

Appendix B.17

LTE CA_41C



Effective (Isotropic) Radiated Power Output Data

Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result (dBm) | EIRP (dBm) | Limit (dBm) | Verdict |
|-------|-------------|---------------|-------------|------------------|--------------|------------|-------------|---------|
| 41-41 | 10MHz-15MHz | QPSK-QPSK | 39703-39823 | 1RB#0-0RB#0 | 24.96 | 28.16 | 33 | PASS |
| 41-41 | 10MHz-15MHz | QPSK-QPSK | 39703-39823 | 50RB#0-75RB#0 | 23.29 | 26.49 | 33 | PASS |
| 41-41 | 10MHz-15MHz | QPSK-QPSK | 40549-40669 | 1RB#0-0RB#0 | 25.18 | 28.38 | 33 | PASS |
| 41-41 | 10MHz-15MHz | QPSK-QPSK | 40549-40669 | 50RB#0-75RB#0 | 23.48 | 26.68 | 33 | PASS |
| 41-41 | 10MHz-15MHz | QPSK-QPSK | 41395-41515 | 1RB#0-0RB#0 | 25.04 | 28.24 | 33 | PASS |
| 41-41 | 10MHz-15MHz | QPSK-QPSK | 41395-41515 | 50RB#0-75RB#0 | 23.43 | 26.63 | 33 | PASS |
| 41-41 | 10MHz-15MHz | 16QAM-16QAM | 39703-39823 | 1RB#0-0RB#0 | 23.82 | 27.02 | 33 | PASS |
| 41-41 | 10MHz-15MHz | 16QAM-16QAM | 39703-39823 | 50RB#0-75RB#0 | 22.32 | 25.52 | 33 | PASS |
| 41-41 | 10MHz-15MHz | 16QAM-16QAM | 40549-40669 | 1RB#0-0RB#0 | 24.08 | 27.28 | 33 | PASS |
| 41-41 | 10MHz-15MHz | 16QAM-16QAM | 40549-40669 | 50RB#0-75RB#0 | 22.54 | 25.74 | 33 | PASS |
| 41-41 | 10MHz-15MHz | 16QAM-16QAM | 41395-41515 | 1RB#0-0RB#0 | 24.79 | 27.99 | 33 | PASS |
| 41-41 | 10MHz-15MHz | 16QAM-16QAM | 41395-41515 | 50RB#0-75RB#0 | 22.49 | 25.69 | 33 | PASS |
| 41-41 | 10MHz-15MHz | 64QAM-64QAM | 39703-39823 | 1RB#0-0RB#0 | 23.12 | 26.32 | 33 | PASS |
| 41-41 | 10MHz-15MHz | 64QAM-64QAM | 39703-39823 | 50RB#0-75RB#0 | 22.33 | 25.53 | 33 | PASS |
| 41-41 | 10MHz-15MHz | 64QAM-64QAM | 40549-40669 | 1RB#0-0RB#0 | 23.42 | 26.62 | 33 | PASS |
| 41-41 | 10MHz-15MHz | 64QAM-64QAM | 40549-40669 | 50RB#0-75RB#0 | 22.55 | 25.75 | 33 | PASS |
| 41-41 | 10MHz-15MHz | 64QAM-64QAM | 41395-41515 | 1RB#0-0RB#0 | 23.25 | 26.45 | 33 | PASS |
| 41-41 | 10MHz-15MHz | 64QAM-64QAM | 41395-41515 | 50RB#0-75RB#0 | 22.5 | 25.7 | 33 | PASS |
| 41-41 | 10MHz-15MHz | 256QAM-256QAM | 39703-39823 | 1RB#0-0RB#0 | 21.02 | 24.22 | 33 | PASS |
| 41-41 | 10MHz-15MHz | 256QAM-256QAM | 39703-39823 | 50RB#0-75RB#0 | 20.32 | 23.52 | 33 | PASS |
| 41-41 | 10MHz-15MHz | 256QAM-256QAM | 40549-40669 | 1RB#0-0RB#0 | 21.25 | 24.45 | 33 | PASS |
| 41-41 | 10MHz-15MHz | 256QAM-256QAM | 40549-40669 | 50RB#0-75RB#0 | 20.22 | 23.42 | 33 | PASS |
| 41-41 | 10MHz-15MHz | 256QAM-256QAM | 41395-41515 | 1RB#0-0RB#0 | 21.36 | 24.56 | 33 | PASS |
| 41-41 | 10MHz-15MHz | 256QAM-256QAM | 41395-41515 | 50RB#0-75RB#0 | 20.41 | 23.61 | 33 | PASS |
| 41-41 | 10MHz-20MHz | QPSK-QPSK | 39705-39849 | 1RB#0-0RB#0 | 24.82 | 28.02 | 33 | PASS |
| 41-41 | 10MHz-20MHz | QPSK-QPSK | 39705-39849 | 50RB#0-100RB#0 | 23.22 | 26.42 | 33 | PASS |



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| | | | | | | | | |
|-------|-------------|---------------|-------------|----------------|-------|-------|----|------|
| 41-41 | 10MHz-20MHz | QPSK-QPSK | 40526-40670 | 1RB#0-0RB#0 | 25.15 | 28.35 | 33 | PASS |
| 41-41 | 10MHz-20MHz | QPSK-QPSK | 40526-40670 | 50RB#0-100RB#0 | 23.52 | 26.72 | 33 | PASS |
| 41-41 | 10MHz-20MHz | QPSK-QPSK | 41346-41490 | 1RB#0-0RB#0 | 24.9 | 28.1 | 33 | PASS |
| 41-41 | 10MHz-20MHz | QPSK-QPSK | 41346-41490 | 50RB#0-100RB#0 | 23.37 | 26.57 | 33 | PASS |
| 41-41 | 10MHz-20MHz | 16QAM-16QAM | 39705-39849 | 1RB#0-0RB#0 | 23.83 | 27.03 | 33 | PASS |
| 41-41 | 10MHz-20MHz | 16QAM-16QAM | 39705-39849 | 50RB#0-100RB#0 | 22.26 | 25.46 | 33 | PASS |
| 41-41 | 10MHz-20MHz | 16QAM-16QAM | 40526-40670 | 1RB#0-0RB#0 | 24.06 | 27.26 | 33 | PASS |
| 41-41 | 10MHz-20MHz | 16QAM-16QAM | 40526-40670 | 50RB#0-100RB#0 | 22.57 | 25.77 | 33 | PASS |
| 41-41 | 10MHz-20MHz | 16QAM-16QAM | 41346-41490 | 1RB#0-0RB#0 | 23.79 | 26.99 | 33 | PASS |
| 41-41 | 10MHz-20MHz | 16QAM-16QAM | 41346-41490 | 50RB#0-100RB#0 | 21.85 | 25.05 | 33 | PASS |
| 41-41 | 10MHz-20MHz | 64QAM-64QAM | 39705-39849 | 1RB#0-0RB#0 | 23.04 | 26.24 | 33 | PASS |
| 41-41 | 10MHz-20MHz | 64QAM-64QAM | 39705-39849 | 50RB#0-100RB#0 | 22.3 | 25.5 | 33 | PASS |
| 41-41 | 10MHz-20MHz | 64QAM-64QAM | 40526-40670 | 1RB#0-0RB#0 | 23.39 | 26.59 | 33 | PASS |
| 41-41 | 10MHz-20MHz | 64QAM-64QAM | 40526-40670 | 50RB#0-100RB#0 | 22.58 | 25.78 | 33 | PASS |
| 41-41 | 10MHz-20MHz | 64QAM-64QAM | 41346-41490 | 1RB#0-0RB#0 | 23.15 | 26.35 | 33 | PASS |
| 41-41 | 10MHz-20MHz | 64QAM-64QAM | 41346-41490 | 50RB#0-100RB#0 | 22.46 | 25.66 | 33 | PASS |
| 41-41 | 10MHz-20MHz | 256QAM-256QAM | 39705-39849 | 1RB#0-0RB#0 | 21.52 | 24.72 | 33 | PASS |
| 41-41 | 10MHz-20MHz | 256QAM-256QAM | 39705-39849 | 50RB#0-100RB#0 | 20.36 | 23.56 | 33 | PASS |
| 41-41 | 10MHz-20MHz | 256QAM-256QAM | 40526-40670 | 1RB#0-0RB#0 | 21.41 | 24.61 | 33 | PASS |
| 41-41 | 10MHz-20MHz | 256QAM-256QAM | 40526-40670 | 50RB#0-100RB#0 | 20.36 | 23.56 | 33 | PASS |
| 41-41 | 10MHz-20MHz | 256QAM-256QAM | 41346-41490 | 1RB#0-0RB#0 | 21.41 | 24.61 | 33 | PASS |
| 41-41 | 10MHz-20MHz | 256QAM-256QAM | 41346-41490 | 50RB#0-100RB#0 | 20.52 | 23.72 | 33 | PASS |
| 41-41 | 15MHz-10MHz | QPSK-QPSK | 39725-39845 | 1RB#0-0RB#0 | 16.17 | 19.37 | 33 | PASS |
| 41-41 | 15MHz-10MHz | QPSK-QPSK | 39725-39845 | 75RB#0-50RB#0 | 23.4 | 26.6 | 33 | PASS |
| 41-41 | 15MHz-10MHz | QPSK-QPSK | 40571-40691 | 1RB#0-0RB#0 | 25.38 | 28.58 | 33 | PASS |
| 41-41 | 15MHz-10MHz | QPSK-QPSK | 40571-40691 | 75RB#0-50RB#0 | 23.54 | 26.74 | 33 | PASS |
| 41-41 | 15MHz-10MHz | QPSK-QPSK | 41417-41537 | 1RB#0-0RB#0 | 25.22 | 28.42 | 33 | PASS |
| 41-41 | 15MHz-10MHz | QPSK-QPSK | 41417-41537 | 75RB#0-50RB#0 | 22.39 | 25.59 | 33 | PASS |
| 41-41 | 15MHz-10MHz | 16QAM-16QAM | 39725-39845 | 1RB#0-0RB#0 | 16.72 | 19.92 | 33 | PASS |
| 41-41 | 15MHz-10MHz | 16QAM-16QAM | 39725-39845 | 75RB#0-50RB#0 | 22.1 | 25.3 | 33 | PASS |
| 41-41 | 15MHz-10MHz | 16QAM-16QAM | 40571-40691 | 1RB#0-0RB#0 | 24.26 | 27.46 | 33 | PASS |
| 41-41 | 15MHz-10MHz | 16QAM-16QAM | 40571-40691 | 75RB#0-50RB#0 | 22.56 | 25.76 | 33 | PASS |
| 41-41 | 15MHz-10MHz | 16QAM-16QAM | 41417-41537 | 1RB#0-0RB#0 | 24.05 | 27.25 | 33 | PASS |



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Table with 9 columns: Item ID, Frequency, Modulation, Standard, Test Method, Result 1, Result 2, Pass/Fail, and Overall Status. All results are PASS.



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|-------|-------------|---------------|-------------|----------------|-------|-------|----|------|
| 41-41 | 15MHz-15MHz | 256QAM-256QAM | 40545-40695 | 1RB#0-0RB#0 | 21.02 | 24.22 | 33 | PASS |
| 41-41 | 15MHz-15MHz | 256QAM-256QAM | 40545-40695 | 75RB#0-75RB#0 | 20.12 | 23.32 | 33 | PASS |
| 41-41 | 15MHz-15MHz | 256QAM-256QAM | 41365-41515 | 1RB#0-0RB#0 | 21.36 | 24.56 | 33 | PASS |
| 41-41 | 15MHz-15MHz | 256QAM-256QAM | 41365-41515 | 75RB#0-75RB#0 | 20.33 | 23.53 | 33 | PASS |
| 41-41 | 15MHz-20MHz | QPSK-QPSK | 39728-39899 | 1RB#0-0RB#0 | 24.93 | 28.13 | 33 | PASS |
| 41-41 | 15MHz-20MHz | QPSK-QPSK | 39728-39899 | 75RB#0-100RB#0 | 23.32 | 26.52 | 33 | PASS |
| 41-41 | 15MHz-20MHz | QPSK-QPSK | 40523-40694 | 1RB#0-0RB#0 | 25.19 | 28.39 | 33 | PASS |
| 41-41 | 15MHz-20MHz | QPSK-QPSK | 40523-40694 | 75RB#0-100RB#0 | 23.55 | 26.75 | 33 | PASS |
| 41-41 | 15MHz-20MHz | QPSK-QPSK | 41319-41490 | 1RB#0-0RB#0 | 24.96 | 28.16 | 33 | PASS |
| 41-41 | 15MHz-20MHz | QPSK-QPSK | 41319-41490 | 75RB#0-100RB#0 | 23.47 | 26.67 | 33 | PASS |
| 41-41 | 15MHz-20MHz | 16QAM-16QAM | 39728-39899 | 1RB#0-0RB#0 | 23.76 | 26.96 | 33 | PASS |
| 41-41 | 15MHz-20MHz | 16QAM-16QAM | 39728-39899 | 75RB#0-100RB#0 | 22.36 | 25.56 | 33 | PASS |
| 41-41 | 15MHz-20MHz | 16QAM-16QAM | 40523-40694 | 1RB#0-0RB#0 | 24.04 | 27.24 | 33 | PASS |
| 41-41 | 15MHz-20MHz | 16QAM-16QAM | 40523-40694 | 75RB#0-100RB#0 | 22.58 | 25.78 | 33 | PASS |
| 41-41 | 15MHz-20MHz | 16QAM-16QAM | 41319-41490 | 1RB#0-0RB#0 | 23.79 | 26.99 | 33 | PASS |
| 41-41 | 15MHz-20MHz | 16QAM-16QAM | 41319-41490 | 75RB#0-100RB#0 | 22.47 | 25.67 | 33 | PASS |
| 41-41 | 15MHz-20MHz | 64QAM-64QAM | 39728-39899 | 1RB#0-0RB#0 | 23.12 | 26.32 | 33 | PASS |
| 41-41 | 15MHz-20MHz | 64QAM-64QAM | 39728-39899 | 75RB#0-100RB#0 | 22.36 | 25.56 | 33 | PASS |
| 41-41 | 15MHz-20MHz | 64QAM-64QAM | 40523-40694 | 1RB#0-0RB#0 | 23.38 | 26.58 | 33 | PASS |
| 41-41 | 15MHz-20MHz | 64QAM-64QAM | 40523-40694 | 75RB#0-100RB#0 | 22.58 | 25.78 | 33 | PASS |
| 41-41 | 15MHz-20MHz | 64QAM-64QAM | 41319-41490 | 1RB#0-0RB#0 | 23.14 | 26.34 | 33 | PASS |
| 41-41 | 15MHz-20MHz | 64QAM-64QAM | 41319-41490 | 75RB#0-100RB#0 | 22.49 | 25.69 | 33 | PASS |
| 41-41 | 15MHz-20MHz | 256QAM-256QAM | 39728-39899 | 1RB#0-0RB#0 | 21.25 | 24.45 | 33 | PASS |
| 41-41 | 15MHz-20MHz | 256QAM-256QAM | 39728-39899 | 75RB#0-100RB#0 | 20.21 | 23.41 | 33 | PASS |
| 41-41 | 15MHz-20MHz | 256QAM-256QAM | 40523-40694 | 1RB#0-0RB#0 | 21.41 | 24.61 | 33 | PASS |
| 41-41 | 15MHz-20MHz | 256QAM-256QAM | 40523-40694 | 75RB#0-100RB#0 | 20.33 | 23.53 | 33 | PASS |
| 41-41 | 15MHz-20MHz | 256QAM-256QAM | 41319-41490 | 1RB#0-0RB#0 | 21.14 | 24.34 | 33 | PASS |
| 41-41 | 15MHz-20MHz | 256QAM-256QAM | 41319-41490 | 75RB#0-100RB#0 | 20.36 | 23.56 | 33 | PASS |
| 41-41 | 20MHz-15MHz | QPSK-QPSK | 39750-39921 | 100RB#0-75RB#0 | 22.92 | 26.12 | 33 | PASS |
| 41-41 | 20MHz-15MHz | QPSK-QPSK | 39750-39921 | 1RB#0-0RB#0 | 24.77 | 27.97 | 33 | PASS |
| 41-41 | 20MHz-15MHz | QPSK-QPSK | 40546-40717 | 100RB#0-75RB#0 | 23.5 | 26.7 | 33 | PASS |
| 41-41 | 20MHz-15MHz | QPSK-QPSK | 40546-40717 | 1RB#0-0RB#0 | 25.02 | 28.22 | 33 | PASS |
| 41-41 | 20MHz-15MHz | QPSK-QPSK | 41341-41512 | 100RB#0-75RB#0 | 19.81 | 23.01 | 33 | PASS |



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|-------|-------------|---------------|-------------|-----------------|-------|-------|----|------|
| 41-41 | 20MHz-15MHz | QPSK-QPSK | 41341-41512 | 1RB#0-0RB#0 | 24.79 | 27.99 | 33 | PASS |
| 41-41 | 20MHz-15MHz | 16QAM-16QAM | 39750-39921 | 100RB#0-75RB#0 | 22.4 | 25.6 | 33 | PASS |
| 41-41 | 20MHz-15MHz | 16QAM-16QAM | 39750-39921 | 1RB#0-0RB#0 | 23.63 | 26.83 | 33 | PASS |
| 41-41 | 20MHz-15MHz | 16QAM-16QAM | 40546-40717 | 100RB#0-75RB#0 | 22.6 | 25.8 | 33 | PASS |
| 41-41 | 20MHz-15MHz | 16QAM-16QAM | 40546-40717 | 1RB#0-0RB#0 | 23.9 | 27.1 | 33 | PASS |
| 41-41 | 20MHz-15MHz | 16QAM-16QAM | 41341-41512 | 100RB#0-75RB#0 | 21.57 | 24.77 | 33 | PASS |
| 41-41 | 20MHz-15MHz | 16QAM-16QAM | 41341-41512 | 1RB#0-0RB#0 | 23.63 | 26.83 | 33 | PASS |
| 41-41 | 20MHz-15MHz | 64QAM-64QAM | 39750-39921 | 100RB#0-75RB#0 | 22.37 | 25.57 | 33 | PASS |
| 41-41 | 20MHz-15MHz | 64QAM-64QAM | 39750-39921 | 1RB#0-0RB#0 | 22.93 | 26.13 | 33 | PASS |
| 41-41 | 20MHz-15MHz | 64QAM-64QAM | 40546-40717 | 100RB#0-75RB#0 | 22.54 | 25.74 | 33 | PASS |
| 41-41 | 20MHz-15MHz | 64QAM-64QAM | 40546-40717 | 1RB#0-0RB#0 | 23.23 | 26.43 | 33 | PASS |
| 41-41 | 20MHz-15MHz | 64QAM-64QAM | 41341-41512 | 100RB#0-75RB#0 | 21.57 | 24.77 | 33 | PASS |
| 41-41 | 20MHz-15MHz | 64QAM-64QAM | 41341-41512 | 1RB#0-0RB#0 | 22.99 | 26.19 | 33 | PASS |
| 41-41 | 20MHz-15MHz | 256QAM-256QAM | 39750-39921 | 100RB#0-75RB#0 | 20.25 | 23.45 | 33 | PASS |
| 41-41 | 20MHz-15MHz | 256QAM-256QAM | 39750-39921 | 1RB#0-0RB#0 | 21.32 | 24.52 | 33 | PASS |
| 41-41 | 20MHz-15MHz | 256QAM-256QAM | 40546-40717 | 100RB#0-75RB#0 | 20.14 | 23.34 | 33 | PASS |
| 41-41 | 20MHz-15MHz | 256QAM-256QAM | 40546-40717 | 1RB#0-0RB#0 | 21.25 | 24.45 | 33 | PASS |
| 41-41 | 20MHz-15MHz | 256QAM-256QAM | 41341-41512 | 100RB#0-75RB#0 | 20.36 | 23.56 | 33 | PASS |
| 41-41 | 20MHz-15MHz | 256QAM-256QAM | 41341-41512 | 1RB#0-0RB#0 | 21.11 | 24.31 | 33 | PASS |
| 41-41 | 20MHz-20MHz | QPSK-QPSK | 39750-39948 | 100RB#0-100RB#0 | 23.27 | 26.47 | 33 | PASS |
| 41-41 | 20MHz-20MHz | QPSK-QPSK | 39750-39948 | 1RB#0-0RB#0 | 24.62 | 27.82 | 33 | PASS |
| 41-41 | 20MHz-20MHz | QPSK-QPSK | 40521-40719 | 100RB#0-100RB#0 | 23.5 | 26.7 | 33 | PASS |
| 41-41 | 20MHz-20MHz | QPSK-QPSK | 40521-40719 | 1RB#0-0RB#0 | 24.97 | 28.17 | 33 | PASS |
| 41-41 | 20MHz-20MHz | QPSK-QPSK | 41292-41490 | 100RB#0-100RB#0 | 23.4 | 26.6 | 33 | PASS |
| 41-41 | 20MHz-20MHz | QPSK-QPSK | 41292-41490 | 1RB#0-0RB#0 | 24.61 | 27.81 | 33 | PASS |
| 41-41 | 20MHz-20MHz | 16QAM-16QAM | 39750-39948 | 100RB#0-100RB#0 | 22.35 | 25.55 | 33 | PASS |
| 41-41 | 20MHz-20MHz | 16QAM-16QAM | 39750-39948 | 1RB#0-0RB#0 | 23.61 | 26.81 | 33 | PASS |
| 41-41 | 20MHz-20MHz | 16QAM-16QAM | 40521-40719 | 100RB#0-100RB#0 | 22.55 | 25.75 | 33 | PASS |
| 41-41 | 20MHz-20MHz | 16QAM-16QAM | 40521-40719 | 1RB#0-0RB#0 | 23.83 | 27.03 | 33 | PASS |
| 41-41 | 20MHz-20MHz | 16QAM-16QAM | 41292-41490 | 100RB#0-100RB#0 | 22.45 | 25.65 | 33 | PASS |
| 41-41 | 20MHz-20MHz | 16QAM-16QAM | 41292-41490 | 1RB#0-0RB#0 | 23.47 | 26.67 | 33 | PASS |
| 41-41 | 20MHz-20MHz | 64QAM-64QAM | 39750-39948 | 100RB#0-100RB#0 | 22.3 | 25.5 | 33 | PASS |
| 41-41 | 20MHz-20MHz | 64QAM-64QAM | 39750-39948 | 1RB#0-0RB#0 | 23.93 | 27.13 | 33 | PASS |



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| | | | | | | | | |
|-------|-------------|---------------|-------------|-----------------|-------|-------|----|------|
| 41-41 | 20MHz-20MHz | 64QAM-64QAM | 40521-40719 | 100RB#0-100RB#0 | 22.51 | 25.71 | 33 | PASS |
| 41-41 | 20MHz-20MHz | 64QAM-64QAM | 40521-40719 | 1RB#0-0RB#0 | 23.19 | 26.39 | 33 | PASS |
| 41-41 | 20MHz-20MHz | 64QAM-64QAM | 41292-41490 | 100RB#0-100RB#0 | 22.43 | 25.63 | 33 | PASS |
| 41-41 | 20MHz-20MHz | 64QAM-64QAM | 41292-41490 | 1RB#0-0RB#0 | 22.85 | 26.05 | 33 | PASS |
| 41-41 | 20MHz-20MHz | 256QAM-256QAM | 39750-39948 | 100RB#0-100RB#0 | 20.36 | 23.56 | 33 | PASS |
| 41-41 | 20MHz-20MHz | 256QAM-256QAM | 39750-39948 | 1RB#0-0RB#0 | 21.45 | 24.65 | 33 | PASS |
| 41-41 | 20MHz-20MHz | 256QAM-256QAM | 40521-40719 | 100RB#0-100RB#0 | 20.41 | 23.61 | 33 | PASS |
| 41-41 | 20MHz-20MHz | 256QAM-256QAM | 40521-40719 | 1RB#0-0RB#0 | 21.52 | 24.72 | 33 | PASS |
| 41-41 | 20MHz-20MHz | 256QAM-256QAM | 41292-41490 | 100RB#0-100RB#0 | 20.41 | 23.61 | 33 | PASS |
| 41-41 | 20MHz-20MHz | 256QAM-256QAM | 41292-41490 | 1RB#0-0RB#0 | 21.36 | 24.56 | 33 | PASS |
| 41-41 | 20MHz-5MHz | QPSK-QPSK | 39750-39867 | 100RB#0-25RB#0 | 23.38 | 26.58 | 33 | PASS |
| 41-41 | 20MHz-5MHz | QPSK-QPSK | 39750-39867 | 1RB#0-0RB#0 | 24.94 | 28.14 | 33 | PASS |
| 41-41 | 20MHz-5MHz | QPSK-QPSK | 40595-40712 | 100RB#0-25RB#0 | 23.46 | 26.66 | 33 | PASS |
| 41-41 | 20MHz-5MHz | QPSK-QPSK | 40595-40712 | 1RB#0-0RB#0 | 25.21 | 28.41 | 33 | PASS |
| 41-41 | 20MHz-5MHz | QPSK-QPSK | 41440-41557 | 100RB#0-25RB#0 | 23.39 | 26.59 | 33 | PASS |
| 41-41 | 20MHz-5MHz | QPSK-QPSK | 41440-41557 | 1RB#0-0RB#0 | 25.04 | 28.24 | 33 | PASS |
| 41-41 | 20MHz-5MHz | 16QAM-16QAM | 39750-39867 | 100RB#0-25RB#0 | 22.44 | 25.64 | 33 | PASS |
| 41-41 | 20MHz-5MHz | 16QAM-16QAM | 39750-39867 | 1RB#0-0RB#0 | 23.75 | 26.95 | 33 | PASS |
| 41-41 | 20MHz-5MHz | 16QAM-16QAM | 40595-40712 | 100RB#0-25RB#0 | 22.53 | 25.73 | 33 | PASS |
| 41-41 | 20MHz-5MHz | 16QAM-16QAM | 40595-40712 | 1RB#0-0RB#0 | 24.13 | 27.33 | 33 | PASS |
| 41-41 | 20MHz-5MHz | 16QAM-16QAM | 41440-41557 | 100RB#0-25RB#0 | 22.46 | 25.66 | 33 | PASS |
| 41-41 | 20MHz-5MHz | 16QAM-16QAM | 41440-41557 | 1RB#0-0RB#0 | 24.11 | 27.31 | 33 | PASS |
| 41-41 | 20MHz-5MHz | 64QAM-64QAM | 39750-39867 | 100RB#0-25RB#0 | 22.42 | 25.62 | 33 | PASS |
| 41-41 | 20MHz-5MHz | 64QAM-64QAM | 39750-39867 | 1RB#0-0RB#0 | 23.14 | 26.34 | 33 | PASS |
| 41-41 | 20MHz-5MHz | 64QAM-64QAM | 40595-40712 | 100RB#0-25RB#0 | 22.49 | 25.69 | 33 | PASS |
| 41-41 | 20MHz-5MHz | 64QAM-64QAM | 40595-40712 | 1RB#0-0RB#0 | 23.46 | 26.66 | 33 | PASS |
| 41-41 | 20MHz-5MHz | 64QAM-64QAM | 41440-41557 | 100RB#0-25RB#0 | 22.42 | 25.62 | 33 | PASS |
| 41-41 | 20MHz-5MHz | 64QAM-64QAM | 41440-41557 | 1RB#0-0RB#0 | 23.23 | 26.43 | 33 | PASS |
| 41-41 | 20MHz-5MHz | 256QAM-256QAM | 39750-39867 | 100RB#0-25RB#0 | 20.41 | 23.61 | 33 | PASS |
| 41-41 | 20MHz-5MHz | 256QAM-256QAM | 39750-39867 | 1RB#0-0RB#0 | 21.41 | 24.61 | 33 | PASS |
| 41-41 | 20MHz-5MHz | 256QAM-256QAM | 40595-40712 | 100RB#0-25RB#0 | 20.36 | 23.56 | 33 | PASS |
| 41-41 | 20MHz-5MHz | 256QAM-256QAM | 40595-40712 | 1RB#0-0RB#0 | 21.52 | 24.72 | 33 | PASS |
| 41-41 | 20MHz-5MHz | 256QAM-256QAM | 41440-41557 | 100RB#0-25RB#0 | 20.71 | 23.91 | 33 | PASS |



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| | | | | | | | | |
|-------|------------|---------------|-------------|----------------|-------|-------|----|------|
| 41-41 | 20MHz-5MHz | 256QAM-256QAM | 41440-41557 | 1RB#0-0RB#0 | 21.36 | 24.56 | 33 | PASS |
| 41-41 | 5MHz-20MHz | QPSK-QPSK | 39683-39800 | 1RB#0-0RB#0 | 24.98 | 28.18 | 33 | PASS |
| 41-41 | 5MHz-20MHz | QPSK-QPSK | 39683-39800 | 25RB#0-100RB#0 | 23.2 | 26.4 | 33 | PASS |
| 41-41 | 5MHz-20MHz | QPSK-QPSK | 40528-40645 | 1RB#0-0RB#0 | 25.26 | 28.46 | 33 | PASS |
| 41-41 | 5MHz-20MHz | QPSK-QPSK | 40528-40645 | 25RB#0-100RB#0 | 23.53 | 26.73 | 33 | PASS |
| 41-41 | 5MHz-20MHz | QPSK-QPSK | 41373-41490 | 1RB#0-0RB#0 | 25.04 | 28.24 | 33 | PASS |
| 41-41 | 5MHz-20MHz | QPSK-QPSK | 41373-41490 | 25RB#0-100RB#0 | 23.46 | 26.66 | 33 | PASS |
| 41-41 | 5MHz-20MHz | 16QAM-16QAM | 39683-39800 | 1RB#0-0RB#0 | 24.81 | 28.01 | 33 | PASS |
| 41-41 | 5MHz-20MHz | 16QAM-16QAM | 39683-39800 | 25RB#0-100RB#0 | 22.18 | 25.38 | 33 | PASS |
| 41-41 | 5MHz-20MHz | 16QAM-16QAM | 40528-40645 | 1RB#0-0RB#0 | 24.15 | 27.35 | 33 | PASS |
| 41-41 | 5MHz-20MHz | 16QAM-16QAM | 40528-40645 | 25RB#0-100RB#0 | 22.47 | 25.67 | 33 | PASS |
| 41-41 | 5MHz-20MHz | 16QAM-16QAM | 41373-41490 | 1RB#0-0RB#0 | 23.89 | 27.09 | 33 | PASS |
| 41-41 | 5MHz-20MHz | 16QAM-16QAM | 41373-41490 | 25RB#0-100RB#0 | 22.4 | 25.6 | 33 | PASS |
| 41-41 | 5MHz-20MHz | 64QAM-64QAM | 39683-39800 | 1RB#0-0RB#0 | 23.2 | 26.4 | 33 | PASS |
| 41-41 | 5MHz-20MHz | 64QAM-64QAM | 39683-39800 | 25RB#0-100RB#0 | 22.17 | 25.37 | 33 | PASS |
| 41-41 | 5MHz-20MHz | 64QAM-64QAM | 40528-40645 | 1RB#0-0RB#0 | 23.5 | 26.7 | 33 | PASS |
| 41-41 | 5MHz-20MHz | 64QAM-64QAM | 40528-40645 | 25RB#0-100RB#0 | 22.52 | 25.72 | 33 | PASS |
| 41-41 | 5MHz-20MHz | 64QAM-64QAM | 41373-41490 | 1RB#0-0RB#0 | 23.25 | 26.45 | 33 | PASS |
| 41-41 | 5MHz-20MHz | 64QAM-64QAM | 41373-41490 | 25RB#0-100RB#0 | 22.44 | 25.64 | 33 | PASS |
| 41-41 | 5MHz-20MHz | 256QAM-256QAM | 39683-39800 | 1RB#0-0RB#0 | 21.36 | 24.56 | 33 | PASS |
| 41-41 | 5MHz-20MHz | 256QAM-256QAM | 39683-39800 | 25RB#0-100RB#0 | 20.41 | 23.61 | 33 | PASS |
| 41-41 | 5MHz-20MHz | 256QAM-256QAM | 40528-40645 | 1RB#0-0RB#0 | 21.56 | 24.76 | 33 | PASS |
| 41-41 | 5MHz-20MHz | 256QAM-256QAM | 40528-40645 | 25RB#0-100RB#0 | 20.36 | 23.56 | 33 | PASS |
| 41-41 | 5MHz-20MHz | 256QAM-256QAM | 41373-41490 | 1RB#0-0RB#0 | 21.53 | 24.73 | 33 | PASS |
| 41-41 | 5MHz-20MHz | 256QAM-256QAM | 41373-41490 | 25RB#0-100RB#0 | 20.39 | 23.59 | 33 | PASS |



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Field Strength of Spurious Radiation

Test Band = LTE CA_41C_TM1

Test Channel = Low

| Final Data List | | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|------------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 4994.1800 | 49.87 | -45.63 | 32.86 | -58.16 | -25.00 | 33.16 | 248 | 135 | Horizontal |
| 2 | 7491.2700 | 47.84 | -43.16 | 36.44 | -54.14 | -25.00 | 29.14 | 186 | 105 | Horizontal |
| 3 | 9988.3600 | 37.85 | -39.25 | 38.47 | -58.19 | -25.00 | 33.19 | 196 | 90 | Horizontal |
| 4 | 12485.4500 | 31.27 | -37.04 | 39.16 | -61.87 | -25.00 | 36.87 | 251 | 90 | Horizontal |
| 5 | 14982.5400 | 29.49 | -34.64 | 39.26 | -61.15 | -25.00 | 36.15 | 145 | 30 | Horizontal |
| 6 | 17479.6300 | 31.93 | -35.10 | 39.13 | -59.30 | -25.00 | 34.30 | 136 | 181 | Horizontal |

| Final Data List | | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|----------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 4994.1800 | 50.31 | -45.63 | 32.86 | -57.72 | -25.00 | 32.72 | 244 | 344 | Vertical |
| 2 | 7491.2700 | 46.48 | -43.16 | 36.44 | -55.50 | -25.00 | 30.50 | 199 | 300 | Vertical |
| 3 | 9988.3600 | 37.41 | -39.25 | 38.47 | -58.63 | -25.00 | 33.63 | 154 | 179 | Vertical |
| 4 | 12485.4500 | 31.89 | -37.04 | 39.16 | -61.25 | -25.00 | 36.25 | 126 | 151 | Vertical |
| 5 | 14982.5400 | 28.38 | -34.64 | 39.26 | -62.26 | -25.00 | 37.26 | 135 | 358 | Vertical |
| 6 | 17479.6300 | 32.55 | -35.10 | 39.13 | -58.68 | -25.00 | 33.68 | 148 | 105 | Vertical |



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Test Band = LTE CA_41C_TM1

Test Channel = Mid

| Final Data List | | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|------------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 4062.75 | 51.71 | -45.86 | 30.89 | -58.52 | -25.00 | 33.52 | 248 | 224 | Horizontal |
| 2 | 5148.3800 | 48.06 | -45.33 | 32.96 | -59.56 | -25.00 | 34.56 | 196 | 74 | Horizontal |
| 3 | 7722.5700 | 46.22 | -42.94 | 36.63 | -55.35 | -25.00 | 30.35 | 125 | 134 | Horizontal |
| 4 | 10296.7600 | 35.61 | -39.10 | 38.83 | -59.92 | -25.00 | 34.92 | 148 | 252 | Horizontal |
| 5 | 12870.9500 | 32.29 | -37.03 | 39.70 | -60.30 | -25.00 | 35.30 | 163 | 360 | Horizontal |
| 6 | 15445.1400 | 30.33 | -34.35 | 38.65 | -60.63 | -25.00 | 35.63 | 256 | 117 | Horizontal |

| Final Data List | | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|----------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 3187.5 | 58.25 | -45.80 | 29.66 | -53.15 | -25.00 | 28.15 | 248 | 179 | Vertical |
| 2 | 5148.3800 | 51.25 | -45.33 | 32.96 | -56.37 | -25.00 | 31.37 | 156 | 4 | Vertical |
| 3 | 7722.5700 | 43.55 | -42.94 | 36.63 | -58.02 | -25.00 | 33.02 | 132 | 300 | Vertical |
| 4 | 10296.7600 | 35.62 | -39.10 | 38.83 | -59.91 | -25.00 | 34.91 | 126 | 286 | Vertical |
| 5 | 12870.9500 | 31.97 | -37.03 | 39.70 | -60.62 | -25.00 | 35.62 | 177 | 151 | Vertical |
| 6 | 15445.1400 | 30.61 | -34.35 | 38.65 | -60.35 | -25.00 | 35.35 | 145 | 360 | Vertical |



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Test Band = LTE CA_41C_TM1

Test Channel = High

| Final Data List | | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|------------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 3636.75 | 51.09 | -45.90 | 29.74 | -60.33 | -25.00 | 35.33 | 256 | 352 | Horizontal |
| 2 | 5302.5800 | 51.99 | -45.10 | 32.89 | -55.47 | -25.00 | 30.47 | 214 | 195 | Horizontal |
| 3 | 7953.8700 | 42.41 | -42.56 | 36.96 | -58.46 | -25.00 | 33.46 | 135 | 147 | Horizontal |
| 4 | 10605.1600 | 34.81 | -38.44 | 39.06 | -59.82 | -25.00 | 34.82 | 122 | 4 | Horizontal |
| 5 | 13256.4500 | 30.84 | -37.02 | 39.99 | -61.45 | -25.00 | 36.45 | 255 | 269 | Horizontal |
| 6 | 15907.7400 | 31.22 | -34.35 | 38.02 | -60.37 | -25.00 | 35.37 | 196 | 360 | Horizontal |

| Final Data List | | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|----------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 3187.5 | 58.39 | -45.80 | 29.66 | -53.01 | -25.00 | 28.01 | 248 | 118 | Vertical |
| 2 | 5302.5800 | 48.35 | -45.10 | 32.89 | -59.11 | -25.00 | 34.11 | 199 | 316 | Vertical |
| 3 | 7953.8700 | 42.97 | -42.56 | 36.96 | -57.90 | -25.00 | 32.90 | 165 | 358 | Vertical |
| 4 | 10605.1600 | 34.87 | -38.44 | 39.06 | -59.76 | -25.00 | 34.76 | 145 | 284 | Vertical |
| 5 | 13256.4500 | 31.04 | -37.02 | 39.99 | -61.25 | -25.00 | 36.25 | 122 | 359 | Vertical |
| 6 | 15907.7400 | 31.65 | -34.35 | 38.02 | -59.94 | -25.00 | 34.94 | 186 | 225 | Vertical |

Remark:

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

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

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