

## **Annex A. LTE Frequency Stability**

## 1. LTE\_Band7

### 1.1. LTE Frequency Stability

| UL Channel | Bandwidth (MHz) | UL Modulation | UL RB Number | UL RB Position | Lower Limit (Hz) | Upper Limit (Hz) | Measured (Hz) | Verdict |
|------------|-----------------|---------------|--------------|----------------|------------------|------------------|---------------|---------|
| 20775      | 5               | QPSK          | 25           | 0              | -6256.25         | 6256.25          | -22.9         | Pass    |
| 20775      | 5               | 16QAM         | 25           | 0              | -6256.25         | 6256.25          | -19.63        | Pass    |
| 21100      | 5               | QPSK          | 25           | 0              | -6337.5          | 6337.5           | 9.07          | Pass    |
| 21100      | 5               | 16QAM         | 25           | 0              | -6337.5          | 6337.5           | 12.47         | Pass    |
| 21425      | 5               | QPSK          | 25           | 0              | -6418.75         | 6418.75          | 15.26         | Pass    |
| 21425      | 5               | 16QAM         | 25           | 0              | -6418.75         | 6418.75          | 1.32          | Pass    |
| 20800      | 10              | QPSK          | 50           | 0              | -6262.5          | 6262.5           | -14.38        | Pass    |
| 20800      | 10              | 16QAM         | 50           | 0              | -6262.5          | 6262.5           | -12.27        | Pass    |
| 21100      | 10              | QPSK          | 50           | 0              | -6337.5          | 6337.5           | 18.42         | Pass    |
| 21100      | 10              | 16QAM         | 50           | 0              | -6337.5          | 6337.5           | 17.31         | Pass    |
| 21400      | 10              | QPSK          | 50           | 0              | -6412.5          | 6412.5           | 16.15         | Pass    |
| 21400      | 10              | 16QAM         | 50           | 0              | -6412.5          | 6412.5           | 22.64         | Pass    |
| 20825      | 15              | QPSK          | 75           | 0              | -6268.75         | 6268.75          | -19.83        | Pass    |
| 20825      | 15              | 16QAM         | 75           | 0              | -6268.75         | 6268.75          | -18.3         | Pass    |
| 21100      | 15              | QPSK          | 75           | 0              | -6337.5          | 6337.5           | 14.91         | Pass    |
| 21100      | 15              | 16QAM         | 75           | 0              | -6337.5          | 6337.5           | 16.39         | Pass    |
| 21375      | 15              | QPSK          | 75           | 0              | -6406.25         | 6406.25          | 13.18         | Pass    |
| 21375      | 15              | 16QAM         | 75           | 0              | -6406.25         | 6406.25          | 17.58         | Pass    |
| 20850      | 20              | QPSK          | 100          | 0              | -6275            | 6275             | -17.52        | Pass    |
| 20850      | 20              | 16QAM         | 100          | 0              | -6275            | 6275             | 13.52         | Pass    |
| 21100      | 20              | QPSK          | 100          | 0              | -6337.5          | 6337.5           | 18.2          | Pass    |
| 21100      | 20              | 16QAM         | 100          | 0              | -6337.5          | 6337.5           | 17.85         | Pass    |
| 21350      | 20              | QPSK          | 100          | 0              | -6400            | 6400             | 18.54         | Pass    |
| 21350      | 20              | 16QAM         | 100          | 0              | -6400            | 6400             | 19.6          | Pass    |

END