**3GPP TSG RAN WG4 Meeting #94-e R4-2002487**

**Electronic Meeting, February 24-March 06, 2020**

**Agenda Item:** 8.5.1

**Source:** Ericsson

**Title:** TP to TR 38.xxx: RF Requirements reference points

**Document for:** Approval

1. Introduction

After RAN4#92bis the IAB TR [1] is email approved. Section 2 provides text proposal on 4.2 RF Requirements reference points for the IAB TR 38.xxx (Integrated access and backhaul radio transmission and reception).

# Text Proposal

--------------------------------------------------Start of TP------------------------------------------------------

4.2 RF Requirements reference points

*<Text will be added>*

The requirement reference points for BS is defined as below :

**Table 4.2-1: BS requirement sets**

| **BS type / Requirement set** | **BS Description** | **Additional information** |
| --- | --- | --- |
| 1-H | A BS operating at FR1 with a requirement set holding requirements defined at the TAB and OTA requirements defined at RIB. | The requirement set is like the one defined for Hybrid AAS BS. Following the approach used in 3GPP TS 37.105 |
| 1-O | A BS operating at FR1 with a requirement set consisting only OTA requirements defined at the RIB. | Following the approach developed in eAAS and documented in 3GPP TR 37.843 . |
| 2-O | A BS operating at FR2 with a requirement set consisting only of OTA requirements defined at the RIB. | This requirement set is relevant for AAS BS and does not require access to RF connectors. |

The test and reference point of RF requirement for BS should be reused and thus the test spec will not be impacted.

When the IAB-MT class is the same as the correspondent IAB-DU class, the test and reference point of IAB-DU and IAB-MT will be the same.

**Table 4.2-2: IAB requirement sets**

| **IAB type / Requirement set** | **IAB Description** | **Additional information** |
| --- | --- | --- |
| 1-H | IAB-MT and IAB-DU operating at FR1 with a requirement set holding requirements defined at the respective TAB and OTA requirements defined at the respective RIB | The requirement set for both IAB-DU and IAB-MT. |
| 1-O | IAB-MT and IAB-DU operating at FR1 with a requirement set consisting only of OTA requirements defined at the respective RIB. | The requirement set for both IAB-DU and IAB-MT. |
| 2-O | IAB-MT and IAB-DU operating at FR2 with a requirement set consisting only of OTA requirements defined at the respective RIB. | The requirement set for both IAB-DU and IAB-MT. |

--------------------------------------------------End of TP------------------------------------------------------

1. References
2. R4-1913332, “Updated IAB TR”, Samsung, RAN4#93