

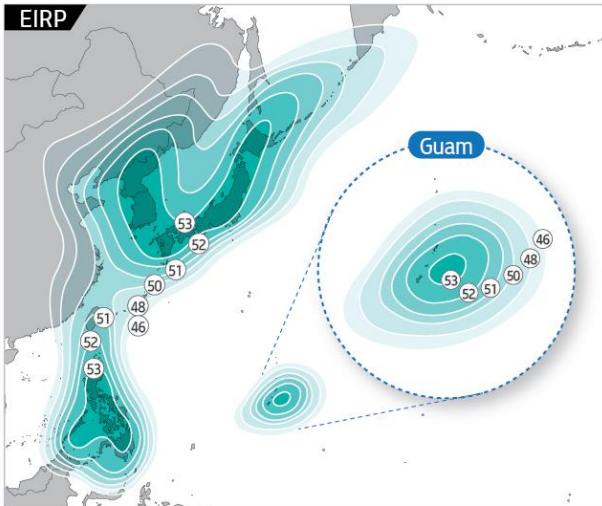
# Satellite Fleet

## KOREASAT-5A

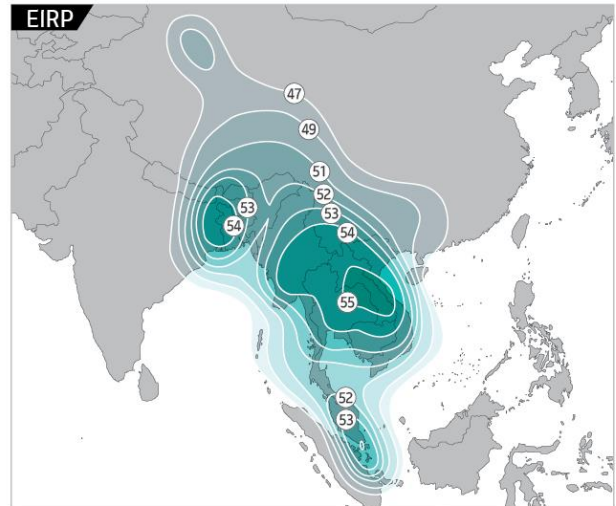
Orbital Location : 113°E  
Launch Date : Oct 2017

Manufacturer : Thales Alenia Space  
Launcher : Space X

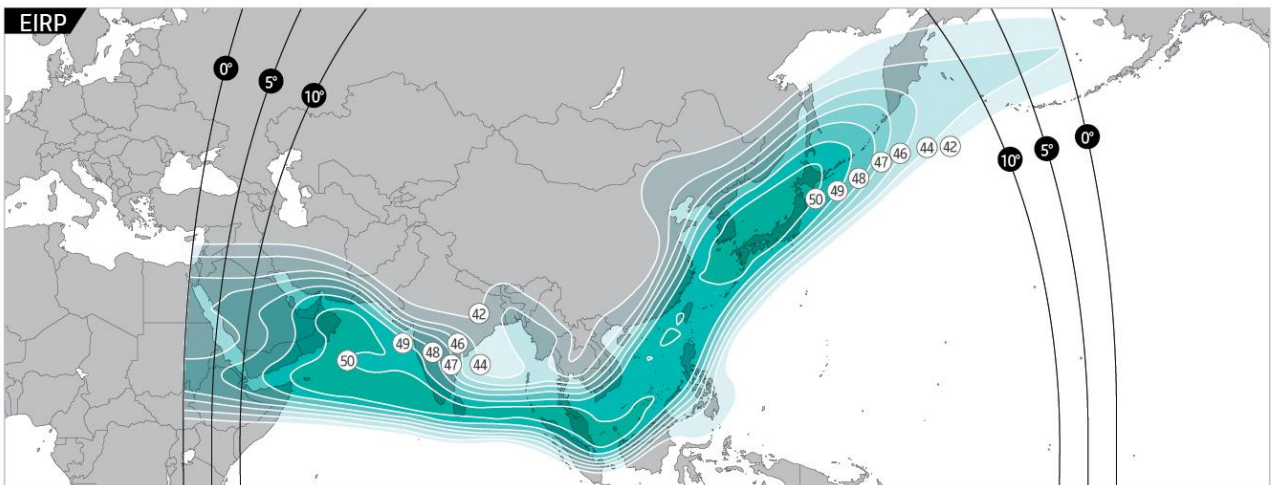
North East Asia Ku-band Beam



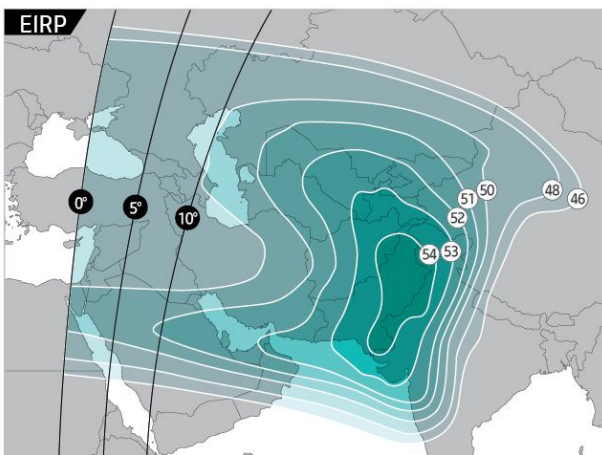
Indochina Ku-band Beam



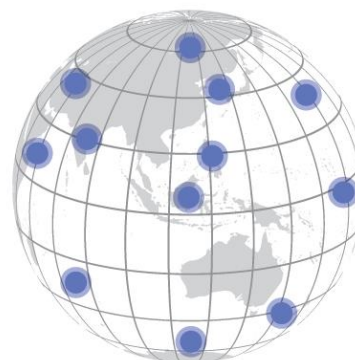
Maritime Ku-band Beam



South Asia Ku-band Beam



Steerable Extended Ku-band Beam





# KOREASAT 5A

KOREASAT 5A has 20 Ku-Band transponders(54 MHz each), 12 Ku-Band transponders(36 MHz each), and 4 extended Ku-Band(54 MHz each) steerable transponders at 113°E. The satellite is built based on Spacebus 4000B2 platform, and has payload power of around 7kW. It was launched in 2017, as a replacement of KOREASAT 5.

KOREASAT 5A expands kt sat's capabilities to provide DTH broadcasting and other communications services in Korea, Japan, Philippines, Guam, Indochina and South Asia.

The global multi-satellite coverage has been improved for maritime areas from East Asia to East Africa with Ku-Band, as well as Asia and the Middle East with steerable Extended Ku-Band capacity.

## Specifications

|   |   |
|---|---|
| <b>Number of Transponders</b>           | Ku-Band : 24x54MHz   Ku-Band : 12x36MHz                 |
| <b>Uplink/Downlink Frequencies(GHz)</b> | 13.75 – 14.5 / 11.45 - 11.7   12.25 - 12.75             |
| <b>Polarization</b>                     | Linear(Horizontal or Vertical)                          |
| <b>Orbital Location(Longitude)</b>      | 113° E  |
| <b>Geographic Coverage</b>              | Korea, Japan, Philippines, Indochina, Central Asia etc. |
| <b>Launch Service Provider</b>          | SpaceX  |
| <b>Launch Date</b>                      | 31 Oct 2017   |
| <b>Spacecraft(Model)</b>                | Spacebus 4000B2   |
| <b>Manufacturer</b>                     | Thales Alenia Space                                     |
| <b>Lifetime</b>                         | 15 years  |