

## Appendix C: Test Data For E-UTRA Band 7

### C.1: RF Output Power

| Channel Bandwidth 5 MHz |         |                  |        |                     |               |         |
|-------------------------|---------|------------------|--------|---------------------|---------------|---------|
| Modulation              | Channel | RB Configuration |        | Average Power [dBm] | E.i.r.p [dBm] | Verdict |
|                         |         | Size             | Offset |                     |               |         |
| QPSK                    | LCH     | 1                | 0      | 22.09               |               | PASS    |
|                         |         | 1                | 12     | 22.12               |               | PASS    |
|                         |         | 1                | 24     | 22.31               |               | PASS    |
|                         |         | 12               | 0      | 21.84               |               | PASS    |
|                         |         | 12               | 6      | 22.00               |               | PASS    |
|                         |         | 12               | 13     | 21.98               |               | PASS    |
|                         |         | 25               | 0      | 21.60               |               | PASS    |
|                         | MCH     | 1                | 0      | 22.24               |               | PASS    |
|                         |         | 1                | 12     | 21.56               |               | PASS    |
|                         |         | 1                | 24     | 22.34               |               | PASS    |
|                         |         | 12               | 0      | 21.91               |               | PASS    |
|                         |         | 12               | 6      | 21.71               |               | PASS    |
|                         |         | 12               | 13     | 21.95               |               | PASS    |
|                         |         | 25               | 0      | 22.36               |               | PASS    |
|                         | HCH     | 1                | 0      | 21.55               |               | PASS    |
|                         |         | 1                | 12     | 22.41               |               | PASS    |
|                         |         | 1                | 24     | 22.06               |               | PASS    |
|                         |         | 12               | 0      | 21.72               |               | PASS    |
|                         |         | 12               | 6      | 21.83               |               | PASS    |
|                         |         | 12               | 13     | 21.86               |               | PASS    |
|                         |         | 25               | 0      | 21.20               |               | PASS    |
| 16QAM                   | LCH     | 1                | 0      | 21.27               |               | PASS    |
|                         |         | 1                | 12     | 21.23               |               | PASS    |
|                         |         | 1                | 24     | 20.75               |               | PASS    |
|                         |         | 12               | 0      | 20.81               |               | PASS    |
|                         |         | 12               | 6      | 21.26               |               | PASS    |
|                         |         | 12               | 13     | 20.74               |               | PASS    |
|                         |         | 25               | 0      | 21.42               |               | PASS    |
|                         | MCH     | 1                | 0      | 21.13               |               | PASS    |
|                         |         | 1                | 12     | 21.21               |               | PASS    |
|                         |         | 1                | 24     | 21.15               |               | PASS    |
|                         |         | 12               | 0      | 21.44               |               | PASS    |
|                         |         | 12               | 6      | 21.10               |               | PASS    |
|                         |         | 12               | 13     | 20.93               |               | PASS    |
|                         |         | 25               | 0      | 20.86               |               | PASS    |
|                         | HCH     | 1                | 0      | 21.49               |               | PASS    |

|  |  |    |    |       |  |      |
|--|--|----|----|-------|--|------|
|  |  | 1  | 12 | 21.37 |  | PASS |
|  |  | 1  | 24 | 21.10 |  | PASS |
|  |  | 12 | 0  | 21.03 |  | PASS |
|  |  | 12 | 6  | 20.76 |  | PASS |
|  |  | 12 | 13 | 20.85 |  | PASS |
|  |  | 25 | 0  | 20.46 |  | PASS |

| Channel Bandwidth 10 MHz |         |                  |        |                     |               |         |
|--------------------------|---------|------------------|--------|---------------------|---------------|---------|
| Modulation               | Channel | RB Configuration |        | Average Power [dBm] | E.i.r.p [dBm] | Verdict |
|                          |         | Size             | Offset |                     |               |         |
| QPSK                     | LCH     | 1                | 0      | 22.14               |               | PASS    |
|                          |         | 1                | 24     | 22.24               |               | PASS    |
|                          |         | 1                | 49     | 21.99               |               | PASS    |
|                          |         | 25               | 0      | 21.64               |               | PASS    |
|                          |         | 25               | 12     | 21.54               |               | PASS    |
|                          |         | 25               | 25     | 22.49               |               | PASS    |
|                          |         | 50               | 0      | 21.53               |               | PASS    |
|                          | MCH     | 1                | 0      | 21.83               |               | PASS    |
|                          |         | 1                | 24     | 22.02               |               | PASS    |
|                          |         | 1                | 49     | 22.12               |               | PASS    |
|                          |         | 25               | 0      | 21.57               |               | PASS    |
|                          |         | 25               | 12     | 21.55               |               | PASS    |
|                          |         | 25               | 25     | 22.08               |               | PASS    |
|                          |         | 50               | 0      | 21.56               |               | PASS    |
|                          | HCH     | 1                | 0      | 21.80               |               | PASS    |
|                          |         | 1                | 24     | 21.80               |               | PASS    |
|                          |         | 1                | 49     | 22.32               |               | PASS    |
|                          |         | 25               | 0      | 21.52               |               | PASS    |
|                          |         | 25               | 12     | 21.73               |               | PASS    |
|                          |         | 25               | 25     | 21.35               |               | PASS    |
|                          |         | 50               | 0      | 21.55               |               | PASS    |
| 16QAM                    | LCH     | 1                | 0      | 21.34               |               | PASS    |
|                          |         | 1                | 24     | 20.80               |               | PASS    |
|                          |         | 1                | 49     | 20.90               |               | PASS    |
|                          |         | 25               | 0      | 21.03               |               | PASS    |
|                          |         | 25               | 12     | 21.46               |               | PASS    |
|                          |         | 25               | 25     | 21.28               |               | PASS    |
|                          |         | 50               | 0      | 20.78               |               | PASS    |
|                          | MCH     | 1                | 0      | 21.17               |               | PASS    |
|                          |         | 1                | 24     | 21.14               |               | PASS    |
|                          |         | 1                | 49     | 20.56               |               | PASS    |
|                          |         | 25               | 0      | 21.34               |               | PASS    |
|                          |         | 25               | 12     | 21.45               |               | PASS    |
|                          |         | 25               | 25     | 20.51               |               | PASS    |

|  |     |    |    |       |  |      |
|--|-----|----|----|-------|--|------|
|  | HCH | 50 | 0  | 20.87 |  | PASS |
|  |     | 1  | 0  | 21.40 |  | PASS |
|  |     | 1  | 24 | 21.33 |  | PASS |
|  |     | 1  | 49 | 20.73 |  | PASS |
|  |     | 25 | 0  | 21.21 |  | PASS |
|  |     | 25 | 12 | 20.83 |  | PASS |
|  |     | 25 | 25 | 20.16 |  | PASS |
|  |     | 50 | 0  | 20.86 |  | PASS |

| Channel Bandwidth 15 MHz |         |                  |        |                     |               |         |
|--------------------------|---------|------------------|--------|---------------------|---------------|---------|
| Modulation               | Channel | RB Configuration |        | Average Power [dBm] | E.i.r.p [dBm] | Verdict |
|                          |         | Size             | Offset |                     |               |         |
| QPSK                     | LCH     | 1                | 0      | 21.55               |               | PASS    |
|                          |         | 1                | 37     | 21.62               |               | PASS    |
|                          |         | 1                | 74     | 22.08               |               | PASS    |
|                          |         | 37               | 0      | 22.26               |               | PASS    |
|                          |         | 37               | 18     | 21.85               |               | PASS    |
|                          |         | 37               | 38     | 22.41               |               | PASS    |
|                          |         | 75               | 0      | 22.00               |               | PASS    |
|                          | MCH     | 1                | 0      | 21.83               |               | PASS    |
|                          |         | 1                | 37     | 22.16               |               | PASS    |
|                          |         | 1                | 74     | 22.11               |               | PASS    |
|                          |         | 37               | 0      | 22.33               |               | PASS    |
|                          |         | 37               | 18     | 21.66               |               | PASS    |
|                          |         | 37               | 38     | 21.76               |               | PASS    |
|                          |         | 75               | 0      | 21.88               |               | PASS    |
|                          | HCH     | 1                | 0      | 21.79               |               | PASS    |
|                          |         | 1                | 37     | 21.96               |               | PASS    |
|                          |         | 1                | 74     | 22.13               |               | PASS    |
|                          |         | 37               | 0      | 21.70               |               | PASS    |
|                          |         | 37               | 18     | 22.30               |               | PASS    |
|                          |         | 37               | 38     | 21.02               |               | PASS    |
|                          |         | 75               | 0      | 21.29               |               | PASS    |
| 16QAM                    | LCH     | 1                | 0      | 21.47               |               | PASS    |
|                          |         | 1                | 37     | 20.79               |               | PASS    |
|                          |         | 1                | 74     | 21.45               |               | PASS    |
|                          |         | 37               | 0      | 20.77               |               | PASS    |
|                          |         | 37               | 18     | 21.42               |               | PASS    |
|                          |         | 37               | 38     | 21.39               |               | PASS    |
|                          |         | 75               | 0      | 21.09               |               | PASS    |
|                          | MCH     | 1                | 0      | 20.92               |               | PASS    |
|                          |         | 1                | 37     | 20.94               |               | PASS    |
|                          |         | 1                | 74     | 20.95               |               | PASS    |
|                          |         | 37               | 0      | 21.04               |               | PASS    |

|  |     |    |    |       |  |      |
|--|-----|----|----|-------|--|------|
|  |     | 37 | 18 | 20.65 |  | PASS |
|  |     | 37 | 38 | 20.61 |  | PASS |
|  |     | 75 | 0  | 20.93 |  | PASS |
|  | HCH | 1  | 0  | 20.78 |  | PASS |
|  |     | 1  | 37 | 20.65 |  | PASS |
|  |     | 1  | 74 | 21.20 |  | PASS |
|  |     | 37 | 0  | 20.83 |  | PASS |
|  |     | 37 | 18 | 21.41 |  | PASS |
|  |     | 37 | 38 | 20.35 |  | PASS |
|  |     | 75 | 0  | 20.98 |  | PASS |

| Channel Bandwidth 20 MHz |         |                  |        |                     |               |         |
|--------------------------|---------|------------------|--------|---------------------|---------------|---------|
| Modulation               | Channel | RB Configuration |        | Average Power [dBm] | E.i.r.p [dBm] | Verdict |
|                          |         | Size             | Offset |                     |               |         |
| QPSK                     | LCH     | 1                | 0      | 22.24               |               | PASS    |
|                          |         | 1                | 49     | 22.40               |               | PASS    |
|                          |         | 1                | 99     | 22.21               |               | PASS    |
|                          |         | 50               | 0      | 21.58               |               | PASS    |
|                          |         | 50               | 25     | 21.86               |               | PASS    |
|                          |         | 50               | 50     | 21.77               |               | PASS    |
|                          |         | 100              | 0      | 21.62               |               | PASS    |
|                          | MCH     | 1                | 0      | 21.96               |               | PASS    |
|                          |         | 1                | 49     | 22.38               |               | PASS    |
|                          |         | 1                | 99     | 21.54               |               | PASS    |
|                          |         | 50               | 0      | 21.79               |               | PASS    |
|                          |         | 50               | 25     | 21.61               |               | PASS    |
|                          |         | 50               | 50     | 21.67               |               | PASS    |
|                          |         | 100              | 0      | 21.21               |               | PASS    |
|                          | HCH     | 1                | 0      | 22.38               |               | PASS    |
|                          |         | 1                | 49     | 22.05               |               | PASS    |
|                          |         | 1                | 99     | 22.06               |               | PASS    |
|                          |         | 50               | 0      | 21.81               |               | PASS    |
|                          |         | 50               | 25     | 21.63               |               | PASS    |
|                          |         | 50               | 50     | 21.69               |               | PASS    |
|                          |         | 100              | 0      | 21.68               |               | PASS    |
| 16QAM                    | LCH     | 1                | 0      | 20.99               |               | PASS    |
|                          |         | 1                | 49     | 21.32               |               | PASS    |
|                          |         | 1                | 99     | 21.03               |               | PASS    |
|                          |         | 50               | 0      | 21.09               |               | PASS    |
|                          |         | 50               | 25     | 20.76               |               | PASS    |
|                          |         | 50               | 50     | 20.88               |               | PASS    |
|                          |         | 100              | 0      | 20.86               |               | PASS    |
|                          | MCH     | 1                | 0      | 21.40               |               | PASS    |
|                          |         | 1                | 49     | 20.66               |               | PASS    |

|  |     |     |    |       |  |      |
|--|-----|-----|----|-------|--|------|
|  |     | 1   | 99 | 20.97 |  | PASS |
|  |     | 50  | 0  | 20.81 |  | PASS |
|  |     | 50  | 25 | 20.85 |  | PASS |
|  |     | 50  | 50 | 20.48 |  | PASS |
|  |     | 100 | 0  | 20.34 |  | PASS |
|  | HCH | 1   | 0  | 21.14 |  | PASS |
|  |     | 1   | 49 | 20.94 |  | PASS |
|  |     | 1   | 99 | 20.52 |  | PASS |
|  |     | 50  | 0  | 20.59 |  | PASS |
|  |     | 50  | 25 | 20.50 |  | PASS |
|  |     | 50  | 50 | 20.56 |  | PASS |
|  |     | 100 | 0  | 20.87 |  | PASS |