# Annex B: Evaluations results

## B.1 Link level evaluation results

### B.1.1 Evaluation results for PDSCH

Table B.1.1-1: LLS template: SNR in dB achieving PDSCH BLER of 10% /1%

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Tdoc /  Source | MCS | Channel | 120KHz /400MHz | 240KHz /400MHz | 480KHz /400MHz | 960KHz /400MHz | 960KHz /2GHz |
| Lenovo, Motorola Mobility | 7 | TDL-A, 5ns | 3/ 5.2 | 3.2/ 5.17 | 3.2/5.22 | 3.7/5.9 | 2.4/ 3.9 |
| TDL-A, 10ns | 2.6/ 4.5 | 2.7/ 4.7 | 2.7/ 4.7 | 3.5/5.5 | 2.4/ 3.9 |
| TDL-A, 20ns | 2.4/ 3.9 | 2.6/ 4.1 | 3.1/ 4.5 | 4/ 5.9 | 2.4/ 3.8 |
| TDL-A, 40ns | 2.4/3.9 | 2.6/4.4 | 3.8/5.4 | 5.1/7 |  |
| CDL-B, 20ns | 4.9/5.9 | 5.2/6.1 | 6/6.8 | 5.2/6.2 | 5/6.2 |
| CDL-B, 50ns | 5.1/7 | 5.3/6.8 | 7/8.3 | 7.8/8.9 | 7.5/8.7 |
| 16 | TDL-A, 5ns | 11.2/ 14.4 | 11.2/ 14.2 | 10.9/ 13.5 | 11 /13.8 | 10.9/ 12.8 |
| TDL-A, 10ns | 10.8/ 13 | 10.8/ 13 | 10.5/ 12.5 | 11/13.7 | 10.9/ 12.9 |
| TDL-A, 20ns | 10.7/ 12.6 | 10.7/ 12.6 | 10.7/ 12.6 | 11.5/ 13.8 | 10.5/ 12.3 |
| TDL-A, 40ns | 10.8/12.7 | 10.9/12.8 | 11/12.8 | 13/15.1 |  |
| CDL-B, 20ns | 13/14.5 | 12.3/12.9 | 13.1/13.8 | 12/12.7 | 12.3/13.2 |
| CDL-B, 50ns | 13.2/14.5 | 13.7/15.5 | 14.7/15.6 | 18/19.7 | 18.1/20.9 |
| 22 | TDL-A, 5ns | 27/ -  *\*Note* | 20/-  *\*Note* | 18/33 | 17.8 / 26.8 | 24/-  *\*Note* |
| TDL-A, 10ns | -/-  *\*Note* | 25.2/-  *\*Note* | 19.1/-  *\*Note* | 18.5/ 33 | -/-  *\*Note* |
| TDL-A, 20ns | -/-  *\*Note* | -/-  *\*Note* | 23.5/-  *\*Note* | 20/-  *\*Note* | -/-  *\*Note* |
| TDL-A, 40ns | -/-  *\*Note* | -/-  *\*Note* | 27/-  *\*Note* | -/-  *\*Note* |  |
| ***TDL-A, 40ns (ECP)*** | ***-/-***  *\*Note* | ***-/-***  *\*Note* | ***24/-***  *\*Note* | ***22.5/-***  *\*Note* |  |
| CDL-B, 20ns | -/-  *\*Note* | -/-  *\*Note* | 21.2/25.8 | 17.4/18.4 | 19.3/21.8 |
| CDL-B, 50ns | -/-  *\*Note* | -/ -  *\*Note* | -/-  *\*Note* | -/-  *\*Note* | -/-  *\*Note* |
| ***CDL-B, 50ns (ECP)*** |  |  | ***21.4/26.1*** | ***19.1/21.4*** | ***21.4/25.3*** |
| Additional report/notes:   1. CP type: NCP (all), ECP (TDL-A 40ns, CDL-B 50ns) 2. antenna configuration for CDL model: Configuration 2   (Mg,Ng,M,N,P) = (1,1,4,8,2) BS with (0.5 dv, 0.5 dH)  (Mg,Ng,M,N,P) = (1,1,2,2,2) UE with (0.5 dv, 0.5 dH)   1. waveform in case of PUSCH: NA 2. PTRS configuration: L=1, K=4 3. DMRS configuration: Type 1, front loaded, no data multiplexing 4. any optional or other assumption/parameters used not as in the baseline   -PN model: Example 2 from 38.803 phase noise model (gNB, UE) scaled to 60 GHz  -CPE compensation  -No TRS, no CSI-RS  *\*Note: The values are missing since the required SNR for 10%/1% BLER is either very high or the BLER target is not reachable due to error floor*. | | | | | | |
|  |  | | | | | | |