# 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 BLER of 10% /1%（with PN & CPE compensation）

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Tdoc /  Source | MCS | Channel | 120KHz /400MHz | 240KHz /400MHz | 480KHz /400MHz | 960KHz /400MHz |
| R1-2007967/ ZTE, Sanechips | 7 | TDL-A, 5ns | 7.5/13.4 | 7.1/13.5 | 6.7/12.5 | 6.6/12 |
| TDL-A, 10ns | 5.2/11.4 | 5.0/10.9 | 5.6/10.0 | 5.5/9.6 |
| TDL-A, 20ns | 5.8/9.7 | 4.8/10.6 | 4.6/10.2 | 4.5/10.2 |
| CDL-B, 20ns | 8.2/10.6 | 8.0/10.3 | 7.7/9.5 | 7.7/9.4 |
| CDL-B, 50ns | 8.0/10.7 | 7.8/10.5 | 7.7/10.3 | 7.6/9.5 |
| 16 | TDL-A, 5ns | 17.1/28.8 | 14.6/23.5 | 14.8/22.3 | 14.7/21.7 |
| TDL-A, 10ns | 17.2/- | 14.8/23.5 | 15.5/23.1 | 15.5/22.6 |
| TDL-A, 20ns | 18.8/- | 16.1/26.1 | 16.4/24.9 | 16.4/24.6 |
| CDL-B, 20ns | 17.9/22.4 | 16.2/19.2 | 16.3/18.5 | 16.8/19.0 |
| CDL-B, 50ns | 17.6/21.4 | 16.3/18.4 | 16.6/18.8 | 16.8/18.9 |
| 22 | TDL-A, 5ns | -/- | -/- | 21.6/30.2 | 20.4/27.4 |
| TDL-A, 10ns | -/- | -/- | 22.5/32.2 | 21.0/28.5 |
| TDL-A, 20ns | -/- | 31.1/- | 24.2/- | 22.7/31.7 |
| CDL-B, 20ns | -/- | 25.8/- | 21.9/25.3 | 21.1/23.5 |
| CDL-B, 50ns | -/- | 25.0/30.7 | 22.1/24.8 | 21.9/23.9 |
| Additional report/notes:   1. CP type: Normal CP 2. antenna configuration for CDL model: Config.1 3. waveform in case of PUSCH: CP-OFDM 4. PTRS configuration: (K=2,L=1) 5. DMRS configuration: 2 DMRS (2,11) 6. any optional or other assumption/parameters used not as in the baseline:   Actual transmission RB number is 8/4/2/1 for SCS 120kHz/240kHz/480kHz/960kHz | | | | | |

Table B.1.1-2: LLS template: SINR in dB achieving PDSCH BLER of 10% /1%（without PN）

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Tdoc /  Source | MCS | Channel | 120KHz /400MHz | 240KHz /400MHz | 480KHz /400MHz | 960KHz /400MHz |
| R1-2007967/ ZTE, Sanechips | 7 | CDL-B, 20ns | 7.7/9.2 | 7.4/9.0 | 7.4/9.0 | 7.4/9.0 |
| 16 | TDL-A, 5ns | 12.0/16.6 | 11.5/16.4 | 11.6/16.1 | 11.6/16.3 |
| CDL-B, 20ns | 14.5/15.7 | 14.4/15.7 | 14.3/15.6 | 14.3/15.6 |
| 22 | TDL-A, 5ns | 16.4/21.0 | 16.2/20.8 | 16.1/21.0 | 16.3/21.1 |
| CDL-B, 20ns | 18.4/20.2 | 18.2/19.5 | 18.2/19.5 | 18.2/19.5 |
| Additional report/notes:   1. CP type: Normal CP 2. antenna configuration for CDL model: Config.1 3. waveform in case of PUSCH: CP-OFDM 4. PTRS configuration: (K=2,L=1) 5. DMRS configuration: 2 DMRS (2,11) 6. any optional or other assumption/parameters used not as in the baseline:   Actual transmission RB number is 8/4/2/1 for SCS 120kHz/240kHz/480kHz/960kHz  Note: This table is for calibration only. | | | | | |

### B.1.2 Evaluation results for PRACH

Table B.1.2-1: LLS template: SINR in dB achieving PRACH preamble misdetection probability of 1% and corresponding false alarm probability

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Tdoc /  Source | Channel | 120KHz | 240KHz | 480KHz | 960KHz |
| R1-2007967/ ZTE, Sanechips | TDL-A, 5ns | -3.9/≤0.1% | -4.9/≤0.1% | -5.4/≤0.1% | -5.4/≤0.1% |
| TDL-A, 10ns | -5.0/≤0.1% | -5.2/≤0.1% | -5.2/≤0.1% | -5.0/≤0.1% |
| TDL-A, 20ns | -5.3/≤0.1% | -5.3/≤0.1% | -5.0/≤0.1% | -5.1/≤0.1% |
| Additional report/notes:  1. PRACH format:A1  2. L\_RA=139 | | | | |

## B.2 System level evaluation results

### B.2.1 System level evaluation results for coexistence interference analysis

Table B.2.1-1 System level evaluation results for coexistence interference analysis

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Tdoc /  Source | Cases | | Case 1：Omni vs Omni | | Case2:Omni vs Directional | | |
| **Operator1** | **Operator2** | | **Operator1** | **Operator2** | |
| R1-2007967/ ZTE, Sanechips | Traffic load  Metrics | | Low load  10%~25% BO | | Low load  10%~25% BO | | |
| DL UPT (Mbps) | 5%ile | 2727.4854 | 2373.8499 | | 2734.7085 | 3030.9807 | |
| 10%ile | 4643.2490 | 3236.5020 | | 4522.3325 | 4083.0208 | |
| 20%ile | 6492.4668 | 5320.5269 | | 6661.6064 | 7527.7227 | |
| 50%ile | 9411.5508 | 8068.3247 | | 8884.0186 | 10866.1943 | |
| 95%ile | 15086.5273 | 15635.1260 | | 14731.7412 | 19536.2930 | |
| mean | 9506.1719 | 8636.5840 | | 9433.5547 | 10886.6279 | |
| DL delay (s) | 5%ile | 0.011 | 0.010 | | 0.011 | 0.009 | |
| 50%ile | 0.025 | 0.030 | | 0.026 | 0.021 | |
| 95%ile | 0.143 | 0.172 | | 0.144 | 0.097 | |
| mean | 0.046 | 0.053 | | 0.046 | 0.033 | |
| Arrival rate (files/s) | | 1.25 | 1.25 | | 1.25 | 1.25 | |
| 𝜌DL | | 100% | 100% | | 100% | 100% | |
| BO | | 20.636 | 23.893 | | 21.004 | 17.066 | |
| Additional report/notes:   1. LBT procedure and parameters   Refer to Section A.2 in R1-2007967. Subcarrier spacing is 960KHz;  LBT procedure align with v2.1.20 of EN 302 567;  CWmax=10;   1. any assumptions/parameters used not as in the agreed baseline   3. Details of case: two operators; omni-directional LBT, directional LBT schemes; Indoor Scenario A  Case1：. two operators,Omni(Operator1) vs Omni(Operator2);  Case2：. two operators,Omni(Operator1) vs Directional(Operator2)  4. Other metric(s) and definition if reported  5. Details of COT sharing if used in evaluation:DL Only,No COT sharing | | | | | | |

### B.2.2 System level evaluation results for different CCA threshold

Table B.2.2-1 performance of different LBT mode of various traffic load with CCA=-62dBm

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Tdoc /  Source | LBT mode | | omni | | | directional | | | |
| R1-2007967/ ZTE, Sanechips | 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 | 3546.6826 | 3033.7112 | 975.4548 | | 3547.0242 | 3110.3704 | 1207.0940 | | |
| 50%ile | 11305.6396 | 10783.6074 | 7088.4458 | | 11371.8018 | 10765.0527 | 8245.8027 | | |
| 95%ile | 18089.7539 | 18282.6270 | 15489.9375 | | 18654.7754 | 18886.9160 | 16380.3154 | | |
| mean | 11196.8545 | 10566.7207 | 8016.2710 | | 11427.4307 | 10969.6787 | 8994.2236 | | |
| DL delay (s) | 5%ile | 0.010 | 0.010 | 0.011 | | 0.010 | 0.010 | 0.011 | | |
| 50%ile | 0.020 | 0.021 | 0.032 | | 0.020 | 0.020 | 0.027 | | |
| 95%ile | 0.072 | 0.109 | 0.589 | | 0.070 | 0.099 | 0.429 | | |
| mean | 0.028 | 0.036 | 0.122 | | 0.027 | 0.033 | 0.109 | | |
| Arrival rate (files/s) | | 1.25 | 2 | 3.5 | | 1.25 | 2 | 3.5 | | |
| 𝜌DL | | 100% | 100% | 100% | | 100% | 100% | 100% | | |
| BO | | 14.746% | 25.491% | 56.031% | | 14.312% | 24.300% | 50.851 % | | |
| Additional report/notes:  1.LBT procedure and parameters  Refer to Section A.2 in R1-2007967. Subcarrier spacing is 960KHz;  LBT procedure align with v2.1.20 of EN 302 567;  CWmax=10;  2.any assumptions/parameters used not as in the agreed baseline  3. Details of case: two operators; omni-directional LBT, directional LBT schemes; Indoor Scenario A  4. Other metric(s) and definition if reported  5. Details of COT sharing if used in evaluation:DL Only,No COT sharing | | | | | | | | | |

Table B.2.2-2 performance of different LBT mode of various traffic load with CCA=-72dBm

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Tdoc /  Source | LBT mode | | omni | | | directional | | | |
| R1-2007967/ ZTE, Sanechips | 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 | 2901.5559 | 1584.9509 | 225.0555 | | 3449.4133 | 2440.6877 | 586.0697 | | |
| 50%ile | 9875.0674 | 8321.1289 | 4440.5454 | | 10900.7783 | 9365.6563 | 5319.0728 | | |
| 95%ile | 16569.4043 | 14917.2061 | 12050.0732 | | 17744.9609 | 17649.1035 | 13868.5537 | | |
| mean | 9927.3428 | 8352.8154 | 4978.7114 | | 10831.2520 | 9815.9434 | 6458.9243 | | |
| DL delay (s) | 5%ile | 0.010 | 0.011 | 0.013 | | 0.010 | 0.010 | 0.012 | | |
| 50%ile | 0.023 | 0.030 | 0.070 | | 0.021 | 0.024 | 0.044 | | |
| 95%ile | 0.104 | 0.235 | 2.098 | | 0.080 | 0.131 | 1.130 | | |
| mean | 0.036 | 0.069 | 0.370 | | 0.030 | 0.042 | 0.228 | | |
| Arrival rate (files/s) | | 1.25 | 2 | 3.5 | | 1.25 | 2 | 3.5 | | |
| 𝜌DL | | 100% | 100% | 100% | | 100% | 100% | 100% | | |
| BO | | 17.989 % | 34.882% | 72.104% | | 15.492% | 28.117% | 64.679% | | |
| Additional report/notes:  1.LBT procedure and parameters  Refer to Section A.2 in R1-2007967. Subcarrier spacing is 960KHz;  LBT procedure align with v2.1.20 of EN 302 567;  CWmax=10;  2.any assumptions/parameters used not as in the agreed baseline  3. Details of case: two operators; omni-directional LBT, directional LBT schemes; Indoor Scenario A  4. Other metric(s) and definition if reported  5. Details of COT sharing if used in evaluation:DL Only,No COT sharing | | | | | | | | | |

Table B.2.2-3 performance of different LBT mode of various traffic load with CCA=-82dBm

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Tdoc /  Source | LBT mode | | omni | | | directional | | | |
| R1-2007967/ ZTE, Sanechips | 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 | 1468.8210 | 229.8788 | 171.6681 | | 2918.3030 | 1458.0205 | 136.3976 | | |
| 50%ile | 6655.7744 | 4163.1836 | 2519.1045 | | 9337.8369 | 7474.8154 | 3580.1260 | | |
| 95%ile | 13927.4766 | 10920.2197 | 10165.1152 | | 17007.1816 | 13970.7529 | 10623.8594 | | |
| mean | 7034.9761 | 4810.1909 | 3621.6375 | | 9284.5352 | 7416.9111 | 4238.0874 | | |
| DL delay (s) | 5%ile | 0.012 | 0.014 | 0.015 | | 0.011 | 0.011 | 0.014 | | |
| 50%ile | 0.038 | 0.072 | 0.110 | | 0.026 | 0.037 | 0.091 | | |
| 95%ile | 0.272 | 1.642 | 2.842 | | 0.117 | 0.274 | 2.621 | | |
| mean | 0.076 | 0.304 | 0.553 | | 0.039 | 0.074 | 0.457 | | |
| Arrival rate (files/s) | | 1.25 | 2 | 3.5 | | 1.25 | 2 | 3.5 | | |
| 𝜌DL | | 100% | 100% | 100% | | 100% | 100% | 100% | | |
| BO | | 29.025 % | 58.092% | 81.785% | | 19.242% | 39.586% | 80.439% | | |
| Additional report/notes:  1.LBT procedure and parameters  Refer to Section A.2 in R1-2007967. Subcarrier spacing is 960KHz;  LBT procedure align with v2.1.20 of EN 302 567;  CWmax=10;  2.any assumptions/parameters used not as in the agreed baseline  3. Details of case: two operators; omni-directional LBT, directional LBT schemes; Indoor Scenario A  4. Other metric(s) and definition if reported  5. Details of COT sharing if used in evaluation:DL Only,No COT sharing | | | | | | | | | |

Table B.2.2-4 performance of different LBT mode of various traffic load with CCA=-62dBm

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Tdoc /  Source | Cases | | | Omni | | Direc | |
| R1-2007967/ ZTE, Sanechips | load  Metrics | | | High load  above 55% BO | | High load  above 55% BO | |
| DL UPT (Mbps) | | 5%ile | 787.1970 | | 963.5551 | |
| 50%ile | 3211.0288 | | 3474.2285 | |
| 95%ile | 5875.3906 | | 5062.0288 | |
| mean | 3295.7209 | | 3390.7334 | |
| DL delay (s) | | 5%ile | 0.011 | | 0.011 | |
| 50%ile | 0.023 | | 0.020 | |
| 95%ile | 0.214 | | 0.150 | |
| mean | 0.074 | | 0.046 | |
| UL UPT (Mbps) | 5%ile | | 36.0758 |  | 38.0263 |  |
| 50%ile | | 505.9953 |  | 660.0948 |  |
| 95%ile | | 3232.8450 |  | 3326.7085 |  |
| mean | | 898.5682 |  | 1108.8021 |  |
| UL delay (s) | 5%ile | | 0.014 |  | 0.014 |  |
| 50%ile | | 0.075 |  | 0.065 |  |
| 95%ile | | 1.479 |  | 1.444 |  |
| mean | | 0.280 |  | 0.249 |  |
| Arrival rate(files/s) | | | 9 | | 9 | |
| 𝜌DL | | | 100% | | 100% | |
| 𝜌UL | | | 94.51% | | 94.38% | |
| BO | | | 70.97% | | 67.34% | |
| Additional report/notes:  1.LBT procedure and parameters  Refer to Section A.2 in R1-2007967. Subcarrier spacing is 960KHz;  LBT procedure align with v2.1.20 of EN 302 567;  CWmax=10;  2.any assumptions/parameters used not as in the agreed baseline  File size = 8M Bytes  3. Details of case: two operators; omni-directional LBT, directional LBT schemes; Indoor Scenario A  4. Other metric(s) and definition if reported  5. Details of COT sharing if used in evaluation  No COT sharing | | | | | | |

Table B.2.2-5 performance of different LBT mode of various traffic load with CCA=-72dBm

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Tdoc /  Source | Cases | | | Omni | | Direc | |
| R1-2007967/ ZTE, Sanechips | load  Metrics | | | High load  above 55% BO | | High load  above 55% BO | |
| DL UPT (Mbps) | | 5%ile | 520.9938 | | 668.8180 | |
| 50%ile | 1930.8051 | | 2739.0764 | |
| 95%ile | 3981.0945 | | 4725.6880 | |
| mean | 2164.7937 | | 2832.8867 | |
| DL delay (s) | | 5%ile | 0.011 | | 0.011 | |
| 50%ile | 0.046 | | 0.028 | |
| 95%ile | 0.568 | | 0.287 | |
| mean | 0.143 | | 0.070 | |
| UL UPT (Mbps) | 5%ile | | 39.9679 |  | 36.3442 |  |
| 50%ile | | 417.697 |  | 572.3173 |  |
| 95%ile | | 2828.1196 |  | 3286.6421 |  |
| mean | | 894.1387 |  | 1040.5109 |  |
| UL delay (s) | 5%ile | | 0.015 |  | 0.014 |  |
| 50%ile | | 0.090 |  | 0.074 |  |
| 95%ile | | 1.804 |  | 1.360 |  |
| mean | | 0.364 |  | 0.260 |  |
| Arrival rate(files/s) | | | 9 | | 9 | |
| 𝜌DL | | | 99.97% | | 100% | |
| 𝜌UL | | | 94.59% | | 94.29% | |
| BO | | | 80.83% | | 72.97% | |
| Additional report/notes:  1.LBT procedure and parameters  Refer to Section A.2 in R1-2007967. Subcarrier spacing is 960KHz;  LBT procedure align with v2.1.20 of EN 302 567;  CWmax=10;  2.any assumptions/parameters used not as in the agreed baseline  File size = 8M Bytes  3. Details of case: two operators; omni-directional LBT, directional LBT schemes; Indoor Scenario A  4. Other metric(s) and definition if reported  5. Details of COT sharing if used in evaluation  No COT sharing | | | | | | |

Table B.2.2-6 performance of different LBT mode of various traffic load with CCA=-82dBm

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Tdoc /  Source | Cases | | | Omni | Direc |
| R1-2007967/ ZTE, Sanechips | load  Metrics | | | High load  above 55% BO | High load  above 55% BO |
| DL UPT (Mbps) | | 5%ile | 80.01917 | 470.3428 |
| 50%ile | 997.6622 | 1744.7772 |
| 95%ile | 2979.1462 | 3992.5581 |
| mean | 1324.2566 | 1954.3718 |
| DL delay (s) | | 5%ile | 0.013 | 0.012 |
| 50%ile | 0.219 | 0.061 |
| 95%ile | 1.570 | 0.591 |
| mean | 0.399 | 0.165 |
| UL UPT (Mbps) | 5%ile | | 40.5601 | 40.3038 |
| 50%ile | | 328.8358 | 536.3867 |
| 95%ile | | 2640.0266 | 2764.0144 |
| mean | | 876.7891 | 929.1561 |
| UL delay (s) | 5%ile | | 0.015 | 0.016 |
| 50%ile | | 0.120 | 0.115 |
| 95%ile | | 1.930 | 1.622 |
| mean | | 0.379 | 0.341 |
| Arrival rate(files/s) | | | 9 | 9 |
| 𝜌DL | | | 100% | 100% |
| 𝜌UL | | | 96.23% | 97.33% |
| BO | | | 88.39% | 85.76% |
| Additional report/notes:  1.LBT procedure and parameters  Refer to Section A.2 in R1-2007967. Subcarrier spacing is 960KHz;  LBT procedure align with v2.1.20 of EN 302 567;  CWmax=10;  2.any assumptions/parameters used not as in the agreed baseline  File size = 8M Bytes  3. Details of case: two operators; omni-directional LBT, directional LBT schemes; Indoor Scenario A  4. Other metric(s) and definition if reported  5. Details of COT sharing if used in evaluation  No COT sharing | | | | |

### B.2.3 System level evaluation results for single operator

Table B2.3-1 single operator performance of different LBT mode of various traffic load with CCA=-82dBm

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Tdoc /  Source | LBT mode | | omni | | | directional | | | | |
| R1-2007967/ ZTE, Sanechips | 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 | 2469.8159 | 1343.2117 | 83.0307 | 2148.6824 | 1935.8322 | 225.7256 | |
| 50%ile | 11222.2646 | 8818.3066 | 4752.3027 | 11596.8965 | 9712.3398 | 6331.9395 | |
| 95%ile | 18383.7070 | 16582.6855 | 14950.5947 | 20836.0254 | 20835.5352 | 17445.4707 | |
| mean | 10292.8906 | 8585.7139 | 5730.4863 | 10906.8916 | 10209.7617 | 7295.3428 | |
| DL delay (s) | 5%ile | 0.009 | 0.010 | 0.011 | 0.009 | 0.009 | 0.010 | |
| 50%ile | 0.024 | 0.037 | 0.063 | 0.022 | 0.025 | 0.049 | |
| 95%ile | 0.121 | 0.321 | 3.794 | 0.122 | 0.168 | 0.236 | |
| mean | 0.040 | 0.085 | 0.708 | 0.038 | 0.049 | 2.575 | |
| Arrival rate (files/s) | | 1.25 | 2 | 3.5 | 1.25 | 2 | 3.5 |
| 𝜌DL | | 100% | 99.96% | 100% | 99.86% | 100% | 99.78% |
| BO | | 20.593% | 43.846% | 80.095% | 19.864% | 32.918% | 76.133% |
| Additional report/notes:  1.LBT procedure and parameters  Refer to Section A.2 in R1-2007967. Subcarrier spacing is 960KHz;  LBT procedure align with v2.1.20 of EN 302 567;  CWmax=10;  2.any assumptions/parameters used not as in the agreed baseline  3. Details of case: single operators; omni-directional LBT, directional LBT schemes; Indoor Scenario C  4. Other metric(s) and definition if reported  5. Details of COT sharing if used in evaluation:DL Only, No COT sharing | | | | | | | |

### B.2.4 System level evaluation results for different bandwidth

Table B.2.4-1 Different bandwidth performance of different LBT mode of various traffic load with CCA=-82dBm

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Tdoc /  Source | Channel bandwidth | | 400M | | | | | | | 2000M | | | | | | | |
| LBT Scheme | | omni | | | | Directional | | | omni | | | | Directional | | | |
| R1-2007967/ ZTE, Sanechips | 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 | 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 | 690.0958 | 223.3712 | 108.7060 | 1015.2816 | | 523.0024 | 143.9919 | 1468.8210 | 229.8788 | 171.6681 | 2918.3030 | | 1458.0205 | 136.3976 |
| 50%ile | 1800.0000 | 942.9960 | 566.6034 | 2460.7251 | | 1720.1998 | 680.7795 | 6655.7744 | 4163.1836 | 2519.1045 | 9337.8369 | | 7474.8154 | 3580.1260 |
| 95%ile | 3534.6392 | 2624.1802 | 2219.4753 | 4441.9355 | | 3317.0732 | 2224.2991 | 13927.4766 | 10920.2197 | 10165.1152 | 17007.1816 | | 13970.7529 | 10623.8594 |
| mean | 1976.1506 | 1188.0437 | 796.7006 | 2676.9175 | | 1838.0183 | 898.8221 | 7034.9761 | 4810.1909 | 3621.6375 | 9284.5352 | | 7416.9111 | 4238.0874 |
| DL delay (s) | 5%ile | 0.047 | 0.060 | 0.068 | 0.042 | | 0.044 | 0.069 | 0.012 | 0.014 | 0.015 | 0.011 | | 0.011 | 0.014 |
| 50%ile | 0.112 | 0.247 | 0.484 | 0.088 | | 0.141 | 0.378 | 0.038 | 0.072 | 0.110 | 0.026 | | 0.037 | 0.091 |
| 95%ile | 0.433 | 1.349 | 2.124 | 0.275 | | 0.690 | 3.249 | 0.272 | 1.642 | 2.842 | 0.117 | | 0.274 | 2.621 |
| mean | 0.173 | 0.408 | 0.725 | 0.114 | | 0.229 | 0.872 | 0.076 | 0.304 | 0.553 | 0.039 | | 0.074 | 0.457 |
| Arrival rate (files/s) | | 0.3125 | 0.625 | 1.25 | 0.3125 | | 0.625 | 1.25 | 1.25 | 2 | 3.5 | 1.25 | | 2 | 3.5 |
| 𝜌DL | | 100% | 100% | 100% | 100% | | 100% | 100% | 100% | 100% | 100% | 100% | | 100% | 100% |
| BO | | 20.608% | 52.843% | 83.511% | 15.047% | | 41.659% | 82.938% | 29.025 % | 58.092% | 81.785% | 19.242% | | 39.586% | 80.439% |
| Additional report/notes:  1.LBT procedure and parameters  Refer to Section A.2 in R1-2007967.  Subcarrier spacing is 960KHz for 2GHz bandwidth  Subcarrier spacing is 120KHz for 400MHz bandwidth  LBT procedure align with v2.1.20 of EN 302 567;  CWmax=10;  2.any assumptions/parameters used not as in the agreed baseline  3. Details of case: two operators; omni-directional LBT, directional LBT schemes; Indoor Scenario A  4. Other metric(s) and definition if reported  5. Details of COT sharing if used in evaluation:DL Only, No COT sharing | | | | | | | | | | | | | | | | | |

### B.2.5 RSRP distribution

Note: companies are encouraged to also submit RSRP distribution (e.g. serving BS to UE links, BS-to-BS links, UE-to-UE links) for the evaluated scenario in SLS.



Figure 1 RSRP distribution for Indoor Scenario A