

## Appendix C: Test Data For E-UTRA Band 5

### C.1: RF Output Power

| Modulation | Channel | RB Configuration |        | Average Power [dBm] | ERP [dBm] | Verdict |
|------------|---------|------------------|--------|---------------------|-----------|---------|
|            |         | Size             | Offset |                     |           |         |
| QPSK       | LCH     | 1                | 0      | 22.08               |           | PASS    |
|            |         | 1                | 3      | 22.13               |           | PASS    |
|            |         | 1                | 5      | 22.32               |           | PASS    |
|            |         | 3                | 0      | 22.26               |           | PASS    |
|            |         | 3                | 2      | 22.34               |           | PASS    |
|            |         | 3                | 3      | 22.28               |           | PASS    |
|            |         | 6                | 0      | 22.22               |           | PASS    |
|            | MCH     | 1                | 0      | 22.46               |           | PASS    |
|            |         | 1                | 3      | 22.22               |           | PASS    |
|            |         | 1                | 5      | 22.29               |           | PASS    |
|            |         | 3                | 0      | 22.23               |           | PASS    |
|            |         | 3                | 2      | 22.09               |           | PASS    |
|            |         | 3                | 3      | 22.40               |           | PASS    |
|            |         | 6                | 0      | 22.29               |           | PASS    |
| 16QAM      | LCH     | 1                | 0      | 22.37               |           | PASS    |
|            |         | 1                | 3      | 22.23               |           | PASS    |
|            |         | 1                | 5      | 22.25               |           | PASS    |
|            |         | 3                | 0      | 22.33               |           | PASS    |
|            |         | 3                | 2      | 22.48               |           | PASS    |
|            |         | 3                | 3      | 22.22               |           | PASS    |
|            |         | 6                | 0      | 22.07               |           | PASS    |
|            | MCH     | 1                | 0      | 22.08               |           | PASS    |
|            |         | 1                | 3      | 22.13               |           | PASS    |
|            |         | 1                | 5      | 22.22               |           | PASS    |
|            |         | 3                | 0      | 22.26               |           | PASS    |
|            |         | 3                | 2      | 22.34               |           | PASS    |
|            |         | 3                | 3      | 22.38               |           | PASS    |
|            |         | 6                | 0      | 22.22               |           | PASS    |
|            | HCH     | 1                | 0      | 22.46               |           | PASS    |
|            |         | 1                | 3      | 22.22               |           | PASS    |
|            |         | 1                | 5      | 22.29               |           | PASS    |
|            |         | 3                | 0      | 22.63               |           | PASS    |
|            |         | 3                | 2      | 22.09               |           | PASS    |
|            |         | 3                | 3      | 22.50               |           | PASS    |
|            |         | 6                | 0      | 22.29               |           | PASS    |
|            | HCH     | 1                | 0      | 22.87               |           | PASS    |
|            |         | 1                | 3      | 22.53               |           | PASS    |
|            |         | 1                | 5      | 22.25               |           | PASS    |

|  |  |   |   |       |  |      |
|--|--|---|---|-------|--|------|
|  |  | 3 | 0 | 22.73 |  | PASS |
|  |  | 3 | 2 | 22.48 |  | PASS |
|  |  | 3 | 3 | 22.52 |  | PASS |
|  |  | 6 | 0 | 22.07 |  | PASS |

| Channel Bandwidth: 3 MHz |         |                  |        |                     |           |         |
|--------------------------|---------|------------------|--------|---------------------|-----------|---------|
| Modulation               | Channel | RB Configuration |        | Average Power [dBm] | ERP [dBm] | Verdict |
|                          |         | Size             | Offset |                     |           |         |
| QPSK                     | LCH     | 1                | 0      | 22.15               |           | PASS    |
|                          |         | 1                | 7      | 22.12               |           | PASS    |
|                          |         | 1                | 14     | 22.18               |           | PASS    |
|                          |         | 8                | 0      | 22.05               |           | PASS    |
|                          |         | 8                | 4      | 22.21               |           | PASS    |
|                          |         | 8                | 7      | 22.16               |           | PASS    |
|                          |         | 15               | 0      | 22.11               |           | PASS    |
|                          | MCH     | 1                | 0      | 22.22               |           | PASS    |
|                          |         | 1                | 7      | 22.19               |           | PASS    |
|                          |         | 1                | 14     | 22.35               |           | PASS    |
|                          |         | 8                | 0      | 22.40               |           | PASS    |
|                          |         | 8                | 4      | 22.10               |           | PASS    |
|                          |         | 8                | 7      | 21.98               |           | PASS    |
|                          |         | 15               | 0      | 22.17               |           | PASS    |
| 16QAM                    | HCH     | 1                | 0      | 22.31               |           | PASS    |
|                          |         | 1                | 7      | 22.24               |           | PASS    |
|                          |         | 1                | 14     | 22.18               |           | PASS    |
|                          |         | 8                | 0      | 22.13               |           | PASS    |
|                          |         | 8                | 4      | 22.77               |           | PASS    |
|                          |         | 8                | 7      | 22.23               |           | PASS    |
|                          |         | 15               | 0      | 21.49               |           | PASS    |
|                          | LCH     | 1                | 0      | 21.95               |           | PASS    |
|                          |         | 1                | 7      | 22.36               |           | PASS    |
|                          |         | 1                | 14     | 22.26               |           | PASS    |
|                          |         | 8                | 0      | 22.27               |           | PASS    |
|                          |         | 8                | 4      | 22.20               |           | PASS    |
|                          |         | 8                | 7      | 21.58               |           | PASS    |
|                          |         | 15               | 0      | 22.35               |           | PASS    |
|                          | MCH     | 1                | 0      | 21.29               |           | PASS    |
|                          |         | 1                | 7      | 20.93               |           | PASS    |
|                          |         | 1                | 14     | 21.48               |           | PASS    |
|                          |         | 8                | 0      | 21.16               |           | PASS    |
|                          |         | 8                | 4      | 21.44               |           | PASS    |
|                          |         | 8                | 7      | 21.82               |           | PASS    |
|                          |         | 15               | 0      | 21.67               |           | PASS    |
|                          | HCH     | 1                | 0      | 21.42               |           | PASS    |

|  |  |    |    |       |  |      |
|--|--|----|----|-------|--|------|
|  |  | 1  | 7  | 21.30 |  | PASS |
|  |  | 1  | 14 | 21.59 |  | PASS |
|  |  | 8  | 0  | 21.00 |  | PASS |
|  |  | 8  | 4  | 21.21 |  | PASS |
|  |  | 8  | 7  | 20.56 |  | PASS |
|  |  | 15 | 0  | 20.61 |  | PASS |

| Channel Bandwidth: 5 MHz |         |                  |        |                     |           |         |
|--------------------------|---------|------------------|--------|---------------------|-----------|---------|
| Modulation               | Channel | RB Configuration |        | Average Power [dBm] | ERP [dBm] | Verdict |
|                          |         | Size             | Offset |                     |           |         |
| QPSK                     | LCH     | 1                | 0      | 21.95               |           | PASS    |
|                          |         | 1                | 12     | 22.36               |           | PASS    |
|                          |         | 1                | 24     | 22.46               |           | PASS    |
|                          |         | 12               | 0      | 22.47               |           | PASS    |
|                          |         | 12               | 6      | 22.20               |           | PASS    |
|                          |         | 12               | 13     | 21.58               |           | PASS    |
|                          |         | 25               | 0      | 22.35               |           | PASS    |
|                          | MCH     | 1                | 0      | 22.05               |           | PASS    |
|                          |         | 1                | 12     | 21.94               |           | PASS    |
|                          |         | 1                | 24     | 22.12               |           | PASS    |
|                          |         | 12               | 0      | 22.49               |           | PASS    |
|                          |         | 12               | 6      | 21.87               |           | PASS    |
|                          |         | 12               | 13     | 21.58               |           | PASS    |
|                          |         | 25               | 0      | 22.06               |           | PASS    |
|                          | HCH     | 1                | 0      | 21.98               |           | PASS    |
|                          |         | 1                | 12     | 22.20               |           | PASS    |
|                          |         | 1                | 24     | 22.09               |           | PASS    |
|                          |         | 12               | 0      | 22.45               |           | PASS    |
|                          |         | 12               | 6      | 21.56               |           | PASS    |
|                          |         | 12               | 13     | 21.95               |           | PASS    |
|                          |         | 25               | 0      | 21.23               |           | PASS    |
| 16QAM                    | LCH     | 1                | 0      | 20.72               |           | PASS    |
|                          |         | 1                | 12     | 21.36               |           | PASS    |
|                          |         | 1                | 24     | 20.69               |           | PASS    |
|                          |         | 12               | 0      | 20.88               |           | PASS    |
|                          |         | 12               | 6      | 20.77               |           | PASS    |
|                          |         | 12               | 13     | 21.42               |           | PASS    |
|                          |         | 25               | 0      | 21.25               |           | PASS    |
|                          | MCH     | 1                | 0      | 21.50               |           | PASS    |
|                          |         | 1                | 12     | 21.12               |           | PASS    |
|                          |         | 1                | 24     | 21.04               |           | PASS    |
|                          |         | 12               | 0      | 20.75               |           | PASS    |
|                          |         | 12               | 6      | 21.00               |           | PASS    |
|                          |         | 12               | 13     | 21.34               |           | PASS    |

|     |    |    |       |  |      |
|-----|----|----|-------|--|------|
| HCH | 25 | 0  | 21.04 |  | PASS |
|     | 1  | 0  | 20.77 |  | PASS |
|     | 1  | 12 | 20.84 |  | PASS |
|     | 1  | 24 | 20.99 |  | PASS |
|     | 12 | 0  | 20.69 |  | PASS |
|     | 12 | 6  | 21.24 |  | PASS |
|     | 12 | 13 | 20.52 |  | PASS |
|     | 25 | 0  | 20.82 |  | PASS |

| Channel Bandwidth: 10 MHz |         |                  |        |                     |           |         |
|---------------------------|---------|------------------|--------|---------------------|-----------|---------|
| Modulation                | Channel | RB Configuration |        | Average Power [dBm] | ERP [dBm] | Verdict |
|                           |         | Size             | Offset |                     |           |         |
| QPSK                      | LCH     | 1                | 0      | 21.96               |           | PASS    |
|                           |         | 1                | 24     | 21.65               |           | PASS    |
|                           |         | 1                | 49     | 21.76               |           | PASS    |
|                           |         | 25               | 0      | <b>22.49</b>        |           | PASS    |
|                           |         | 25               | 12     | 21.52               |           | PASS    |
|                           |         | 25               | 25     | 21.59               |           | PASS    |
|                           |         | 50               | 0      | 21.72               |           | PASS    |
|                           | MCH     | 1                | 0      | 21.99               |           | PASS    |
|                           |         | 1                | 24     | 21.61               |           | PASS    |
|                           |         | 1                | 49     | 21.65               |           | PASS    |
|                           |         | 25               | 0      | 22.20               |           | PASS    |
|                           |         | 25               | 12     | 21.66               |           | PASS    |
|                           |         | 25               | 25     | 22.05               |           | PASS    |
|                           |         | 50               | 0      | 22.38               |           | PASS    |
|                           | HCH     | 1                | 0      | 22.43               |           | PASS    |
|                           |         | 1                | 24     | 21.97               |           | PASS    |
|                           |         | 1                | 49     | 21.84               |           | PASS    |
|                           |         | 25               | 0      | 21.79               |           | PASS    |
|                           |         | 25               | 12     | 22.28               |           | PASS    |
|                           |         | 25               | 25     | 21.06               |           | PASS    |
|                           |         | 50               | 0      | 21.35               |           | PASS    |
| 16QAM                     | LCH     | 1                | 0      | 21.46               |           | PASS    |
|                           |         | 1                | 24     | 21.19               |           | PASS    |
|                           |         | 1                | 49     | 20.50               |           | PASS    |
|                           |         | 25               | 0      | 21.31               |           | PASS    |
|                           |         | 25               | 12     | 20.70               |           | PASS    |
|                           |         | 25               | 25     | 20.65               |           | PASS    |
|                           |         | 50               | 0      | 21.42               |           | PASS    |
|                           | MCH     | 1                | 0      | 20.96               |           | PASS    |
|                           |         | 1                | 24     | 21.21               |           | PASS    |
|                           |         | 1                | 49     | 21.29               |           | PASS    |
|                           |         | 25               | 0      | 20.92               |           | PASS    |

|     |  |    |    |       |  |      |
|-----|--|----|----|-------|--|------|
| HCH |  | 25 | 12 | 21.18 |  | PASS |
|     |  | 25 | 25 | 21.28 |  | PASS |
|     |  | 50 | 0  | 20.93 |  | PASS |
|     |  | 1  | 0  | 21.50 |  | PASS |
|     |  | 1  | 24 | 21.17 |  | PASS |
|     |  | 1  | 49 | 20.68 |  | PASS |
|     |  | 25 | 0  | 20.69 |  | PASS |
|     |  | 25 | 12 | 21.00 |  | PASS |
|     |  | 25 | 25 | 20.15 |  | PASS |
|     |  | 50 | 0  | 20.56 |  | PASS |