**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 IAB DU should be reused and thus the test spec will not be impacted. For wide area IAB MT class, the test and reference point of IAB DU can be reused for IAB MT and Table 4.2-2 lists the IAB type and requirement set applicable to the defined reference points. The need to define a new reference point for other IAB MT class than wide area IAB MT is FFS.

**Table 4.2-2: IAB requirement sets for wide area IAB class**

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