The following Scenario simulate the case in wich a group of UEs (ID = 1000, 1001, 1002, 1003...) try to periodically send packet through a CBR Application, directly to a Satellite IAB Node (ID = 2), in charge to receive packets and relays them via a MobileTermination (ID = 3) to a terrestrial GNodeB (ID = 4).

Generating satellite with the following parameters:

Speed: 7059 meter/second

Number of satellite per Orbit: 1

Elapsed Time between 2 sat: 5676.98 seconds

...Done!

User at [100,100]

NODE 1000 TX CBR ID 1 B 1000 SIZE 250 SRC 1000 DST 2 T 0.1

RANDOM\_ACCESS RECEIVE\_MSG4 UE 1000 T 0.105

NODE 1000 TX CBR ID 2 B 1000 SIZE 250 SRC 1000 DST 2 T 5.1

NODE 1000 TX CBR ID 3 B 1000 SIZE 250 SRC 1000 DST 2 T 10.1

NODE 1000 TX CBR ID 4 B 1000 SIZE 250 SRC 1000 DST 2 T 15.1

NODE 1000 TX CBR ID 5 B 1000 SIZE 250 SRC 1000 DST 2 T 20.1

NODE 1000 TX CBR ID 6 B 1000 SIZE 250 SRC 1000 DST 2 T 25.1

NODE 1000 TX CBR ID 7 B 1000 SIZE 250 SRC 1000 DST 2 T 30.1

NODE 1000 TX CBR ID 8 B 1000 SIZE 250 SRC 1000 DST 2 T 35.1

NODE 1000 TX CBR ID 9 B 1000 SIZE 250 SRC 1000 DST 2 T 40.1

NODE 1000 TX CBR ID 10 B 1000 SIZE 250 SRC 1000 DST 2 T 45.1

NODE 1000 TX CBR ID 11 B 1000 SIZE 250 SRC 1000 DST 2 T 50.1

NODE 1000 TX CBR ID 12 B 1000 SIZE 250 SRC 1000 DST 2 T 55.1

NODE 1000 TX CBR ID 13 B 1000 SIZE 250 SRC 1000 DST 2 T 60.1

NODE 1000 TX CBR ID 14 B 1000 SIZE 250 SRC 1000 DST 2 T 65.1

NODE 1000 TX CBR ID 15 B 1000 SIZE 250 SRC 1000 DST 2 T 70.1

NODE 1000 TX CBR ID 16 B 1000 SIZE 250 SRC 1000 DST 2 T 75.1

NODE 1000 TX CBR ID 17 B 1000 SIZE 250 SRC 1000 DST 2 T 80.1

NODE 1000 TX CBR ID 18 B 1000 SIZE 250 SRC 1000 DST 2 T 85.1

NODE 1000 TX CBR ID 19 B 1000 SIZE 250 SRC 1000 DST 2 T 90.1

NODE 1000 TX CBR ID 20 B 1000 SIZE 250 SRC 1000 DST 2 T 95.1

NODE 1000 TX CBR ID 21 B 1000 SIZE 250 SRC 1000 DST 2 T 100.1

NODE 1000 TX CBR ID 22 B 1000 SIZE 250 SRC 1000 DST 2 T 105.1

NODE 1000 TX CBR ID 23 B 1000 SIZE 250 SRC 1000 DST 2 T 110.1

NODE 1000 TX CBR ID 24 B 1000 SIZE 250 SRC 1000 DST 2 T 115.1

NODE 1000 TX CBR ID 25 B 1000 SIZE 250 SRC 1000 DST 2 T 120.1

NODE 1000 TX CBR ID 26 B 1000 SIZE 250 SRC 1000 DST 2 T 125.1

NODE 1000 TX CBR ID 27 B 1000 SIZE 250 SRC 1000 DST 2 T 130.1

NODE 1000 TX CBR ID 28 B 1000 SIZE 250 SRC 1000 DST 2 T 135.1

NODE 1000 TX CBR ID 29 B 1000 SIZE 250 SRC 1000 DST 2 T 140.1

NODE 1000 TX CBR ID 30 B 1000 SIZE 250 SRC 1000 DST 2 T 145.1

NODE 2 RX-RELAY TYPE: CBR ID 1 BLOCK 1000 SIZE 250 SRC 1000 DST 2 TIME 145.117 DELAY 145.017

NODE 3 TX-RELAY CBR ID 1 B 1 SIZE 251 SRC 1000 DST 2 T 145.117

RANDOM\_ACCESS RECEIVE\_MSG4 UE 3 T 145.125

NODE 4 RX CBR ID 1 B 1 SIZE 250 SRC 1000 DST 2 T 145.142 D 145.042

NODE 2 RX-RELAY TYPE: CBR ID 2 BLOCK 1000 SIZE 250 SRC 1000 DST 2 TIME 145.147 DELAY 140.047

NODE 3 TX-RELAY CBR ID 2 B 1 SIZE 251 SRC 1000 DST 2 T 145.147

NODE 4 RX CBR ID 2 B 1 SIZE 251 SRC 1000 DST 2 T 145.152 D 140.052

NODE 2 RX-RELAY TYPE: CBR ID 3 BLOCK 1000 SIZE 250 SRC 1000 DST 2 TIME 145.167 DELAY 135.067

NODE 3 TX-RELAY CBR ID 3 B 1 SIZE 251 SRC 1000 DST 2 T 145.167

NODE 4 RX CBR ID 3 B 1 SIZE 251 SRC 1000 DST 2 T 145.172 D 135.072

NODE 2 RX-RELAY TYPE: CBR ID 4 BLOCK 1000 SIZE 250 SRC 1000 DST 2 TIME 145.195 DELAY 130.095

NODE 3 TX-RELAY CBR ID 4 B 1 SIZE 251 SRC 1000 DST 2 T 145.195

NODE 4 RX CBR ID 4 B 1 SIZE 251 SRC 1000 DST 2 T 145.202 D 130.102

NODE 2 RX-RELAY TYPE: CBR ID 5 BLOCK 1000 SIZE 250 SRC 1000 DST 2 TIME 145.215 DELAY 125.115

NODE 3 TX-RELAY CBR ID 5 B 1 SIZE 251 SRC 1000 DST 2 T 145.215

NODE 4 RX CBR ID 5 B 1 SIZE 251 SRC 1000 DST 2 T 145.222 D 125.122

NODE 2 RX-RELAY TYPE: CBR ID 6 BLOCK 1000 SIZE 250 SRC 1000 DST 2 TIME 145.235 DELAY 120.135

NODE 3 TX-RELAY CBR ID 6 B 1 SIZE 251 SRC 1000 DST 2 T 145.235

NODE 4 RX CBR ID 6 B 1 SIZE 251 SRC 1000 DST 2 T 145.242 D 120.142

NODE 2 RX-RELAY TYPE: CBR ID 7 BLOCK 1000 SIZE 250 SRC 1000 DST 2 TIME 145.257 DELAY 115.157

NODE 3 TX-RELAY CBR ID 7 B 1 SIZE 251 SRC 1000 DST 2 T 145.257

NODE 4 RX CBR ID 7 B 1 SIZE 251 SRC 1000 DST 2 T 145.262 D 115.162

NODE 2 RX-RELAY TYPE: CBR ID 8 BLOCK 1000 SIZE 250 SRC 1000 DST 2 TIME 145.275 DELAY 110.175

NODE 3 TX-RELAY CBR ID 8 B 1 SIZE 251 SRC 1000 DST 2 T 145.275

NODE 4 RX CBR ID 8 B 1 SIZE 251 SRC 1000 DST 2 T 145.282 D 110.182

NODE 2 RX-RELAY TYPE: CBR ID 9 BLOCK 1000 SIZE 250 SRC 1000 DST 2 TIME 145.297 DELAY 105.197

NODE 3 TX-RELAY CBR ID 9 B 1 SIZE 251 SRC 1000 DST 2 T 145.297

NODE 4 RX CBR ID 9 B 1 SIZE 251 SRC 1000 DST 2 T 145.302 D 105.202

NODE 2 RX-RELAY TYPE: CBR ID 10 BLOCK 1000 SIZE 250 SRC 1000 DST 2 TIME 145.317 DELAY 100.217

NODE 3 TX-RELAY CBR ID 10 B 1 SIZE 251 SRC 1000 DST 2 T 145.317

NODE 4 RX CBR ID 10 B 1 SIZE 251 SRC 1000 DST 2 T 145.322 D 100.222

NODE 2 RX-RELAY TYPE: CBR ID 11 BLOCK 1000 SIZE 250 SRC 1000 DST 2 TIME 145.345 DELAY 95.245

NODE 3 TX-RELAY CBR ID 11 B 1 SIZE 251 SRC 1000 DST 2 T 145.345

NODE 4 RX CBR ID 11 B 1 SIZE 251 SRC 1000 DST 2 T 145.352 D 95.252

NODE 2 RX-RELAY TYPE: CBR ID 12 BLOCK 1000 SIZE 250 SRC 1000 DST 2 TIME 145.365 DELAY 90.265

NODE 3 TX-RELAY CBR ID 12 B 1 SIZE 251 SRC 1000 DST 2 T 145.365

NODE 4 RX CBR ID 12 B 1 SIZE 251 SRC 1000 DST 2 T 145.372 D 90.272

NODE 2 RX-RELAY TYPE: CBR ID 13 BLOCK 1000 SIZE 250 SRC 1000 DST 2 TIME 145.377 DELAY 85.277

NODE 3 TX-RELAY CBR ID 13 B 1 SIZE 251 SRC 1000 DST 2 T 145.377

NODE 4 RX CBR ID 13 B 1 SIZE 251 SRC 1000 DST 2 T 145.382 D 85.282

NODE 2 RX-RELAY TYPE: CBR ID 14 BLOCK 1000 SIZE 250 SRC 1000 DST 2 TIME 145.405 DELAY 80.305

NODE 3 TX-RELAY CBR ID 14 B 1 SIZE 251 SRC 1000 DST 2 T 145.405

NODE 4 RX CBR ID 14 B 1 SIZE 251 SRC 1000 DST 2 T 145.412 D 80.312

NODE 2 RX-RELAY TYPE: CBR ID 15 BLOCK 1000 SIZE 250 SRC 1000 DST 2 TIME 145.425 DELAY 75.325

NODE 3 TX-RELAY CBR ID 15 B 1 SIZE 251 SRC 1000 DST 2 T 145.425

NODE 4 RX CBR ID 15 B 1 SIZE 251 SRC 1000 DST 2 T 145.432 D 75.332

NODE 2 RX-RELAY TYPE: CBR ID 16 BLOCK 1000 SIZE 250 SRC 1000 DST 2 TIME 145.447 DELAY 70.347

NODE 3 TX-RELAY CBR ID 16 B 1 SIZE 251 SRC 1000 DST 2 T 145.447

NODE 4 RX CBR ID 16 B 1 SIZE 251 SRC 1000 DST 2 T 145.452 D 70.352

NODE 2 RX-RELAY TYPE: CBR ID 17 BLOCK 1000 SIZE 250 SRC 1000 DST 2 TIME 145.467 DELAY 65.367

NODE 3 TX-RELAY CBR ID 17 B 1 SIZE 251 SRC 1000 DST 2 T 145.467

NODE 4 RX CBR ID 17 B 1 SIZE 251 SRC 1000 DST 2 T 145.472 D 65.372

NODE 1000 TX CBR ID 31 B 1000 SIZE 250 SRC 1000 DST 2 T 150.1

NODE 2 RX-RELAY TYPE: CBR ID 18 BLOCK 1000 SIZE 250 SRC 1000 DST 2 TIME 150.107 DELAY 65.007

NODE 3 TX-RELAY CBR ID 18 B 1 SIZE 251 SRC 1000 DST 2 T 150.107

NODE 4 RX CBR ID 18 B 1 SIZE 251 SRC 1000 DST 2 T 150.112 D 65.012

NODE 2 RX-RELAY TYPE: CBR ID 19 BLOCK 1000 SIZE 250 SRC 1000 DST 2 TIME 150.137 DELAY 60.037

NODE 3 TX-RELAY CBR ID 19 B 1 SIZE 251 SRC 1000 DST 2 T 150.137

NODE 4 RX CBR ID 19 B 1 SIZE 251 SRC 1000 DST 2 T 150.142 D 60.042

NODE 2 RX-RELAY TYPE: CBR ID 20 BLOCK 1000 SIZE 250 SRC 1000 DST 2 TIME 150.165 DELAY 55.065

NODE 3 TX-RELAY CBR ID 20 B 1 SIZE 251 SRC 1000 DST 2 T 150.165

NODE 4 RX CBR ID 20 B 1 SIZE 251 SRC 1000 DST 2 T 150.172 D 55.072

NODE 2 RX-RELAY TYPE: CBR ID 21 BLOCK 1000 SIZE 250 SRC 1000 DST 2 TIME 150.195 DELAY 50.095

NODE 3 TX-RELAY CBR ID 21 B 1 SIZE 251 SRC 1000 DST 2 T 150.195

NODE 4 RX CBR ID 21 B 1 SIZE 251 SRC 1000 DST 2 T 150.202 D 50.102

NODE 2 RX-RELAY TYPE: CBR ID 22 BLOCK 1000 SIZE 250 SRC 1000 DST 2 TIME 150.217 DELAY 45.117

NODE 3 TX-RELAY CBR ID 22 B 1 SIZE 251 SRC 1000 DST 2 T 150.217

NODE 4 RX CBR ID 22 B 1 SIZE 251 SRC 1000 DST 2 T 150.222 D 45.122

NODE 2 RX-RELAY TYPE: CBR ID 23 BLOCK 1000 SIZE 250 SRC 1000 DST 2 TIME 150.245 DELAY 40.145

NODE 3 TX-RELAY CBR ID 23 B 1 SIZE 251 SRC 1000 DST 2 T 150.245

NODE 4 RX CBR ID 23 B 1 SIZE 251 SRC 1000 DST 2 T 150.252 D 40.152

NODE 2 RX-RELAY TYPE: CBR ID 24 BLOCK 1000 SIZE 250 SRC 1000 DST 2 TIME 150.267 DELAY 35.167

NODE 3 TX-RELAY CBR ID 24 B 1 SIZE 251 SRC 1000 DST 2 T 150.267

NODE 4 RX CBR ID 24 B 1 SIZE 251 SRC 1000 DST 2 T 150.272 D 35.172

NODE 2 RX-RELAY TYPE: CBR ID 25 BLOCK 1000 SIZE 250 SRC 1000 DST 2 TIME 150.297 DELAY 30.197

NODE 3 TX-RELAY CBR ID 25 B 1 SIZE 251 SRC 1000 DST 2 T 150.297

NODE 4 RX CBR ID 25 B 1 SIZE 251 SRC 1000 DST 2 T 150.302 D 30.202

NODE 1000 TX CBR ID 32 B 1000 SIZE 250 SRC 1000 DST 2 T 155.1

NODE 1000 TX CBR ID 33 B 1000 SIZE 250 SRC 1000 DST 2 T 160.1

NODE 1000 TX CBR ID 34 B 1000 SIZE 250 SRC 1000 DST 2 T 165.1

NODE 1000 TX CBR ID 35 B 1000 SIZE 250 SRC 1000 DST 2 T 170.1

NODE 1000 TX CBR ID 36 B 1000 SIZE 250 SRC 1000 DST 2 T 175.1

NODE 1000 TX CBR ID 37 B 1000 SIZE 250 SRC 1000 DST 2 T 180.1

NODE 1000 TX CBR ID 38 B 1000 SIZE 250 SRC 1000 DST 2 T 185.1

NODE 1000 TX CBR ID 39 B 1000 SIZE 250 SRC 1000 DST 2 T 190.1

NODE 1000 TX CBR ID 40 B 1000 SIZE 250 SRC 1000 DST 2 T 195.1

NODE 1000 TX CBR ID 41 B 1000 SIZE 250 SRC 1000 DST 2 T 200.1

NODE 1000 TX CBR ID 42 B 1000 SIZE 250 SRC 1000 DST 2 T 205.1

NODE 1000 TX CBR ID 43 B 1000 SIZE 250 SRC 1000 DST 2 T 210.1

NODE 1000 TX CBR ID 44 B 1000 SIZE 250 SRC 1000 DST 2 T 215.1

NODE 1000 TX CBR ID 45 B 1000 SIZE 250 SRC 1000 DST 2 T 220.1

NODE 1000 TX CBR ID 46 B 1000 SIZE 250 SRC 1000 DST 2 T 225.1

NODE 1000 TX CBR ID 47 B 1000 SIZE 250 SRC 1000 DST 2 T 230.1

NODE 1000 TX CBR ID 48 B 1000 SIZE 250 SRC 1000 DST 2 T 235.1

NODE 1000 TX CBR ID 49 B 1000 SIZE 250 SRC 1000 DST 2 T 240.1

NODE 1000 TX CBR ID 50 B 1000 SIZE 250 SRC 1000 DST 2 T 245.1

NODE 1000 TX CBR ID 51 B 1000 SIZE 250 SRC 1000 DST 2 T 250.1

NODE 1000 TX CBR ID 52 B 1000 SIZE 250 SRC 1000 DST 2 T 255.1

NODE 1000 TX CBR ID 53 B 1000 SIZE 250 SRC 1000 DST 2 T 260.1

NODE 1000 TX CBR ID 54 B 1000 SIZE 250 SRC 1000 DST 2 T 265.1

NODE 1000 TX CBR ID 55 B 1000 SIZE 250 SRC 1000 DST 2 T 270.1

NODE 1000 TX CBR ID 56 B 1000 SIZE 250 SRC 1000 DST 2 T 275.1

NODE 1000 TX CBR ID 57 B 1000 SIZE 250 SRC 1000 DST 2 T 280.1

NODE 1000 TX CBR ID 58 B 1000 SIZE 250 SRC 1000 DST 2 T 285.1

NODE 1000 TX CBR ID 59 B 1000 SIZE 250 SRC 1000 DST 2 T 290.1

SIMULATOR\_DEBUG: Stop (869837710 events)