

Table 1 Simulation parameters

|   |                               |
|---|-------------------------------|
| Basic parameters  | 3GPP TS 38.101 Clause 5.4.3.1 |
| Data type   | Floating point                |
| Time and frequency synchronization, channel estimation, and noise variance estimation | Perfect                       |
| Equalizer type  | LMMSE                         |

Table 2 PBCH demodulation performance in case SS/PBCH block index is known

| Test number | Bandwidth (MHz)/Subcarrier spacing (kHz) | Reference channel | Propagation condition | Antenna configuration and correlation matrix | Demodulation performance |          |
|-------------|--|-------------------|-----------------------|--|--------------------------|----------|
|             |  |                   |                       |  | Pm-bch(%)                | SNR (dB) |
| 1           | 10/15                                    | R.PBCH.1          | TDLC300-100           | 1x4 Low                                      | 1                        | -19      |
| Note        |  |                   |                       |  |                          |          |

In case of unknown SS/PBCH block index, the required SNR is less than -10 dB dependent on complexity of practical channel estimation and noise variance estimation.