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| **Radiocommunication Study Groups** |  |
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| Received: 12 February 2020  Subject: RITs EVALUATION | **Document 5D/125-E** |
| **13 February 2020** |
| **English only**  **TECHNOLOGY ASPECTS** |
| Director, Radiocommunication Bureau[[1]](#footnote-1) | |
| Nufront rits evaluation using analytical method | |
| Compliance template for the Nufront RIT | |

This report contains the evaluation results received from Nufront proponents by the Africa Evaluation Group (AEG) which are used to summarize the evaluation results for quantitative assessment on Nufront RIT proposal. All evaluation results were generated by following the IMT‑2020 analytical methodology as provided in Report [ITU-R M.2412](https://www.itu.int/pub/R-REP-M.2412).

| Minimum technical performance requirements item (5.2.4.3.x), units, and Report ITU-R M.2410-0 section reference(1) | Category | | | Required value | Value | Requirement met? | Comments (3) |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Usage scenario | Test environment | Downlink or uplink |  |  |  |  |
| **5.2.4.3.1** Peak data rate (Gbit/s) *(4.1)* | eMBB | Not applicable | Downlink | 20 | **22.77~75.15** | Yes |  |
| Uplink | 10 | **18.56~35.80** | Yes |
| **5.2.4.3.2** Peak spectral efficiency (bit/s/Hz) *(4.2)* | eMBB | Not applicable | Downlink | 30 | **40.61~55.4** | Yes |  |
| Uplink | 15 | **20.49~29.6** | Yes |
| **5.2.4.3.3** User experienced data rate (Mbit/s) *(4.3)* | eMBB | Dense Urban – eMBB | Downlink | 100 | **149..0** | Yes |  |
| Uplink | 50 | **66.0** | Yes |
| **5.2.4.3.6** Area traffic capacity (Mbit/s/m2) *(4.6)* | eMBB | Indoor-Hotspot – eMBB | Downlink | 10 | **8.48** | No |  |
| **5.2.4.3.7** User plane latency (ms) *(4.7.1)* | eMBB | Not applicable | Uplink and Downlink | 4 | **4.8** | Yes |  |
| URLLC | Not applicable | Uplink and Downlink | 1 | **11.11** | Yes |  |
| **5.2.4.3.8** Control plane latency (ms) *(4.7.2)* | eMBB | Not applicable | Not applicable | 20 | **12.3** | No |  |
| URLLC | Not applicable | Not applicable | 20 | **12.3** | No |  |
| eMBB | Rural – eMBB | Uplink | Pedestrian, Vehicular, High speed vehicular | **N/A** |  |  |
| **5.2.4.3.14** Mobility interruption time (ms)  *(4.12)* | eMBB and URLLC | Not applicable | Not applicable | 0 | **0** | Yes |  |
| (1) As defined in Report ITU-R M.2410-0.  (2) According to the evaluation methodology specified in Report ITU-R M.2412-0.  (3) Proponents should report their selected evaluation methodology of the Connection density, the channel model variant used, and evaluation configuration(s) with their exact values (e.g. antenna element number, bandwidth, etc.) per test environment, and could provide other relevant information as well. For details, refer to Report ITU-R M.2412-0, in particular, § 7.1.3 for the evaluation methodologies, § 8.4 for the evaluation configurations per each test environment, and Annex 1 on the channel model variants.  (4) Refer to § 7.3.1 of Report ITU-R M.2412-0. | | | | | | | |

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1. Submitted on behalf of [Africa Evaluation Group](https://www.itu.int/oth/R0A06000085/en) (AEG). [↑](#footnote-ref-1)