|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Table 1. Comparison between the two scenarios simulated on the basis of the 5 factors | | | | |
| **Comparison Factors** | **RSU** | | **Nodes** | |
| **With channel switching** | **Without channel switching** | **With channel switching** | **Without channel switching** |
| **Average number of Received broadcasts** | 1562 | 1555 | 1785.2 | 1752.3 |
| **Average total busy time** | .183s | .183s | .1967s | .1945s |
| **Average slots back off** | 312 | 316 | 151.59 | 151.76 |
| **Average number of packets sent** | 200 | 200 | 102.55 | 100.64 |
| **Average number of packets lost** | 7 | 9 | 1.76 | 2.35 |

Table 2. Additional data obtained through the simulations

|  |  |  |
| --- | --- | --- |
| **Data Factors** | **Nodes** | |
| **CO2 emissions** | Average : 233.45g/km | Max : 451.29g/km |
| **Total distance travelled** | Average : 1.02 kms | Max : 2.2 kms |