

Satellite Fleet

KOREASAT-6

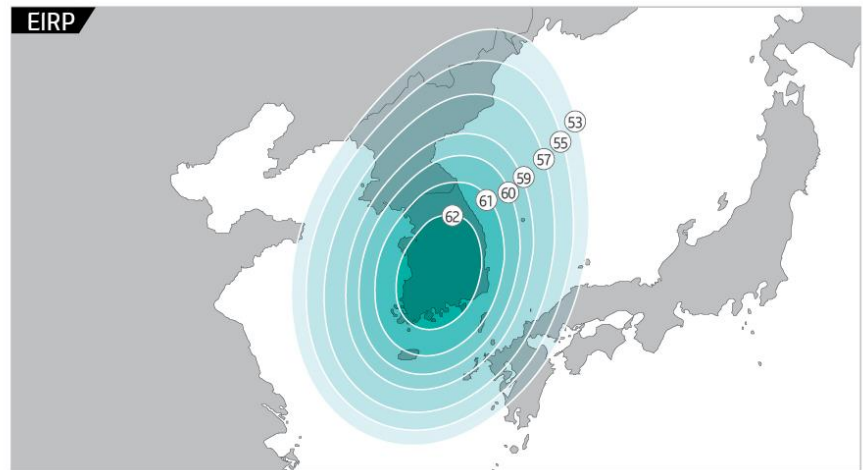
Orbital Location :
116°E

Launch Date :
Dec 2010

Manufacturer :
Orbital Sciences Corporation

Launcher :
Arianespace

FSS Ku-band Beam





KOREASAT 6

KOREASAT 6 has 24 FSS Ku-Band transponders and 6 BSS Ku-Band transponders. The satellite generates 3.4 kilowatts of payload power and has a 15-year on-orbit mission life. KOREASAT 6 was launched by Arianespace from Kourou, French Guiana in December 2010 to a final orbital slot at 116°E.

KOREASAT 6 led Korea to digital switchover. The switchover has been completed provides future broadcasting services such as HDTV, 3DTV, and even UHD. The satellite provides SkyLife with capacity and services for broadcasting to over 4 million subscribers. It delivers CATV program service, Satellite News Gathering and various other services.

Specifications

Number of Transponders	FSS : 24x36MHz BSS : 6x27MHz
Uplink/Downlink Frequencies (GHz)	14.0 – 14.5 / 12.25 – 12.75 14.5 – 14.8 / 11.7 – 12.0
Polarization	Linear(Horizontal or Vertical)
EIRP(Peak Value)(dBW)	62
G/T(dB/K)	12 - 20
Orbital Location(Longitude)	116°E
Geographic Coverage	Korea
Launch Service Provider	Arianespace
Launch Date	30 Dec 2010
Spacecraft(Model)	Star-2
Manufacturer	Orbital Sciences Corporation
Lifetime	15 years