# Annex B: Evaluations results

## B.1 Link level evaluation results

### B.1.1 Evaluation results for PDSCH/PUSCH

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

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Tdoc /  Source | MCS | Channel | 120KHz /400MHz | 240KHz /400MHz | 480KHz /400MHz | 960KHz /400MHz | 960KHz /2GHz |
| R1-2007792 / Source 1 | 7 | TDL-A, 5ns | 3.1 /5.2 | 3.3 /4.6 | 3.0 /4.6 | 3.6 /5.3 | 2.1 /2.7 |
| TDL-A, 10ns | 2.6 /4.3 | 2.6 /4.2 | 2.8 /4.5 | 3.1 /4.5 | 2.1 /2.7 |
| TDL-A, 20ns | 2.4 /3.6 | 2.5 /4.1 | 2.6 /4.2 | 3.1 /4.6 | 2.2 /2.7 |
| CDL-B, 20ns | 4.6 /9.5 | 4.4 /10.2 | 4.5 /10.1 | 4.7 /10.4 | 4.3 /10.2 |
| CDL-B, 50ns | 4.6 /9.6 | 4.6 /10.2 | 4.9 /10.9 | 5.2 /11.0 | 4.8 /11.0 |
| CDL-D, 20ns |  |  |  |  |  |
| CDL-D, 30ns |  |  |  |  |  |
| 16 | TDL-A, 5ns | 11.8 /13.9 | 11.4 /13.6 | 11.0 /13.0 | 11.8 /13.8 | 10.1 /11.2 |
| TDL-A, 10ns | 11.2 /12.9 | 11.0 /12.7 | 10.6 /12.2 | 11.0 /12.6 | 10.1 /10.8 |
| TDL-A, 20ns | 10.8 /12.3 | 10.6 /12.1 | 10.3 /11.5 | 10.8 /12.4 | 10.1 /10.7 |
| CDL-B, 20ns | 12.6 /18.4 | 13.2 /18.8 | 12.6 /18.1 | 12.6 /18.2 | 12.8 /18.8 |
| CDL-B, 50ns | 12.6 /18.4 | 13.3 /18.8 | 12.9 /18.5 | 13.2 /22.4 | 13.6 /22.7 |
| CDL-D, 20ns |  |  |  |  |  |
| CDL-D, 30ns |  |  |  |  |  |
| 22 | TDL-A, 5ns | n/a /n/a | 25.6 /n/a | 18.7 /23.3 | 18.0 /20.1 | 17.0 /20.3 |
| TDL-A, 10ns | n/a /n/a | 27.0 /n/a | 18.1 /22.5 | 17.0 /19.0 | 17.0 /20.1 |
| TDL-A, 20ns | n/a /n/a | 27.4 /n/a | 17.8 /22.1 | 17.0 /18.6 | 17.3 /21.2 |
| CDL-B, 20ns | n/a /n/a | 29.5 /n/a | 19.1 /25.8 | 17.5 /23.1 | 18.8 /27.4 |
| CDL-B, 50ns | n/a /n/a | n/a /n/a | 19.5 /n/a | 19.6 /n/a | 21.7 /n/a |
| CDL-D, 20ns |  |  |  |  |  |
| CDL-D, 50ns |  |  |  |  |  |
| - CP type: short CP  - Antenna configuration for CDL model: (Mg,Ng,M,N,P) = (1,1,4,8,2) with (0.5 dv, 0.5 dH) for BS and (Mg,Ng,M,N,P) = (1,1,2,2,2) with (0.5 dv, 0.5 dH) for UE  - PTRS configuration: K = 2, L = 1  - DMRS configuration: Type-1 DM-RS with 1 front-loaded DM-RS and 1 additional DM-RS symbol at (2,11) symbol index | | | | | | |

### B.1.2 Evaluation results for PSS/SSS

Table B.1.2: LLS template: SINR in dB achieving cell ID detection probability of 90% by one-shot detection from PSS/SSS

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Tdoc /  Source | Channel | 120KHz | 240KHz | 480KHz | 960KHz |
| R1-xxxxxxx / Source 1 | TDL-A, 5ns |  |  |  |  |
| TDL-A, 10ns |  |  |  |  |
| TDL-A, 20ns |  |  |  |  |
| CDL-B, 20ns |  |  |  |  |
| CDL-B, 50ns |  |  |  |  |
| CDL-D, 20ns |  |  |  |  |
| CDL-D, 30ns |  |  |  |  |
| Additional report/notes:   1. frequency offset 2. the number and granularity of the frequency locations 3. antenna configuration for CDL model 4. any optional or other assumption/parameters used not as in the baseline 5. false alarm rate 6. criteria for PSS detection success | | | | |

### B.1.3 Evaluation results for PRACH

Table B.1.3-1: LLS template: SINR in dB achieving PRACH preamble misdetection probability of 1% and corresponding false alarm probability

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Tdoc /  Source | Channel | 120KHz | 240KHz | 480KHz | 960KHz |
| R1-xxxxxxx / Source 1 | TDL-A, 5ns | X / Y (X for SINR in dB to reach 1% misdetection, Y for corresponding false alarm probability in % at that SINR) |  |  |  |
| TDL-A, 10ns |  |  |  |  |
| TDL-A, 20ns |  |  |  |  |
| CDL-B, 20ns |  |  |  |  |
| CDL-B, 50ns |  |  |  |  |
| CDL-D, 20ns |  |  |  |  |
| CDL-D, 30ns |  |  |  |  |
| Additional report/notes:  1. PRACH format  2. values of  3. antenna configuration for CDL model  4. any optional or other assumption/parameters used not as in the baseline | | | | |

## B.2 System level evaluation results

Table B.2-1: System level evaluation results for scenario

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Tdoc /  Source | Cases | | Case 1 | | | Case 2 | | |
| R1-xxxxxxx / Source 1 | Traffic load  Metrics | | Low load  10%~25% BO | Medium load  35%~50% BO | High load  above 55% BO | Low load  10%~25% BO | Medium load  35%~50% BO | High load  above 55% BO |
| DL UPT (Mbps) | 5%ile |  |  |  |  |  |  |
| 50%ile |  |  |  |  |  |  |
| 95%ile |  |  |  |  |  |  |
| mean |  |  |  |  |  |  |
| DL delay (s) | 5%ile |  |  |  |  |  |  |
| 50%ile |  |  |  |  |  |  |
| 95%ile |  |  |  |  |  |  |
| mean |  |  |  |  |  |  |
| UL UPT (Mbps) | 5%ile |  |  |  |  |  |  |
| 50%ile |  |  |  |  |  |  |
| 95%ile |  |  |  |  |  |  |
| mean |  |  |  |  |  |  |
| UL delay (s) | 5%ile |  |  |  |  |  |  |
| 50%ile |  |  |  |  |  |  |
| 95%ile |  |  |  |  |  |  |
| mean |  |  |  |  |  |  |
| Arrival rate (files/s) | |  |  |  |  |  |  |
| 𝜌DL | |  |  |  |  |  |  |
| 𝜌UL | |  |  |  |  |  |  |
| BO | |  |  |  |  |  |  |
| Additional report/notes:  1. LBT procedure and parameters  2. any assumptions/parameters used not as in the agreed baseline  3. Details of case: e.g., single or two operators; no-LBT, omni-directional LBT, directional LBT schemes etc.  4. Other metric(s) and definition if reported  5. Details of COT sharing if used in evaluation | | | | | | | |