**3GPP TSG-RAN WG4 Meeting # 102-e R4-2205445**

**Electronic Meeting, February 21st – March 3rd, 2022**

Title: TP to TS 38.108 on 6.0 Conducted transmitter characteristics

Source: Hughes/EchoStar

Agenda item: 10.13.3.3

Document for: Approval

# Introduction

This contribution provides a text proposal on 6.0 Conducted transmitter characteristics for TS 38.108 [1] based on the approved WF in [2].

# Reference

[1] R4-2203087 (3GPP TS 38.108 V0.0.1))

[2] WF R4-2203080

# Text proposal

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# 6 Conducted transmitter characteristics

## 6.1 General

Unless otherwise stated, the conducted transmitter characteristics are specified at the *TAB connector* for *SAN type 1-H*, with a full complement of transceiver units for the configuration in normal operating conditions.

For *SAN type 1-H* the manufacturer shall declare the minimum number of supported geographical cells (i.e., geographical areas covered by beams). The minimum number of supported geographical cells (Ncells) relates to the BS setting with the minimum amount of cell splitting supported with transmission on all *TAB connectors* supporting the *operating band*, or with minimum amount of transmitted beams.

For *SAN type 1-H* manufacturer shall also declare *TAB connector TX min cell groups*. Every *TAB connector* of the *SAN type 1-H* supporting transmission in an *operating band* shall map to one *TAB connector* *TX min cell group* supporting the same *operating band*,where mapping of *TAB connector*s to cells/beams is implementation dependent.

The number of *active transmitter units* that are considered when calculating the conducted TX emissions limits (NTXU,counted) for *SAN type 1-H* is calculated as follows:

NTXU,counted = *min(NTXU,active , 8×Ncells)*

NTXU,countedpercell is used for scaling of *basic limits* and is derived as NTXU,countedpercell = NTXU,counted / Ncells

NOTE: NTXU,active depends on the actual number of *active transmitter unit*s and is independent to the declaration of Ncells.

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