

# (19) United States

# (12) Patent Application Publication (10) Pub. No.: US 2023/0232262 A1 PARK et al.

(43) **Pub. Date:** Jul. 20, 2023

## (54) NTN-RELATED COMMUNICATION

(71) Applicant: LG ELECTRONICS INC., Seoul (KR)

(72) Inventors: Jinwoong PARK, Seoul (KR); Jinyup HWANG, Seoul (KR); Yoonoh YANG,

Seoul (KR); Sangwook LEE, Seoul (KR); Suhwan LIM, Seoul (KR)

(21) Appl. No.: 18/099,435

(22) Filed: Jan. 20, 2023

## Related U.S. Application Data

(63) Continuation of application No. PCT/KR2021/ 014571, filed on Oct. 19, 2021.

### (30)Foreign Application Priority Data

Oct. 23, 2020 (KR) ..... 10-2020-0138669

## **Publication Classification**

(51) Int. Cl.

H04W 24/08 (2006.01)

U.S. Cl.

CPC ...... *H04W 24/08* (2013.01)

#### (57)ABSTRACT

Provided in one disclosure of the present specification is a method by which a UE performs NTN-related communication. The method may comprise the steps of: receiving, from a base station, NTN-related information; determining the measurement state of the UE from among a first measurement state, a second measurement state, and a third measurement state; and measuring, on the basis of the measurement state of the UE, the signal of a flying object or a satellite related to the NTN.

