0.2972 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 7 Maximum Average Power [dBm] (GT - LC = 1.88 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15 | 1 | 0 | QPSK | 23.41 | 23.26 | 23.35 | 25.29 | 0.3381 |
| 15 | 1 | 0 | 16-QAM | 22.92 | 22.86 | 22.66 | 24.80 | 0.3020 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 7 Maximum Average Power [dBm] (GT - LC = 1.88 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10 | 1 | 0 | QPSK | 23.20 | 23.29 | 23.47 | 25.35 | 0.3428 |
| 10 | 1 | 0 | 16-QAM | 22.87 | 22.59 | 22.91 | 24.79 | 0.3013 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 7 Maximum Average Power [dBm] (GT - LC = 1.88 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5 | 1 | 0 | QPSK | 23.30 | 23.24 | 23.55 | 25.43 | 0.3491 |
| 5 | 1 | 0 | 16-QAM | 22.92 | 22.83 | 22.77 | 24.80 | 0.3020 |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 12 Maximum Average Power [dBm] (GT - LC = -0.33 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 10 | 1 | 0 | QPSK | 24.19 | 24.21 | 24.23 | 21.75 | 0.1496 |
| 10 | 1 | 0 | 16-QAM | 23.33 | 23.79 | 23.65 | 21.31 | 0.1352 |
| Limit | ERP < 3W | | | Result | | | Pass | |

| LTE Band 12 Maximum Average Power [dBm] (GT - LC = -0.33 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 5 | 1 | 0 | QPSK | 24.18 | 24.21 | 24.16 | 21.73 | 0.1489 |
| 5 | 1 | 0 | 16-QAM | 23.33 | 23.52 | 23.39 | 21.04 | 0.1271 |
| Limit | ERP < 3W | | | Result | | | Pass | |

| LTE Band 12 Maximum Average Power [dBm] (GT - LC = -0.33 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 3 | 1 | 0 | QPSK | 24.10 | 24.22 | 24.20 | 21.74 | 0.1493 |
| 3 | 1 | 0 | 16-QAM | 23.16 | 23.24 | 23.17 | 20.76 | 0.1191 |
| Limit | ERP < 3W | | | Result | | | Pass | |

| LTE Band 12 Maximum Average Power [dBm] (GT - LC = -0.33 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 1.4 | 1 | 0 | QPSK | 24.03 | 24.09 | 24.12 | 21.64 | 0.1459 |
| 1.4 | 1 | 0 | 16-QAM | 23.14 | 23.21 | 23.20 | 20.73 | 0.1183 |
| Limit | ERP < 3W | | | Result | | | Pass | |

| LTE Band 13 Maximum Average Power [dBm] (GT - LC = 0.96 dB) | | | | | | | | |
|---|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 10 | 1 | 0 | QPSK | - | 24.28 | - | 23.09 | 0.2037 |
| 10 | 1 | 0 | 16-QAM | - | 23.87 | - | 22.68 | 0.1854 |
| Limit | ERP < 3W | | | Result | | | Pass | |

| LTE Band 13 Maximum Average Power [dBm] (GT - LC = 0.96 dB) | | | | | | | | |
|---|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 5 | 1 | 0 | QPSK | 24.38 | 24.40 | 24.21 | 23.21 | 0.2094 |
| 5 | 1 | 0 | 16-QAM | 23.36 | 23.63 | 23.19 | 22.44 | 0.1754 |
| Limit | ERP < 3W | | | Result | | | Pass | |



| LTE Band 17 Maximum Average Power [dBm] (GT - LC = -0.08 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 10 | 1 | 0 | QPSK | 24.31 | 24.21 | 24.26 | 22.08 | 0.1614 |
| 10 | 1 | 0 | 16-QAM | 23.38 | 23.59 | 23.16 | 21.36 | 0.1368 |
| Limit | ERP < 3W | | | Result | | | Pass | |

| LTE Band 17 Maximum Average Power [dBm] (GT - LC = -0.08 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 5 | 1 | 0 | QPSK | 24.35 | 24.30 | 24.26 | 22.12 | 0.1629 |
| 5 | 1 | 0 | 16-QAM | 23.66 | 23.43 | 23.48 | 21.43 | 0.1390 |
| Limit | ERP < 3W | | | Result | | | Pass | |

| LTE Band 26 Maximum Average Power [dBm] (GT - LC = 0.67 dB) | | | | | | | | |
|---|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 15 | 1 | 0 | QPSK | 24.17 | 24.03 | 24.09 | 22.69 | 0.1858 |
| 15 | 1 | 0 | 16-QAM | 23.37 | 23.38 | 23.14 | 21.9 | 0.1549 |
| Limit | ERP < 7W | | | Result | | | Pass | |

| LTE Band 26 Maximum Average Power [dBm] (GT - LC = 0.67 dB) | | | | | | | | |
|---|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 10 | 1 | 0 | QPSK | 24.01 | 24.04 | 24.15 | 22.67 | 0.1849 |
| 10 | 1 | 0 | 16-QAM | 23.50 | 23.49 | 23.75 | 22.27 | 0.1687 |
| Limit | ERP < 7W | | | Result | | | Pass | |

| LTE Band 26 Maximum Average Power [dBm] (GT - LC = 0.67 dB) | | | | | | | | |
|---|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 5 | 1 | 0 | QPSK | 24.13 | 24.11 | 24.22 | 22.74 | 0.1879 |
| 5 | 1 | 0 | 16-QAM | 23.20 | 23.47 | 23.39 | 21.99 | 0.1581 |
| Limit | ERP < 7W | | | Result | | | Pass | |

| LTE Band 26 Maximum Average Power [dBm] (GT - LC = 0.67 dB) | | | | | | | | |
|---|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 3 | 1 | 0 | QPSK | 24.05 | 24.13 | 24.07 | 22.65 | 0.1841 |
| 3 | 1 | 0 | 16-QAM | 22.88 | 23.03 | 22.96 | 21.55 | 0.1429 |
| Limit | ERP < 7W | | | Result | | | Pass | |

| LTE Band 26 Maximum Average Power [dBm] (GT - LC = 0.67 dB) | | | | | | | | |
|---|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 1.4 | 1 | 0 | QPSK | 23.81 | 24.06 | 23.96 | 22.58 | 0.1811 |
| 1.4 | 1 | 0 | 16-QAM | 22.94 | 23.07 | 23.05 | 21.59 | 0.1442 |
| Limit | ERP < 7W | | | Result | | | Pass | |



| LTE Band 38 Maximum Average Power [dBm] (GT - LC = 1.84 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20 | 1 | 0 | QPSK | 23.52 | 23.31 | 23.26 | 25.36 | 0.3436 |
| 20 | 1 | 0 | 16-QAM | 22.54 | 22.39 | 22.34 | 24.38 | 0.2742 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 38 Maximum Average Power [dBm] (GT - LC = 1.84 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15 | 1 | 0 | QPSK | 23.49 | 23.16 | 23.10 | 25.33 | 0.3412 |
| 15 | 1 | 0 | 16-QAM | 22.45 | 22.29 | 22.16 | 24.29 | 0.2685 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 38 Maximum Average Power [dBm] (GT - LC = 1.84 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10 | 1 | 0 | QPSK | 23.47 | 23.31 | 23.24 | 25.31 | 0.3396 |
| 10 | 1 | 0 | 16-QAM | 22.38 | 22.26 | 22.18 | 24.22 | 0.2642 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 38 Maximum Average Power [dBm] (GT - LC = 1.84 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5 | 1 | 0 | QPSK | 23.40 | 23.27 | 23.07 | 25.24 | 0.3342 |
| 5 | 1 | 0 | 16-QAM | 22.52 | 22.30 | 22.14 | 24.36 | 0.2729 |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 66 Maximum Average Power [dBm] (GT - LC = 1.55 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20 | 1 | 0 | QPSK | 22.85 | 22.73 | 22.77 | 24.40 | 0.2754 |
| 20 | 1 | 0 | 16-QAM | 22.08 | 22.16 | 21.77 | 23.71 | 0.2350 |
| Limit | EIRP < 1W | | | Result | | | Pass | |

| LTE Band 66 Maximum Average Power [dBm] (GT - LC = 1.55 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15 | 1 | 0 | QPSK | 23.14 | 23.02 | 22.73 | 24.69 | 0.2944 |
| 15 | 1 | 0 | 16-QAM | 22.18 | 22.16 | 22.22 | 23.77 | 0.2382 |
| Limit | EIRP < 1W | | | Result | | | Pass | |

| LTE Band 66 Maximum Average Power [dBm] (GT - LC = 1.55 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10 | 1 | 0 | QPSK | 23.02 | 22.95 | 22.88 | 24.57 | 0.2864 |
| 10 | 1 | 0 | 16-QAM | 22.12 | 22.34 | 22.42 | 23.97 | 0.2495 |
| Limit | EIRP < 1W | | | Result | | | Pass | |

| LTE Band 66 Maximum Average Power [dBm] (GT - LC = 1.55 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5 | 1 | 0 | QPSK | 23.08 | 23.08 | 22.90 | 24.63 | 0.2904 |
| 5 | 1 | 0 | 16-QAM | 21.78 | 22.14 | 22.27 | 23.82 | 0.2410 |
| Limit | EIRP < 1W | | | Result | | | Pass | |

| LTE Band 66 Maximum Average Power [dBm] (GT - LC = 1.55 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 3 | 1 | 0 | QPSK | 23.11 | 22.90 | 22.93 | 24.66 | 0.2924 |
| 3 | 1 | 0 | 16-QAM | 22.09 | 21.93 | 21.92 | 23.64 | 0.2312 |
| Limit | EIRP < 1W | | | Result | | | Pass | |

| LTE Band 66 Maximum Average Power [dBm] (GT - LC = 1.55 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 1.4 | 1 | 0 | QPSK | 23.27 | 23.09 | 23.07 | 24.82 | 0.3034 |
| 1.4 | 1 | 0 | 16-QAM | 22.37 | 22.27 | 22.23 | 23.92 | 0.2466 |
| Limit | EIRP < 1W | | | Result | | | Pass | |



| LTE Band 71 Maximum Average Power [dBm] (GT - LC = -0.39 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 20 | 1 | 0 | QPSK | 24.19 | 24.23 | 24.37 | 21.83 | 0.1524 |
| 20 | 1 | 0 | 16-QAM | 23.08 | 23.29 | 23.06 | 20.75 | 0.1189 |
| Limit | ERP < 3W | | | Result | | | Pass | |

| LTE Band 71 Maximum Average Power [dBm] (GT - LC = -0.39 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 15 | 1 | 0 | QPSK | 24.17 | 24.10 | 24.36 | 21.82 | 0.1521 |
| 15 | 1 | 0 | 16-QAM | 23.43 | 23.63 | 23.66 | 21.12 | 0.1294 |
| Limit | ERP < 3W | | | Result | | | Pass | |

| LTE Band 71 Maximum Average Power [dBm] (GT - LC = -0.39 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 10 | 1 | 0 | QPSK | 24.22 | 24.22 | 24.33 | 21.79 | 0.1510 |
| 10 | 1 | 0 | 16-QAM | 23.79 | 23.55 | 23.75 | 21.25 | 0.1334 |
| Limit | ERP < 3W | | | Result | | | Pass | |

| LTE Band 71 Maximum Average Power [dBm] (GT - LC = -0.39 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 5 | 1 | 0 | QPSK | 24.27 | 24.23 | 24.32 | 21.78 | 0.1507 |
| 5 | 1 | 0 | 16-QAM | 23.25 | 23.29 | 23.58 | 21.04 | 0.1271 |
| Limit | ERP < 3W | | | Result | | | Pass | |



| LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = 1.87 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20 | 1 | 0 | QPSK | 24.90 | 24.36 | 24.63 | 26.77 | 0.4753 |
| 20 | 1 | 0 | 16-QAM | 23.98 | 23.40 | 23.69 | 25.85 | 0.3846 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = 1.87 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15 | 1 | 0 | QPSK | 24.84 | 24.32 | 24.63 | 26.71 | 0.4688 |
| 15 | 1 | 0 | 16-QAM | 23.90 | 23.32 | 23.65 | 25.77 | 0.3776 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = 1.87 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10 | 1 | 0 | QPSK | 24.83 | 24.32 | 24.60 | 26.70 | 0.4677 |
| 10 | 1 | 0 | 16-QAM | 23.82 | 23.22 | 23.57 | 25.69 | 0.3707 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = 1.87 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5 | 1 | 0 | QPSK | 24.83 | 24.25 | 24.51 | 26.70 | 0.4677 |
| 5 | 1 | 0 | 16-QAM | 23.75 | 23.21 | 23.56 | 25.62 | 0.3648 |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 5B_CA Maximum Average Power [dBm] (GT - LC = 0.37 dB) | | | | | | | | | | |
|---|----------|-----------|---------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | PCC | | SCC | | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| | RB Size | RB Offset | RB Size | RB Offset | | | | | | |
| 10+10 | 1 | 49 | 1 | 0 | QPSK | 24.08 | 23.48 | 23.51 | 22.30 | 0.1698 |
| 10+10 | 1 | 49 | 1 | 0 | 16-QAM | 22.87 | 22.58 | 22.65 | 21.09 | 0.1285 |
| 10+10 | 1 | 49 | 1 | 0 | 64-QAM | 21.19 | 20.38 | 20.57 | 19.65 | 0.0923 |
| Limit | ERP < 7W | | | | | Result | | | Pass | |

| LTE Band 66B_CA Maximum Average Power [dBm] (GT - LC = 1.55 dB) | | | | | | | | | | |
|--|-----------|-----------|---------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | PCC | | SCC | | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| | RB Size | RB Offset | RB Size | RB Offset | | | | | | |
| 15+5 | 1 | 74 | 1 | 0 | QPSK | 22.46 | 22.46 | 22.46 | 24.01 | 0.2518 |
| 15+5 | 1 | 74 | 1 | 0 | 16-QAM | 21.62 | 21.61 | 21.53 | 23.17 | 0.2075 |
| 15+5 | 1 | 74 | 1 | 0 | 64-QAM | 19.69 | 19.63 | 19.60 | 21.37 | 0.1371 |
| Limit | EIRP < 1W | | | | | Result | | | Pass | |

| LTE Band 66C_CA Maximum Average Power [dBm] (GT - LC = 1.55 dB) | | | | | | | | | | |
|--|-----------|-----------|---------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | PCC | | SCC | | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| | RB Size | RB Offset | RB Size | RB Offset | | | | | | |
| 20+15 | 1 | 74 | 1 | 0 | QPSK | 22.54 | 22.33 | 22.36 | 24.09 | 0.2564 |
| 20+15 | 1 | 74 | 1 | 0 | 16-QAM | 21.67 | 21.47 | 21.38 | 23.22 | 0.2099 |
| 20+15 | 1 | 74 | 1 | 0 | 64-QAM | 19.71 | 19.48 | 19.55 | 21.47 | 0.1403 |
| Limit | EIRP < 1W | | | | | Result | | | Pass | |

| LTE Band 66C_CA Maximum Average Power [dBm] (GT - LC = 1.55 dB) | | | | | | | | | | |
|--|-----------|-----------|---------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | PCC | | SCC | | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| | RB Size | RB Offset | RB Size | RB Offset | | | | | | |
| 20+10 | 1 | 99 | 1 | 0 | QPSK | 22.26 | 22.21 | 22.27 | 23.82 | 0.2410 |
| 20+10 | 1 | 99 | 1 | 0 | 16-QAM | 21.28 | 21.31 | 21.31 | 22.86 | 0.1932 |
| 10+20 | 1 | 49 | 1 | 0 | QPSK | 22.27 | 22.18 | 22.21 | 23.82 | 0.2410 |
| 10+20 | 1 | 49 | 1 | 0 | 16-QAM | 21.35 | 21.23 | 21.34 | 22.90 | 0.1950 |
| 20+5 | 1 | 99 | 1 | 0 | QPSK | 22.19 | 22.19 | 22.19 | 23.74 | 0.2366 |
| 20+5 | 1 | 99 | 1 | 0 | 16-QAM | 21.31 | 21.28 | 21.30 | 22.86 | 0.1932 |
| Limit | EIRP < 1W | | | | | Result | | | Pass | |



| LTE Band 66C_CA Maximum Average Power [dBm] (GT - LC = 1.55 dB) | | | | | | | | | | |
|---|-----------|-----------|---------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | PCC | | SCC | | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| | RB Size | RB Offset | RB Size | RB Offset | | | | | | |
| 5+20 | 1 | 24 | 1 | 0 | QPSK | 22.30 | 22.16 | 22.15 | 23.85 | 0.2427 |
| 5+20 | 1 | 24 | 1 | 0 | 16-QAM | 21.30 | 21.24 | 21.25 | 22.85 | 0.1928 |
| Limit | EIRP < 1W | | | | | Result | | | Pass | |

| LTE Band 66C_CA Maximum Average Power [dBm] (GT - LC = 1.55 dB) | | | | | | | | | | |
|---|-----------|-----------|---------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | PCC | | SCC | | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| | RB Size | RB Offset | RB Size | RB Offset | | | | | | |
| 15+10 | 1 | 74 | 1 | 0 | QPSK | 22.36 | 22.35 | 22.36 | 23.91 | 0.2460 |
| 15+10 | 1 | 74 | 1 | 0 | 16-QAM | 21.47 | 21.42 | 21.49 | 23.04 | 0.2014 |
| 10+15 | 1 | 49 | 1 | 0 | QPSK | 22.38 | 22.29 | 22.36 | 23.93 | 0.2472 |
| 10+15 | 1 | 49 | 1 | 0 | 16-QAM | 21.46 | 21.42 | 21.38 | 23.01 | 0.2000 |
| 15+15 | 1 | 74 | 1 | 0 | QPSK | 22.51 | 22.43 | 22.49 | 24.06 | 0.2547 |
| 15+15 | 1 | 74 | 1 | 0 | 16-QAM | 21.62 | 21.46 | 21.55 | 23.17 | 0.2075 |
| Limit | EIRP < 1W | | | | | Result | | | Pass | |



| LTE Band 7C_CA Maximum Average Power [dBm] (GT - LC = 1.88 dB) | | | | | | | | | | |
|--|-----------|-----------|---------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | PCC | | SCC | | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| | RB Size | RB Offset | RB Size | RB Offset | | | | | | |
| 20+20 | 1 | 99 | 1 | 0 | QPSK | 22.59 | 22.73 | 22.82 | 24.70 | 0.2951 |
| 20+20 | 1 | 99 | 1 | 0 | 16-QAM | 21.69 | 21.87 | 21.92 | 23.80 | 0.2399 |
| 20+15 | 1 | 99 | 1 | 0 | QPSK | 22.24 | 22.31 | 22.33 | 24.21 | 0.2636 |
| 20+15 | 1 | 99 | 1 | 0 | 16-QAM | 21.45 | 21.51 | 21.45 | 23.39 | 0.2183 |
| 15+20 | 1 | 74 | 1 | 0 | QPSK | 22.30 | 22.29 | 22.39 | 24.27 | 0.2673 |
| 15+20 | 1 | 74 | 1 | 0 | 16-QAM | 21.49 | 21.30 | 21.53 | 23.41 | 0.2193 |
| Limit | EIRP < 2W | | | | | Result | | | Pass | |

| LTE Band 7C_CA Maximum Average Power [dBm] (GT - LC = 1.88 dB) | | | | | | | | | | |
|--|-----------|-----------|---------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | PCC | | SCC | | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| | RB Size | RB Offset | RB Size | RB Offset | | | | | | |
| 20+10 | 1 | 99 | 1 | 0 | QPSK | 22.15 | 22.11 | 22.25 | 24.13 | 0.2588 |
| 20+10 | 1 | 99 | 1 | 0 | 16-QAM | 21.31 | 21.26 | 21.39 | 23.27 | 0.2123 |
| 10+20 | 1 | 74 | 1 | 0 | QPSK | 22.11 | 22.08 | 22.29 | 24.17 | 0.2612 |
| 10+20 | 1 | 74 | 1 | 0 | 16-QAM | 21.32 | 21.27 | 21.43 | 23.31 | 0.2143 |
| 15+15 | 1 | 74 | 1 | 0 | QPSK | 22.34 | 22.48 | 22.37 | 24.36 | 0.2729 |
| 15+15 | 1 | 74 | 1 | 0 | 16-QAM | 21.46 | 21.53 | 21.57 | 23.45 | 0.2213 |
| Limit | EIRP < 2W | | | | | Result | | | Pass | |

| LTE Band 7C_CA Maximum Average Power [dBm] (GT - LC = 1.88 dB) | | | | | | | | | | |
|--|-----------|-----------|---------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | PCC | | SCC | | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| | RB Size | RB Offset | RB Size | RB Offset | | | | | | |
| 15+10 | 1 | 74 | 1 | 0 | QPSK | 22.25 | 22.31 | 22.36 | 24.24 | 0.2655 |
| 15+10 | 1 | 74 | 1 | 0 | 16-QAM | 21.31 | 21.45 | 21.47 | 23.35 | 0.2163 |
| Limit | EIRP < 2W | | | | | Result | | | Pass | |

| LTE Band 38C_CA Maximum Average Power [dBm] (GT - LC = 1.84 dB) | | | | | | | | | | |
|---|-----------|-----------|---------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | PCC | | SCC | | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| | RB Size | RB Offset | RB Size | RB Offset | | | | | | |
| 20+20 | 1 | 99 | 1 | 0 | QPSK | 23.14 | 23.21 | 23.22 | 25.06 | 0.3206 |
| 20+20 | 1 | 99 | 1 | 0 | 16-QAM | 22.25 | 22.31 | 22.26 | 24.15 | 0.2600 |
| 15+15 | 1 | 74 | 1 | 0 | QPSK | 22.70 | 22.72 | 22.75 | 24.59 | 0.2877 |
| 15+15 | 1 | 74 | 1 | 0 | 16-QAM | 21.84 | 21.83 | 21.87 | 23.71 | 0.2350 |
| Limit | EIRP < 2W | | | | | Result | | | Pass | |



| LTE Band 41C(HPUE)_CA Maximum Average Power [dBm] (GT - LC = 1.87 dB) | | | | | | | | | | |
|---|-----------|-----------|---------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | PCC | | SCC | | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| | RB Size | RB Offset | RB Size | RB Offset | | | | | | |
| 20+20 | 1 | 99 | 1 | 0 | QPSK | 22.96 | 22.76 | 22.10 | 24.83 | 0.3041 |
| 20+20 | 1 | 99 | 1 | 0 | 16-QAM | 22.89 | 22.74 | 22.11 | 24.76 | 0.2992 |
| 20+15 | 1 | 99 | 1 | 0 | QPSK | 23.22 | 22.93 | 22.52 | 25.09 | 0.3228 |
| 20+15 | 1 | 99 | 1 | 0 | 16-QAM | 23.05 | 22.92 | 22.55 | 24.92 | 0.3105 |
| 15+20 | 1 | 74 | 1 | 0 | QPSK | 23.42 | 22.77 | 22.47 | 25.29 | 0.3381 |
| 15+20 | 1 | 74 | 1 | 0 | 16-QAM | 23.18 | 22.76 | 22.49 | 25.05 | 0.3199 |
| Limit | EIRP < 2W | | | | | Result | | | Pass | |

| LTE Band 41C(HPUE)_CA Maximum Average Power [dBm] (GT - LC = 1.87 dB) | | | | | | | | | | |
|---|-----------|-----------|---------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | PCC | | SCC | | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| | RB Size | RB Offset | RB Size | RB Offset | | | | | | |
| 20+10 | 1 | 99 | 1 | 0 | QPSK | 23.16 | 22.81 | 22.45 | 25.03 | 0.3184 |
| 20+10 | 1 | 99 | 1 | 0 | 16-QAM | 22.89 | 22.82 | 22.47 | 24.76 | 0.2992 |
| 10+20 | 1 | 49 | 1 | 0 | QPSK | 23.12 | 22.23 | 22.31 | 24.99 | 0.3155 |
| 10+20 | 1 | 49 | 1 | 0 | 16-QAM | 23.14 | 22.24 | 22.32 | 25.01 | 0.3170 |
| 20+5 | 1 | 99 | 1 | 0 | QPSK | 23.23 | 22.94 | 22.54 | 25.10 | 0.3236 |
| 20+5 | 1 | 99 | 1 | 0 | 16-QAM | 22.90 | 22.87 | 22.50 | 24.77 | 0.2999 |
| Limit | EIRP < 2W | | | | | Result | | | Pass | |

| LTE Band 41C(HPUE)_CA Maximum Average Power [dBm] (GT - LC = 1.87 dB) | | | | | | | | | | |
|---|-----------|-----------|---------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | PCC | | SCC | | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| | RB Size | RB Offset | RB Size | RB Offset | | | | | | |
| 5+20 | 1 | 24 | 1 | 0 | QPSK | 22.60 | 21.69 | 22.38 | 24.82 | 0.3034 |
| 5+20 | 1 | 24 | 1 | 0 | 16-QAM | 22.59 | 21.62 | 22.34 | 24.46 | 0.2793 |
| 15+10 | 1 | 74 | 1 | 0 | QPSK | 23.22 | 22.72 | 22.30 | 25.09 | 0.3228 |
| 15+10 | 1 | 74 | 1 | 0 | 16-QAM | 23.16 | 22.71 | 22.31 | 25.03 | 0.3184 |
| 10+15 | 1 | 49 | 1 | 0 | QPSK | 23.55 | 22.76 | 22.56 | 25.42 | 0.3483 |
| 10+15 | 1 | 49 | 1 | 0 | 16-QAM | 23.37 | 22.77 | 22.59 | 25.24 | 0.3342 |
| Limit | EIRP < 2W | | | | | Result | | | Pass | |

| LTE Band 41C(HPUE)_CA Maximum Average Power [dBm] (GT - LC = 1.87 dB) | | | | | | | | | | |
|---|-----------|-----------|---------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | PCC | | SCC | | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| | RB Size | RB Offset | RB Size | RB Offset | | | | | | |
| 15+15 | 1 | 74 | 1 | 0 | QPSK | 23.53 | 22.93 | 22.75 | 25.40 | 0.3467 |
| 15+15 | 1 | 74 | 1 | 0 | 16-QAM | 23.30 | 22.93 | 22.77 | 25.17 | 0.3289 |
| Limit | EIRP < 2W | | | | | Result | | | Pass | |



| LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = 2.28 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20 | 1 | 0 | QPSK | 26.28 | 26.80 | 26.73 | 29.08 | 0.8091 |
| 20 | 1 | 0 | 16-QAM | 25.32 | 25.83 | 25.79 | 28.11 | 0.6471 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = 2.28 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15 | 1 | 0 | QPSK | 26.22 | 26.63 | 26.68 | 28.96 | 0.7870 |
| 15 | 1 | 0 | 16-QAM | 25.13 | 25.80 | 25.73 | 28.08 | 0.6427 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = 2.28 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10 | 1 | 0 | QPSK | 26.26 | 26.65 | 26.58 | 28.93 | 0.7816 |
| 10 | 1 | 0 | 16-QAM | 25.16 | 25.78 | 25.60 | 28.06 | 0.6397 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = 2.28 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5 | 1 | 0 | QPSK | 26.12 | 26.71 | 26.66 | 28.99 | 0.7925 |
| 5 | 1 | 0 | 16-QAM | 25.18 | 25.75 | 25.78 | 28.06 | 0.6397 |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 2 Maximum Average Power [dBm] (GT - LC = 0.2 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20 | 1 | 0 | QPSK | 22.52 | 22.92 | 22.85 | 23.12 | 0.2051 |
| 20 | 1 | 0 | 16-QAM | 21.64 | 21.74 | 21.76 | 21.96 | 0.1570 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 2 Maximum Average Power [dBm] (GT - LC = 0.2 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15 | 1 | 0 | QPSK | 22.49 | 22.89 | 22.73 | 23.09 | 0.2037 |
| 15 | 1 | 0 | 16-QAM | 21.55 | 21.70 | 21.60 | 21.90 | 0.1549 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 2 Maximum Average Power [dBm] (GT - LC = 0.2 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10 | 1 | 0 | QPSK | 22.39 | 22.79 | 22.84 | 23.04 | 0.2014 |
| 10 | 1 | 0 | 16-QAM | 21.56 | 21.61 | 21.72 | 21.92 | 0.1556 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 2 Maximum Average Power [dBm] (GT - LC = 0.2 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5 | 1 | 0 | QPSK | 22.40 | 22.86 | 22.76 | 23.06 | 0.2023 |
| 5 | 1 | 0 | 16-QAM | 21.63 | 21.54 | 21.61 | 21.83 | 0.1524 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 2 Maximum Average Power [dBm] (GT - LC = 0.2 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 3 | 1 | 0 | QPSK | 22.46 | 22.78 | 22.78 | 22.98 | 0.1986 |
| 3 | 1 | 0 | 16-QAM | 21.60 | 21.63 | 21.60 | 21.83 | 0.1524 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 2 Maximum Average Power [dBm] (GT - LC = 0.2 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 1.4 | 1 | 0 | QPSK | 22.35 | 22.53 | 22.63 | 22.83 | 0.1919 |
| 1.4 | 1 | 0 | 16-QAM | 21.58 | 21.56 | 21.71 | 21.91 | 0.1552 |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 25 Maximum Average Power [dBm] (GT - LC = 0.39 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20 | 1 | 0 | QPSK | 22.69 | 22.89 | 22.85 | 23.28 | 0.2128 |
| 20 | 1 | 0 | 16-QAM | 21.52 | 21.78 | 21.60 | 22.17 | 0.1648 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 25 Maximum Average Power [dBm] (GT - LC = 0.39 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15 | 1 | 0 | QPSK | 22.54 | 22.70 | 22.75 | 23.14 | 0.2061 |
| 15 | 1 | 0 | 16-QAM | 21.42 | 21.77 | 21.59 | 22.16 | 0.1644 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 25 Maximum Average Power [dBm] (GT - LC = 0.39 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10 | 1 | 0 | QPSK | 22.68 | 22.73 | 22.65 | 23.12 | 0.2051 |
| 10 | 1 | 0 | 16-QAM | 21.40 | 21.73 | 21.48 | 22.12 | 0.1629 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 25 Maximum Average Power [dBm] (GT - LC = 0.39 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5 | 1 | 0 | QPSK | 22.62 | 22.73 | 22.76 | 23.15 | 0.2065 |
| 5 | 1 | 0 | 16-QAM | 21.37 | 21.58 | 21.51 | 21.97 | 0.1574 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 25 Maximum Average Power [dBm] (GT - LC = 0.39 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 3 | 1 | 0 | QPSK | 22.50 | 22.84 | 22.76 | 23.23 | 0.2104 |
| 3 | 1 | 0 | 16-QAM | 21.40 | 21.76 | 21.41 | 22.15 | 0.1641 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 25 Maximum Average Power [dBm] (GT - LC = 0.39 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 1.4 | 1 | 0 | QPSK | 22.39 | 22.48 | 22.59 | 22.98 | 0.1986 |
| 1.4 | 1 | 0 | 16-QAM | 21.49 | 21.52 | 21.70 | 22.09 | 0.1618 |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 4 Maximum Average Power [dBm] (GT - LC = 0.93 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20 | 1 | 0 | QPSK | 22.82 | 22.84 | 23.01 | 23.94 | 0.2477 |
| 20 | 1 | 0 | 16-QAM | 21.70 | 21.77 | 21.83 | 22.76 | 0.1888 |
| Limit | EIRP < 1W | | | Result | | | Pass | |

| LTE Band 4 Maximum Average Power [dBm] (GT - LC = 0.93 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15 | 1 | 0 | QPSK | 22.82 | 22.78 | 22.96 | 23.89 | 0.2449 |
| 15 | 1 | 0 | 16-QAM | 21.61 | 21.64 | 21.82 | 22.75 | 0.1884 |
| Limit | EIRP < 1W | | | Result | | | Pass | |

| LTE Band 4 Maximum Average Power [dBm] (GT - LC = 0.93 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10 | 1 | 0 | QPSK | 22.70 | 22.79 | 22.92 | 23.85 | 0.2427 |
| 10 | 1 | 0 | 16-QAM | 21.50 | 21.60 | 21.66 | 22.59 | 0.1816 |
| Limit | EIRP < 1W | | | Result | | | Pass | |

| LTE Band 4 Maximum Average Power [dBm] (GT - LC = 0.93 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5 | 1 | 0 | QPSK | 22.72 | 22.77 | 22.88 | 23.81 | 0.2404 |
| 5 | 1 | 0 | 16-QAM | 21.59 | 21.69 | 21.65 | 22.62 | 0.1828 |
| Limit | EIRP < 1W | | | Result | | | Pass | |

| LTE Band 4 Maximum Average Power [dBm] (GT - LC = 0.93 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 3 | 1 | 0 | QPSK | 22.70 | 22.76 | 22.95 | 23.88 | 0.2443 |
| 3 | 1 | 0 | 16-QAM | 21.67 | 21.75 | 21.69 | 22.68 | 0.1854 |
| Limit | EIRP < 1W | | | Result | | | Pass | |

| LTE Band 4 Maximum Average Power [dBm] (GT - LC = 0.93 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 1.4 | 1 | 0 | QPSK | 22.55 | 22.72 | 22.70 | 23.65 | 0.2317 |
| 1.4 | 1 | 0 | 16-QAM | 21.73 | 21.84 | 21.82 | 22.77 | 0.1892 |
| Limit | EIRP < 1W | | | Result | | | Pass | |



| LTE Band 7 Maximum Average Power [dBm] (GT - LC = 2.28 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20 | 1 | 0 | QPSK | 23.10 | 23.34 | 23.48 | 25.76 | 0.3767 |
| 20 | 1 | 0 | 16-QAM | 21.98 | 22.32 | 22.29 | 24.60 | 0.2884 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 7 Maximum Average Power [dBm] (GT - LC = 2.28 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15 | 1 | 0 | QPSK | 23.05 | 23.32 | 23.37 | 25.65 | 0.3673 |
| 15 | 1 | 0 | 16-QAM | 21.89 | 22.25 | 22.15 | 24.53 | 0.2838 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 7 Maximum Average Power [dBm] (GT - LC = 2.28 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10 | 1 | 0 | QPSK | 22.97 | 23.24 | 23.33 | 25.61 | 0.3639 |
| 10 | 1 | 0 | 16-QAM | 21.78 | 22.19 | 22.12 | 24.47 | 0.2799 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 7 Maximum Average Power [dBm] (GT - LC = 2.28 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5 | 1 | 0 | QPSK | 23.05 | 23.19 | 23.39 | 25.67 | 0.3690 |
| 5 | 1 | 0 | 16-QAM | 21.93 | 22.13 | 22.26 | 24.54 | 0.2844 |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 38 Maximum Average Power [dBm] (GT - LC = 1.79 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20 | 1 | 0 | QPSK | 22.54 | 22.70 | 22.62 | 24.49 | 0.2812 |
| 20 | 1 | 0 | 16-QAM | 21.58 | 21.78 | 21.70 | 23.57 | 0.2275 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 38 Maximum Average Power [dBm] (GT - LC = 1.79 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15 | 1 | 0 | QPSK | 22.53 | 22.64 | 22.57 | 24.43 | 0.2773 |
| 15 | 1 | 0 | 16-QAM | 21.60 | 21.77 | 21.73 | 23.56 | 0.2270 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 38 Maximum Average Power [dBm] (GT - LC = 1.79 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10 | 1 | 0 | QPSK | 22.47 | 22.57 | 22.59 | 24.38 | 0.2742 |
| 10 | 1 | 0 | 16-QAM | 21.62 | 21.82 | 21.69 | 23.61 | 0.2296 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 38 Maximum Average Power [dBm] (GT - LC = 1.79 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5 | 1 | 0 | QPSK | 22.53 | 22.62 | 22.63 | 24.42 | 0.2767 |
| 5 | 1 | 0 | 16-QAM | 21.66 | 21.76 | 21.66 | 23.55 | 0.2265 |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 66 Maximum Average Power [dBm] (GT - LC = 1.13 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20 | 1 | 0 | QPSK | 22.77 | 22.78 | 23.02 | 24.15 | 0.2600 |
| 20 | 1 | 0 | 16-QAM | 21.58 | 21.67 | 21.77 | 22.90 | 0.1950 |
| Limit | EIRP < 1W | | | Result | | | Pass | |

| LTE Band 66 Maximum Average Power [dBm] (GT - LC = 1.13 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15 | 1 | 0 | QPSK | 22.60 | 22.64 | 22.89 | 24.02 | 0.2523 |
| 15 | 1 | 0 | 16-QAM | 21.42 | 21.51 | 21.75 | 22.88 | 0.1941 |
| Limit | EIRP < 1W | | | Result | | | Pass | |

| LTE Band 66 Maximum Average Power [dBm] (GT - LC = 1.13 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10 | 1 | 0 | QPSK | 22.69 | 22.59 | 22.99 | 24.12 | 0.2582 |
| 10 | 1 | 0 | 16-QAM | 21.46 | 21.51 | 21.66 | 22.79 | 0.1901 |
| Limit | EIRP < 1W | | | Result | | | Pass | |

| LTE Band 66 Maximum Average Power [dBm] (GT - LC = 1.13 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5 | 1 | 0 | QPSK | 22.70 | 22.68 | 22.87 | 24.00 | 0.2512 |
| 5 | 1 | 0 | 16-QAM | 21.55 | 21.47 | 21.63 | 22.76 | 0.1888 |
| Limit | EIRP < 1W | | | Result | | | Pass | |

| LTE Band 66 Maximum Average Power [dBm] (GT - LC = 1.13 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 3 | 1 | 0 | QPSK | 22.70 | 22.64 | 22.91 | 24.04 | 0.2535 |
| 3 | 1 | 0 | 16-QAM | 21.55 | 21.48 | 21.72 | 22.85 | 0.1928 |
| Limit | EIRP < 1W | | | Result | | | Pass | |

| LTE Band 66 Maximum Average Power [dBm] (GT - LC = 1.13 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 1.4 | 1 | 0 | QPSK | 22.22 | 22.37 | 22.45 | 23.58 | 0.2280 |
| 1.4 | 1 | 0 | 16-QAM | 21.39 | 21.42 | 21.51 | 22.64 | 0.1837 |
| Limit | EIRP < 1W | | | Result | | | Pass | |



| LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = 2.28 dB) | | | | | | | | | | |
|---|-----------|-----------|---------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | PCC | | SCC | | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| | RB Size | RB Offset | RB Size | RB Offset | | | | | | |
| 20+20 | 1 | 99 | 1 | 0 | QPSK | 22.75 | 22.67 | 22.76 | 25.04 | 0.3192 |
| 20+20 | 1 | 99 | 1 | 0 | 16-QAM | 21.81 | 21.75 | 21.83 | 24.11 | 0.2576 |
| 20+15 | 1 | 99 | 1 | 0 | QPSK | 22.80 | 22.75 | 22.99 | 25.27 | 0.3365 |
| 20+15 | 1 | 99 | 1 | 0 | 16-QAM | 21.88 | 21.82 | 22.06 | 24.34 | 0.2716 |
| 15+20 | 1 | 74 | 1 | 0 | QPSK | 22.51 | 22.56 | 22.65 | 24.93 | 0.3112 |
| 15+20 | 1 | 74 | 1 | 0 | 16-QAM | 21.57 | 21.61 | 21.73 | 24.01 | 0.2518 |
| Limit | EIRP < 2W | | | | | Result | | | Pass | |

| LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = 2.28 dB) | | | | | | | | | | |
|---|-----------|-----------|---------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | PCC | | SCC | | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| | RB Size | RB Offset | RB Size | RB Offset | | | | | | |
| 20+10 | 1 | 99 | 1 | 0 | QPSK | 22.77 | 22.74 | 22.72 | 25.05 | 0.3199 |
| 20+10 | 1 | 99 | 1 | 0 | 16-QAM | 21.78 | 21.77 | 21.80 | 24.08 | 0.2559 |
| 10+20 | 1 | 49 | 1 | 0 | QPSK | 22.54 | 22.49 | 22.69 | 24.97 | 0.3141 |
| 10+20 | 1 | 49 | 1 | 0 | 16-QAM | 21.60 | 21.57 | 21.77 | 24.05 | 0.2541 |
| 20+5 | 1 | 99 | 1 | 0 | QPSK | 22.58 | 22.54 | 22.53 | 24.86 | 0.3062 |
| 20+5 | 1 | 99 | 1 | 0 | 16-QAM | 21.65 | 21.62 | 21.60 | 23.93 | 0.2472 |
| Limit | EIRP < 2W | | | | | Result | | | Pass | |

| LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = 2.28 dB) | | | | | | | | | | |
|---|-----------|-----------|---------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | PCC | | SCC | | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| | RB Size | RB Offset | RB Size | RB Offset | | | | | | |
| 5+20 | 1 | 24 | 1 | 0 | QPSK | 22.38 | 22.39 | 22.65 | 24.93 | 0.3112 |
| 5+20 | 1 | 24 | 1 | 0 | 16-QAM | 21.45 | 21.46 | 21.69 | 23.97 | 0.2495 |
| 15+10 | 1 | 74 | 1 | 0 | QPSK | 22.62 | 22.60 | 22.78 | 25.06 | 0.3206 |
| 15+10 | 1 | 74 | 1 | 0 | 16-QAM | 21.69 | 21.65 | 21.86 | 24.14 | 0.2594 |
| 10+15 | 1 | 49 | 1 | 0 | QPSK | 22.56 | 22.53 | 22.85 | 25.13 | 0.3258 |
| 10+15 | 1 | 49 | 1 | 0 | 16-QAM | 21.65 | 21.62 | 21.79 | 24.07 | 0.2553 |
| Limit | EIRP < 2W | | | | | Result | | | Pass | |

| LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = 2.28 dB) | | | | | | | | | | |
|---|-----------|-----------|---------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | PCC | | SCC | | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| | RB Size | RB Offset | RB Size | RB Offset | | | | | | |
| 15+15 | 1 | 74 | 1 | 0 | QPSK | 22.70 | 22.68 | 22.91 | 25.19 | 0.3304 |
| 15+15 | 1 | 74 | 1 | 0 | 16-QAM | 21.78 | 21.75 | 22.04 | 24.32 | 0.2704 |
| Limit | EIRP < 2W | | | | | Result | | | Pass | |



| LTE Band 41C(HPUE)_CA Maximum Average Power [dBm] (GT - LC = 2.28 dB) | | | | | | | | | | |
|---|-----------|-----------|---------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | PCC | | SCC | | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| | RB Size | RB Offset | RB Size | RB Offset | | | | | | |
| 20+20 | 1 | 99 | 1 | 0 | QPSK | 25.67 | 25.61 | 25.72 | 28.00 | 0.6310 |
| 20+20 | 1 | 99 | 1 | 0 | 16-QAM | 24.31 | 24.26 | 24.33 | 26.61 | 0.4581 |
| 20+15 | 1 | 99 | 1 | 0 | QPSK | 25.73 | 25.60 | 25.82 | 28.10 | 0.6457 |
| 20+15 | 1 | 99 | 1 | 0 | 16-QAM | 24.40 | 24.28 | 24.44 | 26.72 | 0.4699 |
| 15+20 | 1 | 74 | 1 | 0 | QPSK | 25.52 | 25.53 | 25.45 | 27.81 | 0.6039 |
| 15+20 | 1 | 74 | 1 | 0 | 16-QAM | 24.11 | 24.18 | 24.28 | 26.56 | 0.4529 |
| Limit | EIRP < 2W | | | | | Result | | | Pass | |

| LTE Band 41C(HPUE)_CA Maximum Average Power [dBm] (GT - LC = 2.28 dB) | | | | | | | | | | |
|---|-----------|-----------|---------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | PCC | | SCC | | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| | RB Size | RB Offset | RB Size | RB Offset | | | | | | |
| 20+10 | 1 | 99 | 1 | 0 | QPSK | 25.47 | 25.49 | 25.30 | 27.77 | 0.5984 |
| 20+10 | 1 | 99 | 1 | 0 | 16-QAM | 24.09 | 24.16 | 24.20 | 26.48 | 0.4446 |
| 10+20 | 1 | 49 | 1 | 0 | QPSK | 25.32 | 25.39 | 25.36 | 27.67 | 0.5848 |
| 10+20 | 1 | 49 | 1 | 0 | 16-QAM | 23.96 | 24.05 | 24.16 | 26.44 | 0.4406 |
| 20+5 | 1 | 99 | 1 | 0 | QPSK | 25.50 | 25.58 | 24.97 | 27.86 | 0.6109 |
| 20+5 | 1 | 99 | 1 | 0 | 16-QAM | 24.09 | 24.16 | 24.08 | 26.44 | 0.4406 |
| Limit | EIRP < 2W | | | | | Result | | | Pass | |

| LTE Band 41C(HPUE)_CA Maximum Average Power [dBm] (GT - LC = 2.28 dB) | | | | | | | | | | |
|---|-----------|-----------|---------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | PCC | | SCC | | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| | RB Size | RB Offset | RB Size | RB Offset | | | | | | |
| 5+20 | 1 | 24 | 1 | 0 | QPSK | 25.25 | 25.49 | 25.33 | 27.77 | 0.5984 |
| 5+20 | 1 | 24 | 1 | 0 | 16-QAM | 23.86 | 24.07 | 24.18 | 26.46 | 0.4426 |
| 15+10 | 1 | 74 | 1 | 0 | QPSK | 25.64 | 25.65 | 25.50 | 27.93 | 0.6209 |
| 15+10 | 1 | 74 | 1 | 0 | 16-QAM | 24.73 | 24.73 | 24.84 | 27.12 | 0.5152 |
| 10+15 | 1 | 49 | 1 | 0 | QPSK | 25.41 | 25.49 | 25.54 | 27.82 | 0.6053 |
| 10+15 | 1 | 49 | 1 | 0 | 16-QAM | 24.04 | 24.13 | 24.38 | 26.66 | 0.4634 |
| Limit | EIRP < 2W | | | | | Result | | | Pass | |

| LTE Band 41C(HPUE)_CA Maximum Average Power [dBm] (GT - LC = 2.28 dB) | | | | | | | | | | |
|---|-----------|-----------|---------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | PCC | | SCC | | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| | RB Size | RB Offset | RB Size | RB Offset | | | | | | |
| 15+15 | 1 | 74 | 1 | 0 | QPSK | 25.58 | 25.60 | 25.55 | 27.88 | 0.6138 |
| 15+15 | 1 | 74 | 1 | 0 | 16-QAM | 24.21 | 24.28 | 24.51 | 26.79 | 0.4775 |
| Limit | EIRP < 2W | | | | | Result | | | Pass | |



| LTE Band 66B_CA Maximum Average Power [dBm] (GT - LC = 1.13 dB) | | | | | | | | | | |
|---|-----------|-----------|---------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | PCC | | SCC | | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| | RB Size | RB Offset | RB Size | RB Offset | | | | | | |
| 10+10 | 1 | 49 | 1 | 0 | QPSK | 22.29 | 22.28 | 22.26 | 23.42 | 0.2198 |
| 10+10 | 1 | 49 | 1 | 0 | 16-QAM | 21.43 | 21.35 | 21.44 | 22.57 | 0.1807 |
| 15+5 | 1 | 74 | 1 | 0 | QPSK | 22.44 | 22.50 | 22.48 | 23.63 | 0.2307 |
| 15+5 | 1 | 74 | 1 | 0 | 16-QAM | 21.62 | 21.64 | 21.65 | 22.78 | 0.1897 |
| 5+15 | 1 | 24 | 1 | 0 | QPSK | 22.55 | 22.55 | 22.58 | 23.71 | 0.2350 |
| 5+15 | 1 | 24 | 1 | 0 | 16-QAM | 21.65 | 21.63 | 21.61 | 22.78 | 0.1897 |
| Limit | EIRP < 1W | | | | | Result | | | Pass | |

| LTE Band 66B_CA Maximum Average Power [dBm] (GT - LC = 1.13 dB) | | | | | | | | | | |
|---|-----------|-----------|---------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | PCC | | SCC | | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| | RB Size | RB Offset | RB Size | RB Offset | | | | | | |
| 10+5 | 1 | 49 | 1 | 0 | QPSK | 22.36 | 22.31 | 22.21 | 23.49 | 0.2234 |
| 10+5 | 1 | 49 | 1 | 0 | 16-QAM | 21.45 | 21.43 | 21.29 | 22.58 | 0.1811 |
| 5+10 | 1 | 24 | 1 | 0 | QPSK | 22.22 | 22.18 | 22.22 | 23.35 | 0.2163 |
| 5+10 | 1 | 24 | 1 | 0 | 16-QAM | 21.38 | 21.32 | 21.45 | 22.58 | 0.1811 |
| 5+5 | 1 | 24 | 1 | 0 | QPSK | 22.33 | 22.32 | 22.35 | 23.48 | 0.2228 |
| 5+5 | 1 | 24 | 1 | 0 | 16-QAM | 21.46 | 21.43 | 21.48 | 22.61 | 0.1824 |
| Limit | EIRP < 1W | | | | | Result | | | Pass | |

| LTE Band 66C_CA Maximum Average Power [dBm] (GT - LC = 1.13 dB) | | | | | | | | | | |
|---|-----------|-----------|---------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | PCC | | SCC | | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| | RB Size | RB Offset | RB Size | RB Offset | | | | | | |
| 20+20 | 1 | 99 | 1 | 0 | QPSK | 22.23 | 22.19 | 22.23 | 23.36 | 0.2168 |
| 20+20 | 1 | 99 | 1 | 0 | 16-QAM | 21.32 | 21.32 | 21.32 | 22.45 | 0.1758 |
| 20+15 | 1 | 74 | 1 | 0 | QPSK | 22.28 | 22.29 | 22.32 | 23.45 | 0.2213 |
| 20+15 | 1 | 74 | 1 | 0 | 16-QAM | 21.42 | 21.39 | 21.45 | 22.58 | 0.1811 |
| 15+20 | 1 | 74 | 1 | 0 | QPSK | 22.27 | 22.30 | 22.31 | 23.44 | 0.2208 |
| 15+20 | 1 | 74 | 1 | 0 | 16-QAM | 21.42 | 21.38 | 21.41 | 22.55 | 0.1799 |
| Limit | EIRP < 1W | | | | | Result | | | Pass | |

| LTE Band 66C_CA Maximum Average Power [dBm] (GT - LC = 1.13 dB) | | | | | | | | | | |
|---|-----------|-----------|---------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | PCC | | SCC | | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| | RB Size | RB Offset | RB Size | RB Offset | | | | | | |
| 20+10 | 1 | 99 | 1 | 0 | QPSK | 22.14 | 22.11 | 22.23 | 23.36 | 0.2168 |
| 20+10 | 1 | 99 | 1 | 0 | 16-QAM | 21.25 | 21.29 | 21.32 | 22.45 | 0.1758 |
| 10+20 | 1 | 49 | 1 | 0 | QPSK | 22.15 | 22.14 | 22.16 | 23.29 | 0.2133 |
| 10+20 | 1 | 49 | 1 | 0 | 16-QAM | 21.26 | 21.26 | 21.23 | 22.39 | 0.1734 |
| 20+5 | 1 | 99 | 1 | 0 | QPSK | 22.11 | 22.15 | 22.18 | 23.31 | 0.2143 |
| 20+5 | 1 | 99 | 1 | 0 | 16-QAM | 21.21 | 21.25 | 21.25 | 22.38 | 0.1730 |
| Limit | EIRP < 1W | | | | | Result | | | Pass | |



| LTE Band 66C_CA Maximum Average Power [dBm] (GT - LC = 1.13 dB) | | | | | | | | | | |
|---|-----------|-----------|---------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | PCC | | SCC | | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| | RB Size | RB Offset | RB Size | RB Offset | | | | | | |
| 5+20 | 1 | 24 | 1 | 0 | QPSK | 22.16 | 22.15 | 22.19 | 23.32 | 0.2148 |
| 5+20 | 1 | 24 | 1 | 0 | 16-QAM | 21.24 | 21.24 | 21.23 | 22.37 | 0.1726 |
| Limit | EIRP < 1W | | | | | Result | | | Pass | |

| LTE Band 66C_CA Maximum Average Power [dBm] (GT - LC = 1.13 dB) | | | | | | | | | | |
|---|-----------|-----------|---------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | PCC | | SCC | | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| | RB Size | RB Offset | RB Size | RB Offset | | | | | | |
| 15+10 | 1 | 74 | 1 | 0 | QPSK | 22.25 | 22.28 | 22.34 | 23.47 | 0.2223 |
| 15+10 | 1 | 74 | 1 | 0 | 16-QAM | 21.37 | 21.39 | 21.33 | 22.52 | 0.1786 |
| 10+15 | 1 | 49 | 1 | 0 | QPSK | 22.23 | 22.21 | 22.25 | 23.38 | 0.2178 |
| 10+15 | 1 | 49 | 1 | 0 | 16-QAM | 21.35 | 21.32 | 21.32 | 22.48 | 0.1770 |
| 15+15 | 1 | 74 | 1 | 0 | QPSK | 22.34 | 22.33 | 22.36 | 23.49 | 0.2234 |
| 15+15 | 1 | 74 | 1 | 0 | 16-QAM | 21.45 | 21.45 | 21.49 | 22.62 | 0.1828 |
| Limit | EIRP < 1W | | | | | Result | | | Pass | |



| LTE Band 7C_CA Maximum Average Power [dBm] (GT - LC = 2.28 dB) | | | | | | | | | | |
|---|-----------|-----------|---------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | PCC | | SCC | | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| | RB Size | RB Offset | RB Size | RB Offset | | | | | | |
| 20+20 | 1 | 99 | 1 | 0 | QPSK | 21.79 | 22.01 | 22.07 | 24.35 | 0.2723 |
| 20+20 | 1 | 99 | 1 | 0 | 16-QAM | 20.97 | 21.21 | 21.24 | 23.52 | 0.2249 |
| 20+15 | 1 | 99 | 1 | 0 | QPSK | 21.91 | 22.12 | 22.03 | 24.40 | 0.2754 |
| 20+15 | 1 | 99 | 1 | 0 | 16-QAM | 20.95 | 21.27 | 21.18 | 23.55 | 0.2265 |
| 15+20 | 1 | 74 | 1 | 0 | QPSK | 21.91 | 22.08 | 22.16 | 24.44 | 0.2780 |
| 15+20 | 1 | 74 | 1 | 0 | 16-QAM | 21.07 | 21.23 | 21.29 | 23.57 | 0.2275 |
| Limit | EIRP < 2W | | | | | Result | | | Pass | |

| LTE Band 7C_CA Maximum Average Power [dBm] (GT - LC = 2.28 dB) | | | | | | | | | | |
|---|-----------|-----------|---------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | PCC | | SCC | | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| | RB Size | RB Offset | RB Size | RB Offset | | | | | | |
| 20+10 | 1 | 99 | 1 | 0 | QPSK | 21.79 | 22.05 | 21.94 | 24.33 | 0.2710 |
| 20+10 | 1 | 99 | 1 | 0 | 16-QAM | 21.03 | 21.21 | 21.09 | 23.49 | 0.2234 |
| 10+20 | 1 | 74 | 1 | 0 | QPSK | 21.81 | 21.96 | 22.06 | 24.34 | 0.2716 |
| 10+20 | 1 | 74 | 1 | 0 | 16-QAM | 20.99 | 21.09 | 21.22 | 23.50 | 0.2239 |
| 15+15 | 1 | 74 | 1 | 0 | QPSK | 21.92 | 22.13 | 22.08 | 24.41 | 0.2761 |
| 15+15 | 1 | 74 | 1 | 0 | 16-QAM | 21.05 | 21.25 | 21.23 | 23.53 | 0.2254 |
| Limit | EIRP < 2W | | | | | Result | | | Pass | |

| LTE Band 7C_CA Maximum Average Power [dBm] (GT - LC = 2.28 dB) | | | | | | | | | | |
|---|-----------|-----------|---------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | PCC | | SCC | | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| | RB Size | RB Offset | RB Size | RB Offset | | | | | | |
| 15+10 | 1 | 74 | 1 | 0 | QPSK | 21.77 | 22.05 | 21.98 | 24.33 | 0.2710 |
| 15+10 | 1 | 74 | 1 | 0 | 16-QAM | 20.99 | 21.21 | 21.12 | 23.49 | 0.2234 |
| Limit | EIRP < 2W | | | | | Result | | | Pass | |

| LTE Band 38C_CA Maximum Average Power [dBm] (GT - LC = 1.79 dB) | | | | | | | | | | |
|--|-----------|-----------|---------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | PCC | | SCC | | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| | RB Size | RB Offset | RB Size | RB Offset | | | | | | |
| 20+20 | 1 | 99 | 1 | 0 | QPSK | 22.16 | 22.25 | 22.26 | 24.05 | 0.2541 |
| 20+20 | 1 | 99 | 1 | 0 | 16-QAM | 21.27 | 21.35 | 21.35 | 23.14 | 0.2061 |
| 15+15 | 1 | 74 | 1 | 0 | QPSK | 22.37 | 22.45 | 22.49 | 24.28 | 0.2679 |
| 15+15 | 1 | 74 | 1 | 0 | 16-QAM | 21.52 | 21.57 | 21.58 | 23.37 | 0.2173 |
| Limit | EIRP < 2W | | | | | Result | | | Pass | |



Appendix B. Test Results of Radiated Test

<Sample 1>

<Main Antenna>

LTE Band 13

| LTE Band 13 / 5MHz / QPSK | | | | | | | | | |
|---------------------------|-------------------|-------------|---------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | ERP (dBm) | Limit (dBm) | Margin (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 1555 | -62.05 | -13 | -49.05 | -72.55 | -68.81 | 0.51 | 9.42 | H |
| | 2332 | -44.93 | -13 | -31.93 | -59.88 | -52.82 | 0.62 | 10.67 | H |
| | 3109 | -58.27 | -13 | -45.27 | -75.23 | -66.80 | 0.74 | 11.43 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 1555 | -61.95 | -13.00 | -48.95 | -72.57 | -68.71 | 0.51 | 9.42 | V |
| | 2332 | -48.69 | -13 | -35.69 | -63.92 | -56.58 | 0.62 | 10.67 | V |
| | 3109 | -57.75 | -13 | -44.75 | -74.92 | -66.28 | 0.74 | 11.43 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| Middle | 1560 | -61.70 | -42.15 | -19.55 | -72.18 | -68.47 | 0.51 | 9.43 | H |
| | 2340 | -44.88 | -13 | -31.88 | -59.83 | -52.78 | 0.62 | 10.67 | H |
| | 3119 | -58.26 | -13 | -45.26 | -75.24 | -66.82 | 0.74 | 11.46 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 1560 | -61.96 | -42.15 | -19.81 | -72.56 | -68.73 | 0.51 | 9.43 | V |
| | 2340 | -47.81 | -13 | -34.81 | -63.04 | -55.71 | 0.62 | 10.67 | V |
| | 3119 | -58.17 | -13 | -45.17 | -75.37 | -66.73 | 0.74 | 11.46 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |



| | | | | | | | | | |
|---------|------|--------|--------|--------|--------|--------|------|-------|---|
| Highest | 1565 | -61.96 | -42.15 | -19.81 | -72.42 | -68.74 | 0.52 | 9.44 | H |
| | 2347 | -45.59 | -13 | -32.59 | -60.53 | -53.49 | 0.62 | 10.68 | H |
| | 3129 | -58.52 | -13 | -45.52 | -75.52 | -67.11 | 0.74 | 11.49 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 1565 | -61.41 | -42.15 | -19.26 | -72.00 | -68.19 | 0.52 | 9.44 | V |
| | 2347 | -44.76 | -13 | -31.76 | -59.95 | -52.66 | 0.62 | 10.68 | V |
| | 3129 | -58.39 | -13 | -45.39 | -75.63 | -66.98 | 0.74 | 11.49 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 13 / 10MHz / QPSK | | | | | | | | | |
|----------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | ERP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 1555 | -57.78 | -13 | -44.78 | -68.29 | -64.54 | 0.51 | 9.42 | H |
| | 2333 | -44.83 | -13 | -31.83 | -59.78 | -52.72 | 0.62 | 10.67 | H |
| | 3110 | -58.19 | -13 | -45.19 | -75.16 | -66.73 | 0.74 | 11.43 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 1555 | -60.52 | -13 | -47.52 | -71.15 | -67.28 | 0.51 | 9.42 | V |
| | 2333 | -46.42 | -13 | -33.42 | -61.65 | -54.31 | 0.62 | 10.67 | V |
| | 3110 | -58.19 | -13 | -45.19 | -75.35 | -66.73 | 0.74 | 11.43 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 25

| LTE Band 25 / 20MHz / QPSK | | | | | | | | | |
|----------------------------|-------------------|--------------|---------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 3702 | -56.45 | -13 | -43.45 | -75.08 | -62.82 | 5.93 | 12.30 | H |
| | 5553 | -52.71 | -13 | -39.71 | -76.44 | -58.27 | 7.74 | 13.31 | H |
| | 7404 | -47.80 | -13 | -34.80 | -78.12 | -50.28 | 8.72 | 11.20 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 3702 | -56.40 | -13 | -43.40 | -75.08 | -62.77 | 5.93 | 12.30 | V |
| | 5553 | -51.86 | -13 | -38.86 | -75.9 | -57.42 | 7.74 | 13.31 | V |
| | 7404 | -48.27 | -13 | -35.27 | -78.5 | -50.75 | 8.72 | 11.20 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| Middle | 3742 | -55.55 | -13 | -42.55 | -74.26 | -61.89 | 5.96 | 12.30 | H |
| | 5613 | -53.75 | -13 | -40.75 | -77.31 | -59.38 | 7.79 | 13.43 | H |
| | 7484 | -48.12 | -13 | -35.12 | -78.23 | -50.57 | 8.75 | 11.20 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 3742 | -56.21 | -13 | -43.21 | -75.01 | -62.55 | 5.96 | 12.30 | V |
| | 5613 | -52.59 | -13 | -39.59 | -76.62 | -58.22 | 7.79 | 13.43 | V |
| | 7484 | -47.92 | -13 | -34.92 | -77.96 | -50.37 | 8.75 | 11.20 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | V | |



| | | | | | | | | | |
|---------|------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 3792 | -55.39 | -13 | -42.39 | -74.18 | -61.68 | 6.01 | 12.30 | H |
| | 5688 | -53.42 | -13 | -40.42 | -77.14 | -59.07 | 7.85 | 13.50 | H |
| | 7584 | -47.99 | -13 | -34.99 | -77.59 | -50.73 | 8.80 | 11.54 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 3792 | -56.08 | -13 | -43.08 | -75 | -62.37 | 6.01 | 12.30 | V |
| | 5688 | -51.65 | -13 | -38.65 | -75.82 | -57.3 | 7.85 | 13.50 | V |
| | 7584 | -47.38 | -13 | -34.38 | -77.58 | -50.12 | 8.80 | 11.54 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 38 HPUE

| LTE Band 38 HPUE/ 20MHz / QPSK | | | | | | | | | |
|--------------------------------|-------------------|--------------|---------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 5142 | -54.97 | -25 | -29.97 | -77.5 | -59.9 | 7.55 | 12.48 | H |
| | 7713 | -47.56 | -25 | -22.56 | -77.16 | -50.43 | 8.86 | 11.73 | H |
| | 10284 | -42.87 | -25 | -17.87 | -76.91 | -43.76 | 10.24 | 11.13 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 5142 | -54.96 | -25 | -29.96 | -77.5 | -59.89 | 7.55 | 12.48 | V |
| | 7713 | -47.23 | -25 | -22.23 | -77.1 | -50.1 | 8.86 | 11.73 | V |
| | 10284 | -43.45 | -25 | -18.45 | -76.92 | -44.34 | 10.24 | 11.13 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| Middle | 5172 | -54.62 | -25 | -29.62 | -77.26 | -59.73 | 7.56 | 12.68 | H |
| | 7758 | -47.16 | -25 | -22.16 | -76.8 | -50.1 | 8.88 | 11.82 | H |
| | 10344 | -42.89 | -25 | -17.89 | -76.91 | -43.57 | 10.29 | 10.97 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 5172 | -54.92 | -25 | -29.92 | -77.55 | -60.03 | 7.56 | 12.68 | V |
| | 7758 | -47.38 | -25 | -22.38 | -77.1 | -50.32 | 8.88 | 11.82 | V |
| | 10344 | -43.37 | -25 | -18.37 | -76.93 | -44.05 | 10.29 | 10.97 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | V | |



| | | | | | | | | | |
|---------|-------|--------|-----|--------|--------|--------|-------|-------|---|
| Highest | 5202 | -54.93 | -25 | -29.93 | -77.68 | -60.27 | 7.57 | 12.91 | H |
| | 7803 | -47.86 | -25 | -22.86 | -77.53 | -50.85 | 8.90 | 11.89 | H |
| | 10404 | -43.16 | -25 | -18.16 | -77.17 | -43.62 | 10.34 | 10.80 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 5202 | -55.00 | -25 | -30.00 | -77.73 | -60.34 | 7.57 | 12.91 | V |
| | 7803 | -47.73 | -25 | -22.73 | -77.3 | -50.72 | 8.90 | 11.89 | V |
| | 10404 | -43.63 | -25 | -18.63 | -77.24 | -44.09 | 10.34 | 10.80 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 41 HPUE

| LTE Band 41 HPUE / 20MHz / QPSK | | | | | | | | | |
|---------------------------------|-------------------|--------------|---------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 4994 | -55.05 | -25 | -30.05 | -77.1 | -60.28 | 7.48 | 12.71 | H |
| | 7491 | -48.02 | -25 | -23.02 | -78.11 | -50.46 | 8.76 | 11.20 | H |
| | 9988 | -44.14 | -25 | -19.14 | -78.18 | -45.21 | 10.01 | 11.08 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 4994 | -54.77 | -25 | -29.77 | -76.87 | -60 | 7.48 | 12.71 | V |
| | 7491 | -48.02 | -25 | -23.02 | -78.04 | -50.46 | 8.76 | 11.20 | V |
| | 9988 | -45.03 | -25 | -20.03 | -78.16 | -46.1 | 10.01 | 11.08 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| Middle | 5168 | -54.86 | -25 | -29.86 | -77.48 | -59.94 | 7.56 | 12.64 | H |
| | 7752 | -47.55 | -25 | -22.55 | -77.18 | -50.48 | 8.88 | 11.80 | H |
| | 10336 | -43.06 | -25 | -18.06 | -77.09 | -43.77 | 10.29 | 10.99 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 5168 | -55.20 | -25 | -30.20 | -77.82 | -60.28 | 7.56 | 12.64 | V |
| | 7752 | -45.28 | -25 | -20.28 | -75.01 | -48.21 | 8.88 | 11.80 | V |
| | 10336 | -43.82 | -25 | -18.82 | -77.36 | -44.53 | 10.29 | 10.99 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |



| | | | | | | | | | |
|---------|-------|--------|-----|--------|--------|--------|-------|-------|---|
| Highest | 5342 | -55.44 | -25 | -30.44 | -79.06 | -61.37 | 7.63 | 13.57 | H |
| | 8013 | -47.06 | -25 | -22.06 | -77.16 | -49.34 | 9.00 | 11.27 | H |
| | 10684 | -43.96 | -25 | -18.96 | -77.96 | -44.39 | 10.49 | 10.92 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 5342 | -55.07 | -25 | -30.07 | -78.6 | -61 | 7.63 | 13.57 | V |
| | 8013 | -44.97 | -25 | -19.97 | -75.08 | -47.25 | 9.00 | 11.27 | V |
| | 10684 | -44.18 | -25 | -19.18 | -78.04 | -44.61 | 10.49 | 10.92 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band CA 41C HPUE

| LTE Band CA 41C HPUE/ 20MHz+20MHz / QPSK+QPSK | | | | | | | | | |
|---|-------------------|--------------|---------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 5028 | -54.40 | -25 | -29.40 | -76.53 | -59.54 | 7.50 | 12.64 | H |
| | 7544 | -47.87 | -25 | -22.87 | -77.69 | -50.47 | 8.78 | 11.38 | H |
| | 10058.4 | -43.67 | -25 | -18.67 | -77.76 | -44.83 | 10.06 | 11.22 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 5028 | -54.25 | -25 | -29.25 | -76.42 | -59.39 | 7.50 | 12.64 | V |
| | 7544 | -47.49 | -25 | -22.49 | -77.59 | -50.09 | 8.78 | 11.38 | V |
| | 10058.4 | -44.39 | -25 | -19.39 | -77.62 | -45.55 | 10.06 | 11.22 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| Middle | 5184 | -54.51 | -25 | -29.51 | -77.19 | -59.71 | 7.57 | 12.77 | H |
| | 7776 | -46.97 | -25 | -21.97 | -76.61 | -49.94 | 8.89 | 11.85 | H |
| | 10366.1 | -42.92 | -25 | -17.92 | -76.94 | -43.51 | 10.31 | 10.90 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 5184 | -54.60 | -25 | -29.60 | -77.27 | -59.8 | 7.57 | 12.77 | V |
| | 7776 | -47.25 | -25 | -22.25 | -76.9 | -50.22 | 8.89 | 11.85 | V |
| | 10366.1 | -43.38 | -25 | -18.38 | -76.96 | -43.97 | 10.31 | 10.90 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | V | |



| | | | | | | | | | |
|---------|---------|--------|-----|--------|--------|--------|-------|-------|---|
| Highest | 5340 | -54.29 | -25 | -29.29 | -77.91 | -60.22 | 7.63 | 13.56 | H |
| | 8010 | -46.47 | -25 | -21.47 | -76.57 | -48.75 | 9.00 | 11.28 | H |
| | 10673.8 | -43.19 | -25 | -18.19 | -77.19 | -43.63 | 10.49 | 10.93 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 5340 | -54.38 | -25 | -29.38 | -77.9 | -60.31 | 7.63 | 13.56 | V |
| | 8010 | -46.34 | -25 | -21.34 | -76.45 | -48.62 | 9.00 | 11.28 | V |
| | 10673.8 | -43.47 | -25 | -18.47 | -77.32 | -43.91 | 10.49 | 10.93 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 66

| LTE Band 66 / 20MHz / QPSK | | | | | | | | | |
|----------------------------|-------------------|--------------|---------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 3422 | -57.42 | -13 | -44.42 | -75.26 | -64.25 | 5.67 | 12.50 | H |
| | 5133 | -54.63 | -13 | -41.63 | -77.13 | -59.55 | 7.55 | 12.47 | H |
| | 6844 | -49.95 | -13 | -36.95 | -78.45 | -53.72 | 8.44 | 12.21 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 3422 | -57.08 | -13 | -44.08 | -75.4 | -63.91 | 5.67 | 12.50 | V |
| | 5133 | -54.65 | -13 | -41.65 | -77.16 | -59.57 | 7.55 | 12.47 | V |
| | 6844 | -49.67 | -13 | -36.67 | -78.12 | -53.44 | 8.44 | 12.21 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| Middle | 3507 | -56.61 | -13 | -43.61 | -75.12 | -63.22 | 5.75 | 12.36 | H |
| | 5261 | -55.07 | -13 | -42.07 | -78.2 | -60.71 | 7.60 | 13.24 | H |
| | 7015 | -48.95 | -13 | -35.95 | -76.85 | -52.20 | 8.56 | 11.81 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 3507 | -56.55 | -13 | -43.55 | -75.35 | -63.16 | 5.75 | 12.36 | V |
| | 5261 | -54.82 | -13 | -41.82 | -77.9 | -60.46 | 7.60 | 13.24 | V |
| | 7015 | -48.12 | -13 | -35.12 | -77.12 | -51.37 | 8.56 | 11.81 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |



| | | | | | | | | | |
|---------|------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 3557 | -56.48 | -13 | -43.48 | -75.39 | -62.79 | 5.79 | 12.10 | H |
| | 5336 | -54.99 | -13 | -41.99 | -76.87 | -60.90 | 7.63 | 13.54 | H |
| | 7115 | -48.68 | -13 | -35.68 | -77.37 | -51.45 | 8.60 | 11.37 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 3557 | -56.44 | -13 | -43.44 | -75.37 | -62.75 | 5.79 | 12.10 | V |
| | 5336 | -55.10 | -13 | -42.10 | -77.83 | -61.01 | 7.63 | 13.54 | V |
| | 7115 | -48.01 | -13 | -35.01 | -77.78 | -50.78 | 8.60 | 11.37 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 66B

| LTE Band 66B / 10MHz+10MHz / QPSK | | | | | | | | | |
|-----------------------------------|-------------------|--------------|---------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 3437 | -57.32 | -13 | -44.32 | -75.29 | -64.14 | 5.68 | 12.50 | H |
| | 5156 | -54.75 | -13 | -41.75 | -77.34 | -59.74 | 7.56 | 12.55 | H |
| | 6875 | -49.64 | -13 | -36.64 | -77.99 | -53.28 | 8.46 | 12.10 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 3437 | -56.83 | -13 | -43.83 | -75.25 | -63.65 | 5.68 | 12.50 | V |
| | 5156 | -54.35 | -13 | -41.35 | -76.94 | -59.34 | 7.56 | 12.55 | V |
| | 6875 | -49.36 | -13 | -36.36 | -77.91 | -53.00 | 8.46 | 12.10 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| Middle | 3465 | -57.33 | -13 | -44.33 | -75.54 | -64.09 | 5.71 | 12.47 | H |
| | 5197 | -52.80 | -13 | -39.80 | -75.52 | -58.10 | 7.57 | 12.88 | H |
| | 6930 | -49.71 | -13 | -36.71 | -77.81 | -53.15 | 8.50 | 11.94 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 3465 | -56.66 | -13 | -43.66 | -75.25 | -63.42 | 5.71 | 12.47 | V |
| | 5197 | -52.41 | -13 | -39.41 | -75.12 | -57.71 | 7.57 | 12.88 | V |
| | 6930 | -48.82 | -13 | -35.82 | -77.55 | -52.26 | 8.50 | 11.94 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |



| | | | | | | | | | |
|---------|------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 3490 | -57.15 | -13 | -44.15 | -75.59 | -63.84 | 5.73 | 12.42 | H |
| | 5235 | -55.09 | -13 | -42.09 | -78.05 | -60.61 | 7.59 | 13.11 | H |
| | 6980 | -49.32 | -13 | -36.32 | -77.19 | -52.68 | 8.54 | 11.90 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 3490 | -56.85 | -13 | -43.85 | -75.62 | -63.54 | 5.73 | 12.42 | V |
| | 5235 | -54.99 | -13 | -41.99 | -77.92 | -60.51 | 7.59 | 13.11 | V |
| | 6980 | -48.15 | -13 | -35.15 | -77.04 | -51.51 | 8.54 | 11.90 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | V | |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 66C

| LTE Band 66C / 20MHz+20MHz / QPSK | | | | | | | | | |
|-----------------------------------|-------------------|--------------|---------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 3437 | -57.34 | -13 | -44.34 | -75.31 | -64.16 | 5.68 | 12.50 | H |
| | 5156 | -54.63 | -13 | -41.63 | -77.22 | -59.62 | 7.56 | 12.55 | H |
| | 6875 | -49.66 | -13 | -36.66 | -78.01 | -53.30 | 8.46 | 12.10 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 3437 | -56.93 | -13 | -43.93 | -75.35 | -63.75 | 5.68 | 12.50 | V |
| | 5156 | -54.56 | -13 | -41.56 | -77.15 | -59.55 | 7.56 | 12.55 | V |
| | 6875 | -49.37 | -13 | -36.37 | -77.92 | -53.01 | 8.46 | 12.10 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| Middle | 3456 | -57.04 | -13 | -44.04 | -75.25 | -63.83 | 5.70 | 12.49 | H |
| | 5184 | -54.66 | -13 | -41.66 | -77.38 | -59.86 | 7.57 | 12.77 | H |
| | 6912 | -49.57 | -13 | -36.57 | -77.67 | -53.06 | 8.49 | 11.98 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 3456 | -56.94 | -13 | -43.94 | -75.53 | -63.73 | 5.70 | 12.49 | V |
| | 5184 | -54.94 | -13 | -41.94 | -77.65 | -60.14 | 7.57 | 12.77 | V |
| | 6912 | -49.12 | -13 | -36.12 | -77.85 | -52.61 | 8.49 | 11.98 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |



| | | | | | | | | | |
|---------|------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 3490 | -56.80 | -13 | -43.80 | -75.24 | -63.49 | 5.73 | 12.42 | H |
| | 5235 | -54.74 | -13 | -41.74 | -77.7 | -60.26 | 7.59 | 13.11 | H |
| | 6980 | -49.53 | -13 | -36.53 | -77.4 | -52.89 | 8.54 | 11.90 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 3490 | -56.80 | -13 | -43.80 | -75.57 | -63.49 | 5.73 | 12.42 | V |
| | 5235 | -55.02 | -13 | -42.02 | -77.95 | -60.54 | 7.59 | 13.11 | V |
| | 6980 | -47.87 | -13 | -34.87 | -76.76 | -51.23 | 8.54 | 11.90 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | V | |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



<MIMO2 Antenna>

LTE Band 25

| LTE Band 25 / 20MHz / QPSK | | | | | | | | | |
|----------------------------|-------------------|--------------|---------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 3702 | -55.86 | -13 | -42.86 | -74.49 | -62.23 | 5.93 | 12.30 | H |
| | 5553 | -51.72 | -13 | -38.72 | -75.45 | -57.28 | 7.74 | 13.31 | H |
| | 7404 | -47.67 | -13 | -34.67 | -77.99 | -50.15 | 8.72 | 11.20 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 3702 | -55.96 | -13 | -42.96 | -74.64 | -62.33 | 5.93 | 12.30 | V |
| | 5553 | -51.22 | -13 | -38.22 | -75.26 | -56.78 | 7.74 | 13.31 | V |
| | 7404 | -47.82 | -13 | -34.82 | -78.05 | -50.3 | 8.72 | 11.20 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| Middle | 3742 | -55.60 | -13 | -42.60 | -74.31 | -61.94 | 5.96 | 12.30 | H |
| | 5613 | -48.44 | -13 | -35.44 | -72.01 | -54.07 | 7.79 | 13.43 | H |
| | 7484 | -47.90 | -13 | -34.90 | -78.02 | -50.35 | 8.75 | 11.20 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 3742 | -54.89 | -13 | -41.89 | -73.69 | -61.23 | 5.96 | 12.30 | V |
| | 5613 | -50.82 | -13 | -37.82 | -74.86 | -56.45 | 7.79 | 13.43 | V |
| | 7484 | -47.61 | -13 | -34.61 | -77.65 | -50.06 | 8.75 | 11.20 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |



| | | | | | | | | | |
|---------|------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 3792 | -56.75 | -13 | -43.75 | -75.54 | -63.04 | 6.01 | 12.30 | H |
| | 5688 | -46.73 | -13 | -33.73 | -70.45 | -52.38 | 7.85 | 13.50 | H |
| | 7584 | -48.16 | -13 | -35.16 | -77.76 | -50.9 | 8.80 | 11.54 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 3792 | -55.57 | -13 | -42.57 | -74.49 | -61.86 | 6.01 | 12.30 | V |
| | 5688 | -47.17 | -13 | -34.17 | -71.34 | -52.82 | 7.85 | 13.50 | V |
| | 7584 | -47.27 | -13 | -34.27 | -77.47 | -50.01 | 8.80 | 11.54 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 38 HPUE

| LTE Band 38 HPUE / 20MHz / QPSK | | | | | | | | | |
|---------------------------------|-------------------|--------------|---------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 5142 | -54.73 | -25 | -29.73 | -77.26 | -59.66 | 7.55 | 12.48 | H |
| | 7713 | -47.69 | -25 | -22.69 | -77.29 | -50.56 | 8.86 | 11.73 | H |
| | 10284 | -43.18 | -25 | -18.18 | -77.22 | -44.07 | 10.24 | 11.13 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 5142 | -54.80 | -25 | -29.80 | -77.34 | -59.73 | 7.55 | 12.48 | V |
| | 7713 | -47.42 | -25 | -22.42 | -77.27 | -50.29 | 8.86 | 11.73 | V |
| | 10284 | -43.73 | -25 | -18.73 | -77.2 | -44.62 | 10.24 | 11.13 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| Middle | 5172 | -55.25 | -25 | -30.25 | -77.89 | -60.36 | 7.56 | 12.68 | H |
| | 7758 | -47.69 | -25 | -22.69 | -77.33 | -50.63 | 8.88 | 11.82 | H |
| | 10344 | -43.25 | -25 | -18.25 | -77.27 | -43.93 | 10.29 | 10.97 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 5172 | -54.69 | -25 | -29.69 | -77.32 | -59.8 | 7.56 | 12.68 | V |
| | 7758 | -47.50 | -25 | -22.50 | -77.22 | -50.44 | 8.88 | 11.82 | V |
| | 10344 | -43.75 | -25 | -18.75 | -77.31 | -44.43 | 10.29 | 10.97 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | V | |



| | | | | | | | | | |
|---------|-------|--------|-----|--------|--------|--------|-------|-------|---|
| Highest | 5202 | -55.12 | -25 | -30.12 | -77.87 | -60.46 | 7.57 | 12.91 | H |
| | 7803 | -47.45 | -25 | -22.45 | -77.12 | -50.44 | 8.90 | 11.89 | H |
| | 10404 | -42.77 | -25 | -17.77 | -76.78 | -43.23 | 10.34 | 10.80 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 5202 | -54.83 | -25 | -29.83 | -77.56 | -60.17 | 7.57 | 12.91 | V |
| | 7803 | -47.95 | -25 | -22.95 | -77.52 | -50.94 | 8.90 | 11.89 | V |
| | 10404 | -43.46 | -25 | -18.46 | -77.07 | -43.92 | 10.34 | 10.80 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 41 HPUE

| LTE Band 41 HPUE / 20MHz / QPSK | | | | | | | | | |
|---------------------------------|-------------------|--------------|---------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 4992 | -54.13 | -25 | -29.13 | -76.18 | -59.37 | 7.47 | 12.72 | H |
| | 7491 | -47.07 | -25 | -22.07 | -77.16 | -49.51 | 8.76 | 11.20 | H |
| | 9986 | -42.86 | -25 | -17.86 | -76.9 | -43.93 | 10.01 | 11.07 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 4992 | -54.18 | -25 | -29.18 | -76.29 | -59.42 | 7.47 | 12.72 | V |
| | 7491 | -47.29 | -25 | -22.29 | -77.31 | -49.73 | 8.76 | 11.20 | V |
| | 9986 | -44.00 | -25 | -19.00 | -77.13 | -45.07 | 10.01 | 11.07 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| Middle | 5166 | -53.67 | -25 | -28.67 | -76.29 | -58.74 | 7.56 | 12.63 | H |
| | 7752 | -46.71 | -25 | -21.71 | -76.34 | -49.64 | 8.88 | 11.80 | H |
| | 10329.9 | -42.90 | -25 | -17.90 | -76.93 | -43.63 | 10.28 | 11.01 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 5166 | -53.76 | -25 | -28.76 | -76.38 | -58.83 | 7.56 | 12.63 | V |
| | 7752 | -46.47 | -25 | -21.47 | -76.2 | -49.4 | 8.88 | 11.80 | V |
| | 10329.9 | -43.47 | -25 | -18.47 | -77.01 | -44.2 | 10.28 | 11.01 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | V | |



| | | | | | | | | | |
|---------|---------|--------|-----|--------|--------|--------|-------|-------|---|
| Highest | 5340 | -54.14 | -25 | -29.14 | -77.76 | -60.07 | 7.63 | 13.56 | H |
| | 8013 | -46.16 | -25 | -21.16 | -76.26 | -48.44 | 9.00 | 11.27 | H |
| | 10691.9 | -43.33 | -25 | -18.33 | -77.33 | -43.75 | 10.49 | 10.91 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 5340 | -54.40 | -25 | -29.40 | -77.92 | -60.33 | 7.63 | 13.56 | V |
| | 8013 | -46.04 | -25 | -21.04 | -76.16 | -48.32 | 9.00 | 11.27 | V |
| | 10691.9 | -43.23 | -25 | -18.23 | -77.09 | -43.65 | 10.49 | 10.91 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band CA 41C HPUE

| LTE Band CA_41C HPUE / 20MHz+20MHz / QPSK+QPSK | | | | | | | | | |
|--|-------------------|--------------|---------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 5028 | -54.22 | -25 | -29.22 | -76.35 | -59.36 | 7.50 | 12.64 | H |
| | 7544 | -47.37 | -25 | -22.37 | -77.19 | -49.97 | 8.78 | 11.38 | H |
| | 10058.4 | -43.19 | -25 | -18.19 | -77.28 | -44.35 | 10.06 | 11.22 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 5028 | -54.16 | -25 | -29.16 | -76.33 | -59.3 | 7.50 | 12.64 | V |
| | 7544 | -46.88 | -25 | -21.88 | -76.98 | -49.48 | 8.78 | 11.38 | V |
| | 10058.4 | -44.15 | -25 | -19.15 | -77.38 | -45.31 | 10.06 | 11.22 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| Middle | 5184 | -53.93 | -25 | -28.93 | -76.61 | -59.13 | 7.57 | 12.77 | H |
| | 7776 | -46.66 | -25 | -21.66 | -76.3 | -49.63 | 8.89 | 11.85 | H |
| | 10366.1 | -42.75 | -25 | -17.75 | -76.77 | -43.34 | 10.31 | 10.90 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 5184 | -54.07 | -25 | -29.07 | -76.74 | -59.27 | 7.57 | 12.77 | V |
| | 7776 | -46.93 | -25 | -21.93 | -76.58 | -49.9 | 8.89 | 11.85 | V |
| | 10366.1 | -43.19 | -25 | -18.19 | -76.77 | -43.78 | 10.31 | 10.90 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | V | |



| | | | | | | | | | |
|---------|---------|--------|-----|--------|--------|--------|-------|-------|---|
| Highest | 5340 | -54.06 | -25 | -29.06 | -77.68 | -59.99 | 7.63 | 13.56 | H |
| | 8010 | -45.94 | -25 | -20.94 | -76.04 | -48.22 | 9.00 | 11.28 | H |
| | 10673.8 | -42.88 | -25 | -17.88 | -76.88 | -43.32 | 10.49 | 10.93 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 5340 | -54.19 | -25 | -29.19 | -77.71 | -60.12 | 7.63 | 13.56 | V |
| | 8010 | -46.06 | -25 | -21.06 | -76.17 | -48.34 | 9.00 | 11.28 | V |
| | 10673.8 | -43.37 | -25 | -18.37 | -77.22 | -43.81 | 10.49 | 10.93 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 66

| LTE Band 66 / 20MHz / QPSK | | | | | | | | | |
|----------------------------|-------------------|--------------|---------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 3422 | -57.09 | -13 | -44.09 | -74.93 | -63.92 | 5.67 | 12.50 | H |
| | 5133 | -54.83 | -13 | -41.83 | -77.33 | -59.75 | 7.55 | 12.47 | H |
| | 6844 | -49.93 | -13 | -36.93 | -78.43 | -53.70 | 8.44 | 12.21 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 3422 | -56.82 | -13 | -43.82 | -75.14 | -63.65 | 5.67 | 12.50 | V |
| | 5133 | -54.72 | -13 | -41.72 | -77.23 | -59.64 | 7.55 | 12.47 | V |
| | 6844 | -49.50 | -13 | -36.50 | -77.95 | -53.27 | 8.44 | 12.21 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| Middle | 3507 | -56.71 | -13 | -43.71 | -75.22 | -63.32 | 5.75 | 12.36 | H |
| | 5261 | -55.13 | -13 | -42.13 | -78.26 | -60.77 | 7.60 | 13.24 | H |
| | 7015 | -49.43 | -13 | -36.43 | -77.33 | -52.68 | 8.56 | 11.81 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 3507 | -56.79 | -13 | -43.79 | -75.59 | -63.40 | 5.75 | 12.36 | V |
| | 5261 | -55.36 | -13 | -42.36 | -78.44 | -61.00 | 7.60 | 13.24 | V |
| | 7015 | -47.97 | -13 | -34.97 | -76.97 | -51.22 | 8.56 | 11.81 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | V | |



| | | | | | | | | | |
|---------|------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 3557 | -56.70 | -13 | -43.70 | -75.19 | -63.01 | 5.79 | 12.10 | H |
| | 5336 | -54.85 | -13 | -41.85 | -78.44 | -60.76 | 7.63 | 13.54 | H |
| | 7115 | -48.56 | -13 | -35.56 | -77.23 | -51.33 | 8.60 | 11.37 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 3557 | -56.66 | -13 | -43.66 | -75.25 | -62.97 | 5.79 | 12.10 | V |
| | 5336 | -55.25 | -13 | -42.25 | -78.75 | -61.16 | 7.63 | 13.54 | V |
| | 7115 | -48.17 | -13 | -35.17 | -77.46 | -50.94 | 8.60 | 11.37 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 66B

| LTE Band 66B / 10MHz+10MHz / QPSK | | | | | | | | | |
|-----------------------------------|-------------------|--------------|---------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 3437 | -57.06 | -13 | -44.06 | -75.02 | -63.88 | 5.68 | 12.50 | H |
| | 5156 | -53.94 | -13 | -40.94 | -76.53 | -58.93 | 7.56 | 12.55 | H |
| | 6875 | -48.10 | -13 | -35.10 | -76.46 | -51.74 | 8.46 | 12.10 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 3437 | -56.74 | -13 | -43.74 | -75.15 | -63.56 | 5.68 | 12.50 | V |
| | 5156 | -54.02 | -13 | -41.02 | -76.61 | -59.01 | 7.56 | 12.55 | V |
| | 6875 | -48.80 | -13 | -35.80 | -77.35 | -52.44 | 8.46 | 12.10 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| Middle | 3464 | -56.98 | -13 | -43.98 | -75.18 | -63.75 | 5.71 | 12.47 | H |
| | 5196 | -53.09 | -13 | -40.09 | -75.81 | -58.39 | 7.57 | 12.87 | H |
| | 6928 | -49.12 | -13 | -36.12 | -77.23 | -52.56 | 8.50 | 11.94 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 3464 | -56.70 | -13 | -43.70 | -75.29 | -63.47 | 5.71 | 12.47 | V |
| | 5196 | -51.42 | -13 | -38.42 | -74.13 | -56.72 | 7.57 | 12.87 | V |
| | 6928 | -48.45 | -13 | -35.45 | -77.17 | -51.89 | 8.50 | 11.94 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | V | |



| | | | | | | | | | |
|---------|------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 3490 | -56.55 | -13 | -43.55 | -74.98 | -63.24 | 5.73 | 12.42 | H |
| | 5235 | -54.45 | -13 | -41.45 | -77.41 | -59.97 | 7.59 | 13.11 | H |
| | 6980 | -48.76 | -13 | -35.76 | -76.62 | -52.12 | 8.54 | 11.90 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 3490 | -56.09 | -13 | -43.09 | -74.86 | -62.78 | 5.73 | 12.42 | V |
| | 5235 | -54.27 | -13 | -41.27 | -77.2 | -59.79 | 7.59 | 13.11 | V |
| | 6980 | -47.88 | -13 | -34.88 | -76.77 | -51.24 | 8.54 | 11.90 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 66C

| LTE Band 66C / 20MHz+20MHz / QPSK | | | | | | | | | |
|-----------------------------------|-------------------|--------------|---------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 3457 | -57.02 | -13 | -44.02 | -75.16 | -63.81 | 5.70 | 12.49 | H |
| | 5186 | -53.91 | -13 | -40.91 | -76.6 | -59.13 | 7.57 | 12.79 | H |
| | 6915 | -49.18 | -13 | -36.18 | -77.35 | -52.66 | 8.49 | 11.97 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 3457 | -56.62 | -13 | -43.62 | -75.17 | -63.41 | 5.70 | 12.49 | V |
| | 5186 | -54.05 | -13 | -41.05 | -76.73 | -59.27 | 7.57 | 12.79 | V |
| | 6915 | -48.82 | -13 | -35.82 | -77.5 | -52.30 | 8.49 | 11.97 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| Middle | 3508 | -56.89 | -13 | -43.89 | -75.4 | -63.49 | 5.75 | 12.35 | H |
| | 5262 | -54.10 | -13 | -41.10 | -77.23 | -59.75 | 7.60 | 13.25 | H |
| | 7016 | -48.50 | -13 | -35.50 | -76.4 | -51.75 | 8.56 | 11.80 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 3508 | -56.60 | -13 | -43.60 | -75.39 | -63.20 | 5.75 | 12.35 | V |
| | 5262 | -53.98 | -13 | -40.98 | -77.06 | -59.63 | 7.60 | 13.25 | V |
| | 7016 | -47.76 | -13 | -34.76 | -76.76 | -51.01 | 8.56 | 11.80 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |



| | | | | | | | | | |
|---------|------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 3522 | -56.49 | -13 | -43.49 | -74.99 | -63.00 | 5.76 | 12.27 | H |
| | 5280 | -53.91 | -13 | -40.91 | -77.16 | -59.62 | 7.61 | 13.32 | H |
| | 7040 | -48.67 | -13 | -35.67 | -76.75 | -51.76 | 8.57 | 11.66 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 3522 | -56.28 | -13 | -43.28 | -75.02 | -62.79 | 5.76 | 12.27 | V |
| | 5280 | -53.46 | -13 | -40.46 | -76.65 | -59.17 | 7.61 | 13.32 | V |
| | 7040 | -47.47 | -13 | -34.47 | -76.53 | -50.56 | 8.57 | 11.66 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



<Sample 2>

<Main Antenna>

LTE Band CA 5B

| LTE Band CA_5B / 10MHz+10MHz / QPSK+QPSK | | | | | | | | | |
|--|-------------------|-------------|---------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | ERP (dBm) | Limit (dBm) | Margin (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 1667 | -63.04 | -13 | -50.04 | -73.72 | -66.59 | 3.90 | 9.60 | H |
| | 2501 | -57.96 | -13 | -44.96 | -71.72 | -61.59 | 4.83 | 10.61 | H |
| | 3335 | -58.76 | -13 | -45.76 | -75.82 | -63.36 | 5.59 | 12.34 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 1667 | -62.91 | -13 | -49.91 | -73.71 | -66.46 | 3.90 | 9.60 | V |
| | 2501 | -57.93 | -13 | -44.93 | -73.12 | -61.56 | 4.83 | 10.61 | V |
| | 3335 | -58.09 | -13 | -45.09 | -75.65 | -62.69 | 5.59 | 12.34 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| Middle | 1673 | -62.64 | -13 | -49.64 | -73.34 | -66.22 | 3.91 | 9.64 | H |
| | 2509 | -57.31 | -13 | -44.31 | -72.09 | -60.98 | 4.84 | 10.65 | H |
| | 3346 | -58.44 | -13 | -45.44 | -75.5 | -63.08 | 5.60 | 12.38 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 1673 | -62.95 | -13 | -49.95 | -73.77 | -66.53 | 3.91 | 9.64 | V |
| | 2509 | -56.80 | -13 | -43.80 | -71.98 | -60.47 | 4.84 | 10.65 | V |
| | 3346 | -57.98 | -13 | -44.98 | -75.54 | -62.62 | 5.60 | 12.38 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |



| | | | | | | | | | |
|---------|------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 1678 | -62.96 | -13 | -49.96 | -73.68 | -66.56 | 3.92 | 9.67 | H |
| | 2517 | -55.43 | -13 | -42.43 | -70.22 | -59.14 | 4.85 | 10.70 | H |
| | 3356 | -58.60 | -13 | -45.60 | -75.65 | -63.25 | 5.61 | 12.41 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 1678 | -62.56 | -13 | -49.56 | -73.41 | -66.16 | 3.92 | 9.67 | V |
| | 2517 | -58.50 | -13 | -45.50 | -73.66 | -62.21 | 4.85 | 10.70 | V |
| | 3356 | -58.12 | -13 | -45.12 | -75.68 | -62.77 | 5.61 | 12.41 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 26

| LTE Band 26 / 15MHz / QPSK | | | | | | | | | |
|----------------------------|-------------------|-------------|---------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | ERP (dBm) | Limit (dBm) | Margin (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 1649 | -63.42 | -13 | -50.42 | -74.01 | -66.88 | 3.88 | 9.49 | H |
| | 2474 | -53.58 | -13 | -40.58 | -68.38 | -57.18 | 4.80 | 10.55 | H |
| | 3299 | -59.07 | -13 | -46.07 | -76.14 | -63.56 | 5.56 | 12.19 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 1649 | -63.61 | -13 | -50.61 | -74.33 | -67.07 | 3.88 | 9.49 | V |
| | 2474 | -51.53 | -13 | -38.53 | -66.68 | -55.13 | 4.80 | 10.55 | V |
| | 3299 | -58.43 | -13 | -45.43 | -75.98 | -62.92 | 5.56 | 12.19 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| Middle | 1659 | -63.63 | -13 | -50.63 | -74.27 | -67.14 | 3.89 | 9.55 | H |
| | 2489 | -53.91 | -13 | -40.91 | -68.68 | -57.52 | 4.82 | 10.58 | H |
| | 3319 | -58.76 | -13 | -45.76 | -75.83 | -63.31 | 5.57 | 12.28 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 1659 | -62.95 | -13 | -49.95 | -73.72 | -66.46 | 3.89 | 9.55 | V |
| | 2489 | -53.01 | -13 | -40.01 | -68.19 | -56.62 | 4.82 | 10.58 | V |
| | 3319 | -58.63 | -13 | -45.63 | -76.19 | -63.18 | 5.57 | 12.28 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |



| | | | | | | | | | |
|---------|------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 1669 | -63.40 | -13 | -50.40 | -74.09 | -66.96 | 3.91 | 9.61 | H |
| | 2504 | -53.92 | -13 | -40.92 | -68.69 | -57.56 | 4.83 | 10.62 | H |
| | 3339 | -58.71 | -13 | -45.71 | -75.78 | -63.32 | 5.59 | 12.36 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 1669 | -62.44 | -13 | -49.44 | -73.25 | -66 | 3.91 | 9.61 | V |
| | 2504 | -52.01 | -13 | -39.01 | -67.2 | -55.65 | 4.83 | 10.62 | V |
| | 3339 | -58.18 | -13 | -45.18 | -75.75 | -62.79 | 5.59 | 12.36 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 12

| LTE Band 12 / 10MHz / QPSK | | | | | | | | | |
|----------------------------|-------------------|-------------|---------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | ERP (dBm) | Limit (dBm) | Margin (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 1399 | -63.66 | -13.00 | -50.66 | -73.82 | -65.33 | 3.57 | 7.39 | H |
| | 2098 | -49.70 | -13.00 | -36.70 | -63.52 | -52.87 | 4.40 | 9.72 | H |
| | 2798 | -59.28 | -13.00 | -46.28 | -75.43 | -63.03 | 5.10 | 11.00 | H |
| | 3497 | -53.90 | -13.00 | -40.90 | -71.80 | -58.42 | 5.74 | 12.41 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 1399 | -63.53 | -13.00 | -50.53 | -73.71 | -65.20 | 3.57 | 7.39 | V |
| | 2098 | -53.32 | -13.00 | -40.32 | -67.66 | -56.49 | 4.40 | 9.72 | V |
| | 2798 | -59.21 | -13.00 | -46.21 | -75.53 | -62.96 | 5.10 | 11.00 | V |
| | 3497 | -56.17 | -13.00 | -43.17 | -74.38 | -60.69 | 5.74 | 12.41 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| Middle | 1406 | -63.46 | -13.00 | -50.46 | -73.66 | -65.15 | 3.58 | 7.42 | H |
| | 2109 | -50.85 | -13.00 | -37.85 | -64.78 | -53.92 | 4.41 | 9.63 | H |
| | 2812 | -59.09 | -13.00 | -46.09 | -75.28 | -62.83 | 5.11 | 11.00 | H |
| | 3515 | -55.30 | -13.00 | -42.30 | -73.21 | -59.71 | 5.75 | 12.31 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 1406 | -63.53 | -13.00 | -50.53 | -73.75 | -65.22 | 3.58 | 7.42 | V |
| | 2109 | -51.79 | -13.00 | -38.79 | -66.26 | -54.86 | 4.41 | 9.63 | V |
| | 2812 | -58.94 | -13.00 | -45.94 | -75.28 | -62.68 | 5.11 | 11.00 | V |
| | 3515 | -56.11 | -13.00 | -43.11 | -74.27 | -60.52 | 5.75 | 12.31 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |



| | | | | | | | | | |
|---------|------|--------|--------|--------|--------|--------|------|-------|---|
| Highest | 1413 | -63.80 | -13.00 | -50.80 | -74.04 | -65.51 | 3.59 | 7.45 | H |
| | 2119 | -51.76 | -13.00 | -38.76 | -65.82 | -54.74 | 4.42 | 9.55 | H |
| | 2826 | -58.97 | -13.00 | -45.97 | -75.21 | -62.70 | 5.12 | 11.00 | H |
| | 3532 | -54.42 | -13.00 | -41.42 | -72.31 | -58.71 | 5.77 | 12.21 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 1413 | -63.46 | -13.00 | -50.46 | -73.73 | -65.17 | 3.59 | 7.45 | V |
| | 2119 | -51.64 | -13.00 | -38.64 | -66.25 | -54.62 | 4.42 | 9.55 | V |
| | 2826 | -58.97 | -13.00 | -45.97 | -75.34 | -62.70 | 5.12 | 11.00 | V |
| | 3532 | -55.15 | -13.00 | -42.15 | -73.23 | -59.44 | 5.77 | 12.21 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 71

| LTE Band 71 / 20MHz / QPSK | | | | | | | | | |
|----------------------------|-------------------|-------------|---------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | ERP (dBm) | Limit (dBm) | Margin (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 1328 | -63.75 | -13 | -50.75 | -73.19 | -67.13 | 3.47 | 6.86 | H |
| | 1992 | -58.81 | -13 | -45.81 | -71.45 | -64.73 | 4.28 | 10.20 | H |
| | 2656 | -59.38 | -13 | -46.38 | -74.67 | -65.21 | 4.97 | 10.80 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 1328 | -63.89 | -13 | -50.89 | -73.34 | -67.27 | 3.47 | 6.86 | V |
| | 1992 | -60.83 | -13 | -47.83 | -73.84 | -66.75 | 4.28 | 10.20 | V |
| | 2656 | -59.59 | -13 | -46.59 | -74.97 | -65.42 | 4.97 | 10.80 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| Middle | 1348 | -63.05 | -13 | -50.05 | -72.74 | -66.45 | 3.50 | 6.90 | H |
| | 2022 | -60.99 | -13 | -47.99 | -73.93 | -66.88 | 4.31 | 10.20 | H |
| | 2696 | -59.60 | -13 | -46.60 | -75.13 | -65.39 | 5.01 | 10.80 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 1348 | -63.13 | -13 | -50.13 | -72.78 | -66.53 | 3.50 | 6.90 | V |
| | 2022 | -59.82 | -13 | -46.82 | -73.18 | -65.71 | 4.31 | 10.20 | V |
| | 2696 | -59.37 | -13 | -46.37 | -75.01 | -65.16 | 5.01 | 10.80 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |



| | | | | | | | | | |
|---------|------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 1358 | -63.40 | -13 | -50.40 | -73.17 | -66.87 | 3.51 | 6.98 | H |
| | 2037 | -58.71 | -13 | -45.71 | -71.82 | -64.58 | 4.33 | 10.20 | H |
| | 2716 | -59.36 | -13 | -46.36 | -75.01 | -65.17 | 5.02 | 10.83 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 1358 | -63.06 | -13 | -50.06 | -72.82 | -66.53 | 3.51 | 6.98 | V |
| | 2037 | -60.95 | -13 | -47.95 | -74.5 | -66.82 | 4.33 | 10.20 | V |
| | 2716 | -59.13 | -13 | -46.13 | -74.87 | -64.94 | 5.02 | 10.83 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 7

| LTE Band 7 / 20MHz / QPSK | | | | | | | | | |
|---------------------------|-------------------|--------------|---------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 5004 | -55.57 | -25 | -30.57 | -77.61 | -60.77 | 7.49 | 12.69 | H |
| | 7503 | -48.94 | -25 | -23.94 | -78.99 | -51.39 | 8.76 | 11.21 | H |
| | 10004.1 | -44.56 | -25 | -19.56 | -78.65 | -45.65 | 10.01 | 11.11 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 5004 | -55.56 | -25 | -30.56 | -77.64 | -60.76 | 7.49 | 12.69 | V |
| | 7503 | -48.59 | -25 | -23.59 | -78.58 | -51.04 | 8.76 | 11.21 | V |
| | 10004.1 | -44.87 | -25 | -19.87 | -78.03 | -45.96 | 10.01 | 11.11 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| Middle | 5052 | -55.39 | -25 | -30.39 | -77.6 | -60.47 | 7.51 | 12.59 | H |
| | 7578 | -48.82 | -25 | -23.82 | -78.46 | -51.54 | 8.80 | 11.51 | H |
| | 10112.7 | -44.39 | -25 | -19.39 | -78.46 | -45.59 | 10.10 | 11.30 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 5052 | -55.46 | -25 | -30.46 | -77.71 | -60.54 | 7.51 | 12.59 | V |
| | 7578 | -48.50 | -25 | -23.50 | -78.69 | -51.22 | 8.80 | 11.51 | V |
| | 10112.7 | -44.90 | -25 | -19.90 | -78.18 | -46.1 | 10.10 | 11.30 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | V | |



| | | | | | | | | | |
|---------|---------|--------|-----|--------|--------|--------|-------|-------|---|
| Highest | 5100 | -55.56 | -25 | -30.56 | -77.94 | -60.43 | 7.53 | 12.40 | H |
| | 7653 | -48.53 | -25 | -23.53 | -78.08 | -51.4 | 8.83 | 11.70 | H |
| | 10203.2 | -43.93 | -25 | -18.93 | -77.98 | -45.05 | 10.18 | 11.29 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 5100 | -55.70 | -25 | -30.70 | -78.1 | -60.57 | 7.53 | 12.40 | V |
| | 7653 | -48.25 | -25 | -23.25 | -78.3 | -51.12 | 8.83 | 11.70 | V |
| | 10203.2 | -44.56 | -25 | -19.56 | -77.95 | -45.68 | 10.18 | 11.29 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | V | |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band CA 7C

| LTE Band CA_7C / 20MHz+20MHz / QPSK+QPSK | | | | | | | | | |
|--|-------------------|--------------|---------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 5040 | -55.51 | -25 | -30.51 | -77.68 | -60.62 | 7.51 | 12.62 | H |
| | 7556 | -48.38 | -25 | -23.38 | -78.13 | -51.02 | 8.79 | 11.42 | H |
| | 10076.5 | -43.78 | -25 | -18.78 | -77.86 | -44.96 | 10.07 | 11.25 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 5040 | -55.59 | -25 | -30.59 | -77.8 | -60.7 | 7.51 | 12.62 | V |
| | 7556 | -48.35 | -25 | -23.35 | -78.47 | -50.99 | 8.79 | 11.42 | V |
| | 10076.5 | -45.37 | -25 | -20.37 | -78.61 | -46.55 | 10.07 | 11.25 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| Middle | 5070 | -55.62 | -25 | -30.62 | -77.89 | -60.62 | 7.52 | 12.52 | H |
| | 7605 | -49.34 | -25 | -24.34 | -78.86 | -52.14 | 8.81 | 11.61 | H |
| | 10148.9 | -44.04 | -25 | -19.04 | -78.11 | -45.21 | 10.13 | 11.30 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 5070 | -55.73 | -25 | -30.73 | -78.03 | -60.73 | 7.52 | 12.52 | V |
| | 7605 | -48.59 | -25 | -23.59 | -78.81 | -51.39 | 8.81 | 11.61 | V |
| | 10148.9 | -44.59 | -25 | -19.59 | -77.93 | -45.76 | 10.13 | 11.30 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | V | |



| | | | | | | | | | |
|---------|---------|--------|-----|--------|--------|--------|-------|-------|---|
| Highest | 5100 | -55.14 | -25 | -30.14 | -77.52 | -60.01 | 7.53 | 12.40 | H |
| | 7647 | -48.63 | -25 | -23.63 | -78.18 | -51.5 | 8.83 | 11.69 | H |
| | 10203.2 | -43.90 | -25 | -18.90 | -77.95 | -45.02 | 10.18 | 11.29 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 5100 | -55.55 | -25 | -30.55 | -77.94 | -60.42 | 7.53 | 12.40 | V |
| | 7647 | -48.23 | -25 | -23.23 | -78.32 | -51.1 | 8.83 | 11.69 | V |
| | 10203.2 | -44.67 | -25 | -19.67 | -78.06 | -45.79 | 10.18 | 11.29 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



<MIMO2 Antenna>

LTE Band 7

| LTE Band 7 / 20MHz / QPSK | | | | | | | | | |
|---------------------------|-------------------|--------------|---------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 5002 | -55.40 | -25 | -30.40 | -77.44 | -60.61 | 7.49 | 12.70 | H |
| | 7503 | -48.24 | -25 | -23.24 | -78.29 | -50.69 | 8.76 | 11.21 | H |
| | 10004 | -44.42 | -25 | -19.42 | -78.51 | -45.51 | 10.01 | 11.11 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 5002 | -55.33 | -25 | -30.33 | -77.41 | -60.54 | 7.49 | 12.70 | V |
| | 7503 | -48.99 | -25 | -23.99 | -78.99 | -51.44 | 8.76 | 11.21 | V |
| | 10004 | -45.59 | -25 | -20.59 | -78.75 | -46.68 | 10.01 | 11.11 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| Middle | 5052 | -54.81 | -25 | -29.81 | -77.02 | -59.89 | 7.51 | 12.59 | H |
| | 7578 | -48.77 | -25 | -23.77 | -78.41 | -51.49 | 8.80 | 11.51 | H |
| | 10104 | -44.27 | -25 | -19.27 | -78.34 | -45.47 | 10.10 | 11.30 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 5052 | -55.39 | -25 | -30.39 | -77.64 | -60.47 | 7.51 | 12.59 | V |
| | 7578 | -48.15 | -25 | -23.15 | -78.34 | -50.87 | 8.80 | 11.51 | V |
| | 10104 | -44.49 | -25 | -19.49 | -77.77 | -45.69 | 10.10 | 11.30 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |



| | | | | | | | | | |
|---------|-------|--------|-----|--------|--------|--------|-------|-------|---|
| Highest | 5102 | -55.21 | -25 | -30.21 | -77.59 | -60.08 | 7.53 | 12.40 | H |
| | 7653 | -48.53 | -25 | -23.53 | -78.08 | -51.4 | 8.83 | 11.70 | H |
| | 10204 | -43.96 | -25 | -18.96 | -78.01 | -45.07 | 10.18 | 11.29 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 5102 | -55.11 | -25 | -30.11 | -77.51 | -59.98 | 7.53 | 12.40 | V |
| | 7653 | -48.16 | -25 | -23.16 | -78.22 | -51.03 | 8.83 | 11.70 | V |
| | 10204 | -44.22 | -25 | -19.22 | -77.61 | -45.33 | 10.18 | 11.29 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | V | |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band CA 7C

| LTE Band CA_7C / 20MHz+20MHz / QPSK+QPSK | | | | | | | | | |
|--|-------------------|--------------|---------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 5039 | -56.08 | -25 | -31.08 | -78.25 | -61.2 | 7.51 | 12.62 | H |
| | 7559 | -49.24 | -25 | -24.24 | -78.97 | -51.89 | 8.79 | 11.44 | H |
| | 10079 | -45.05 | -25 | -20.05 | -79.13 | -46.23 | 10.07 | 11.26 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 5039 | -55.36 | -25 | -30.36 | -77.56 | -60.48 | 7.51 | 12.62 | V |
| | 7559 | -49.16 | -25 | -24.16 | -79.3 | -51.81 | 8.79 | 11.44 | V |
| | 10079 | -45.55 | -25 | -20.55 | -78.8 | -46.73 | 10.07 | 11.26 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| Middle | 5070 | -56.23 | -25 | -31.23 | -78.5 | -61.23 | 7.52 | 12.52 | H |
| | 7605 | -49.52 | -25 | -24.52 | -79.04 | -52.32 | 8.81 | 11.61 | H |
| | 10140 | -44.34 | -25 | -19.34 | -78.41 | -45.52 | 10.12 | 11.30 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 5070 | -56.18 | -25 | -31.18 | -78.48 | -61.18 | 7.52 | 12.52 | V |
| | 7605 | -48.72 | -25 | -23.72 | -78.94 | -51.52 | 8.81 | 11.61 | V |
| | 10140 | -45.56 | -25 | -20.56 | -78.88 | -46.74 | 10.12 | 11.30 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
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| | | | | | | | | V | |



| | | | | | | | | | |
|---------|-------|--------|-----|--------|--------|--------|-------|-------|---|
| Highest | 5100 | -56.49 | -25 | -31.49 | -78.87 | -61.36 | 7.53 | 12.40 | H |
| | 7650 | -49.16 | -25 | -24.16 | -78.72 | -52.03 | 8.83 | 11.70 | H |
| | 10200 | -44.66 | -25 | -19.66 | -78.72 | -45.79 | 10.17 | 11.30 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 5100 | -56.47 | -25 | -31.47 | -78.86 | -61.34 | 7.53 | 12.40 | V |
| | 7650 | -48.71 | -25 | -23.71 | -78.79 | -51.58 | 8.83 | 11.70 | V |
| | 10200 | -45.06 | -25 | -20.06 | 78.45 | -46.19 | 10.17 | 11.30 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.