**3GPP TSG-RAN WG4 Meeting # 102-e R4-2203956**

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

Title: TP for 38.108: clause 9.3 OTA Satellite Access Node output power

Source: CATT

Agenda item: 10.13.1.2

Document for: Approval

# Introduction

This contribution provides a text proposal for 38.108: clause 9.3 OTA Satellite Access Node output power [1].

# Reference

[1] TR 38.108, 0.0.1

# Text proposal

---------------------------------------------------Start of Text proposal---------------------------------------------------------

## 9.3 OTA Satellite Access Node output power

## 9.3 OTA base station output power

### 9.3.1 General

OTA SAN output power is declared as the TRP radiated requirement, with the output power accuracy requirement defined at the RIB during. TRP does not change with beamforming settings as long as the *beam peak direction* is within the *OTA peak directions set*. Thus the TRP accuracy requirement must be met for any beamforming setting for which the *beam peak direction* is within the *OTA peak directions set*.

The SAN *rated carrier TRP output power* for *SAN type 1-O* shall be based on manufacturer declaration.

Despite the general requirements for the SAN output power described in clause 9.3.2, additional regional requirements might be applicable.

### 9.3.2 Minimum requirement for *SAN type 1-O*

In normal conditions, the *SAN type 1-O* *maximum carrier TRP output power*, Pmax,c,TRP measured at the RIB shall remain within ±2 dB of the *rated carrier TRP output power* Prated,c,TRP, as declared by the manufacturer.

Normal conditions are defined in TS 38.181 [2]

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