

NCC/SA/XXX/Vol.III/015

Month Day, Year

The Managing Director,
Company Nigeria Limited,
Street, District,
City,
State.

Dear Sir,

HIGH ALTITUDE PLATFORM STATION (HAPS) NETWORK FREQUENCY LICENCE

Following your acceptance of the provisional offer of the Commission vide your letter dated Month, Year and your payment of the stipulated fee, the Commission hereby assigns Frequency pairs to you for the deployment of **HAPS Network** in **Nigeria**, subject to the conditions stated below:

(1) HAPS PARAMETERS:

- a. Type of HAPS Network: HAPS Fixed Earth Station.
- b. Frequency Band of Operation:
- c. HAPS Network Facility Type: Transmit/Receive
- d. HAPS Altitude above ground:

(2) HAPS TRANSMITTER PARAMETERS:

- a. Bandwidth: _____ MHz
- b. Frequency Range of Operation: From: _____ MHz To: _____ MHz
- c. ITU Class of Emission Designator:
- d. Max. EIRP/Carrier (dBW):
- e. Max. ERP Density per Carrier (dBW/4KHz):

(3) HAPS RECEIVER PARAMETERS:

- a. Bandwidth of Receive Signal: _____ MHz
- b. Frequency Range of Operation: From: _____ MHz To: _____ MHz

(4) ASSOCIATED GROUND STATION(S) (GS) PARAMETERS:

- a. Associated GS Site ID:
- b. Associated GS Site Address:
- c. Town/City:
- d. Country:
- e. Latitude:
- f. Longitude:
- g. Site Elevation, Above Sea Level (ASL):

(5) ASSOCIATED SPACE SATELLITE PARAMETERS:

- a. Name of Associated Space Satellite:
- b. Name of Satellite Home Administration:
- c. Orbital Type of Satellite:
- d. Orbital Position of Satellite:

(6) HAPS DEPLOYED NETWORK PARAMETERS:

HAPS Deployed Network: To be submitted in line with HAPS network reporting template biannually (on **January 7** and **July 7** of each year) via the URL <https://www.ncc.gov.ng/accessible/documents/824-satellite-services-deployment-reporting-template>

(7) LIMITATIONS ON USE:

The HAPS Network shall only:

- a. Use the frequencies specified in the Transmit Frequency and Receive Frequency in this assignment.
- b. Communicate with Satellites in the orbital position as specified in (4) above.
- c. Use a power not exceeding that specified in the Effective Isotropic Radiated Power (EIRP) in this frequency assignment.
- d. Use power density not exceeding that specified in the Spectral Power Density of the equipment.
- e. Use the classes of emission specified in **the ITU RR (to state specific reference)**.
- f. Operate from the location(s) that will be specified in the reporting template

(8) Effective Date shall be **Month/Day/Year**.

(9) The next renewal will be due by **Month/Day/Year**. The renewal fee shall be based on the Frequency License Fee and Pricing Regulation in force at the time of renewal.

(10) The frequency spectrum to be used by the HAPS Network has also been assigned to other terrestrial services with co-primary allocation. You are to ensure that there is proper coordination with these services to avoid harmful interference.

(11) The HAPS Ground Network shall **ONLY** communicate with XXX HAPS or XXX Satellite indicated in this frequency Licence.

(12) The characteristics of the HAPS Network shall remain within the envelope characteristics of typical earth stations associated with the satellite network with which these HAPS communicate.

(13) The use of HAPS Network shall not cause more interference and shall not claim more protection than for typical earth stations in the GSO FSS network.

- (14) Receiving HAPS in the assigned frequency band shall not claim protection from terrestrial services to which the frequency band is allocated and operating in accordance with the Radio Regulations.
- (15) Transmitting HAPS in the assigned frequency band shall not cause unacceptable interference to terrestrial services to which the frequency band is allocated and operating in accordance with the Radio Regulations.
- (16) The XXX HAPS Network Operator is required to comply with Resolution 22 resolves 3 of the ITU WRC-19.
- (17) XXX is required to submit to the Commission, data on the telecommunications operators you provide services to. A copy of the template for submission can be downloaded from the Commission's website through the path:
<http://www.ncc.gov.ng/technology/spectrum/eartstation-report-templates>.

XXX is required to complete all the fields and submit in both hard and soft copies. The soft copy should be sent to spectrum-space@ncc.gov.ng. A CD copy should also be sent to the Commission. You are to comply strictly with this template when sending your data to the Commission.

- (17) XXX is also required to submit regular updates of the data referred to in **(16) above** to the Commission **twice** every year.
- (18) Updates should be submitted on **January 7** and **July 7** of each year. In situations where these dates fall on weekends or Public Holidays, the submission will be due on the next working day following the due dates.
- (19) XXX is hereby reminded that all equipment must be **Type Approved** by the Commission before installation.
- (20) The Commission may withdraw this assignment and invoke sanctions if it is used contrary to the stipulated conditions without prior written approval from the Commission, or if false information on the actual usage of the frequency is provided to the Commission.

Thank you.

Yours faithfully,

For: Nigerian Communications Commission

EXECUTIVE VICE CHAIRMAN/CEO