# 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 format2. values of $N\_{cs}$3. antenna configuration for CDL model4. 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 loadMetrics  | Low load10%~25% BO  | Medium load35%~50% BO | High loadabove 55% BO | Low load10%~25% BO  | Medium load35%~50% BO | High loadabove 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 parameters2. any assumptions/parameters used not as in the agreed baseline3. 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 reported5. Details of COT sharing if used in evaluation |