



Technical Profile

AMOS-4

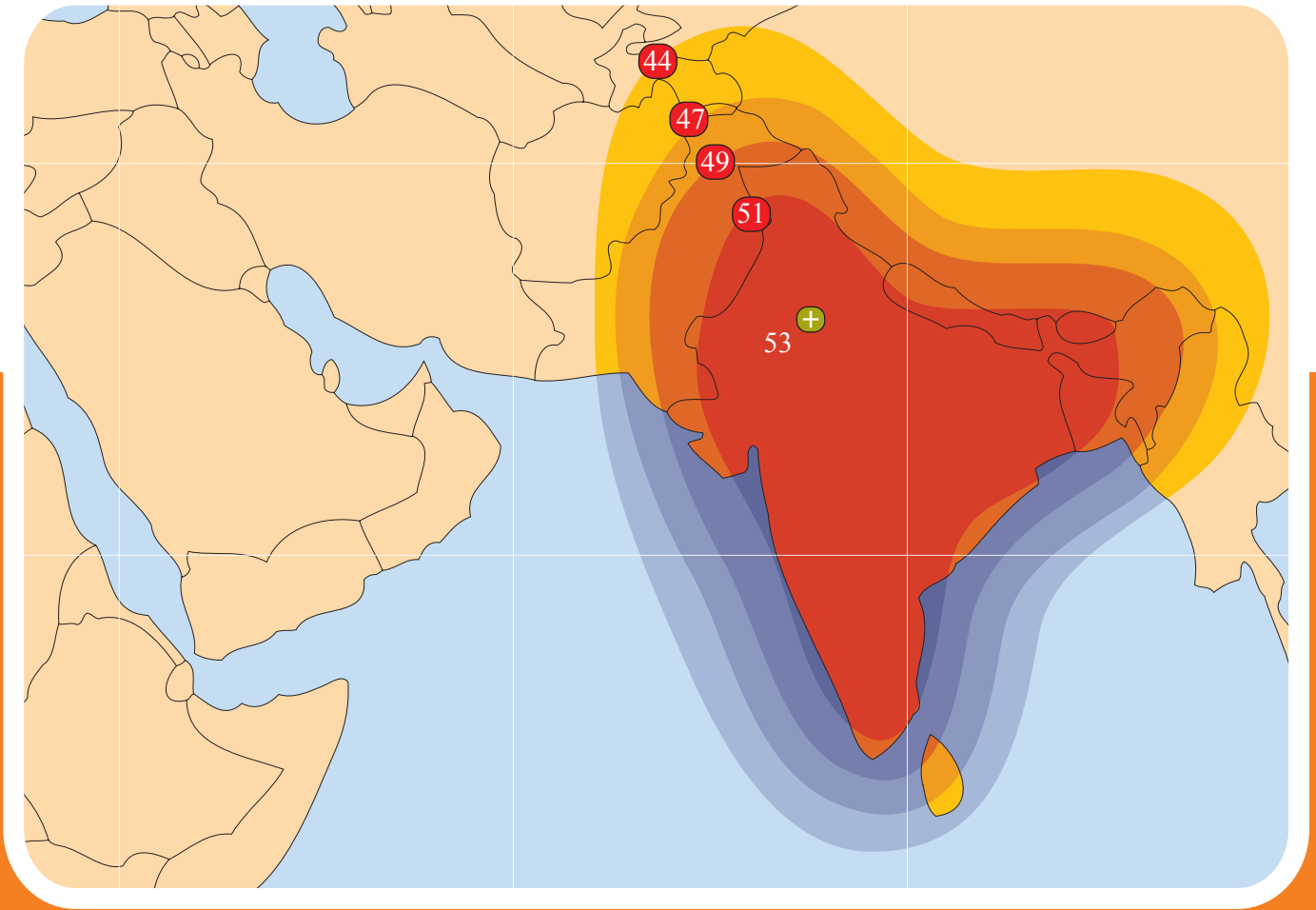
General Specifications

- Orbital location 65° East
- Frequency band Ku, Ka
- Number of available Ku-band Transponders 8 x 108MHz
- Number of available Ka-band Transponders 4 x 216MHz
- Service areas
 - Ku-band beams:
two shaped steerable beams covering Russia and India with optional steering to: Southeast Asia, the Middle East, Central Asia, India, South Africa and Central East Europe
 - Ka-band beam:
one shaped steerable beam covering the Middle East. Optional steering to: Russia, India, China, Central Asia, Southeast Asia, and South Africa
- Full cross beam connectivity Ku to Ku
- Full cross band connectivity Ka to Ku – U/L in Ka beam and D/L in any Ku beam
- Expected Launch date 2013

Scheduled for launch in 2013, Spacecom's AMOS-4 satellite will establish a new orbital position at 65°E, providing a full range of satellite services for India, Southeast Asia, Russia, the Middle East and other additional service areas.

AMOS-4's multiple Ku and Ka transponders create a powerful platform, enabling a wide range of cross-band, cross-beam connectivity options. For our customers, this means extensive broadcast and broadband reach into the vast urban and rural areas of these regions. Available satellite services for customers include Direct-To-Home (DTH), video distribution, VSAT communications and broadband Internet.

With its new orbital slot, additional capacity, expanded coverage areas and cross-region connectivity, AMOS-4 positions Spacecom at the forefront of international satellite operators delivering comprehensive satellite solutions. Our constellation, which provides comprehensive coverage for Europe, Africa and the Middle East, also includes our AMOS-2 and AMOS-3 satellites, co-located at the 4°W orbital "Hot Spot", and AMOS-5 located at 17°E.

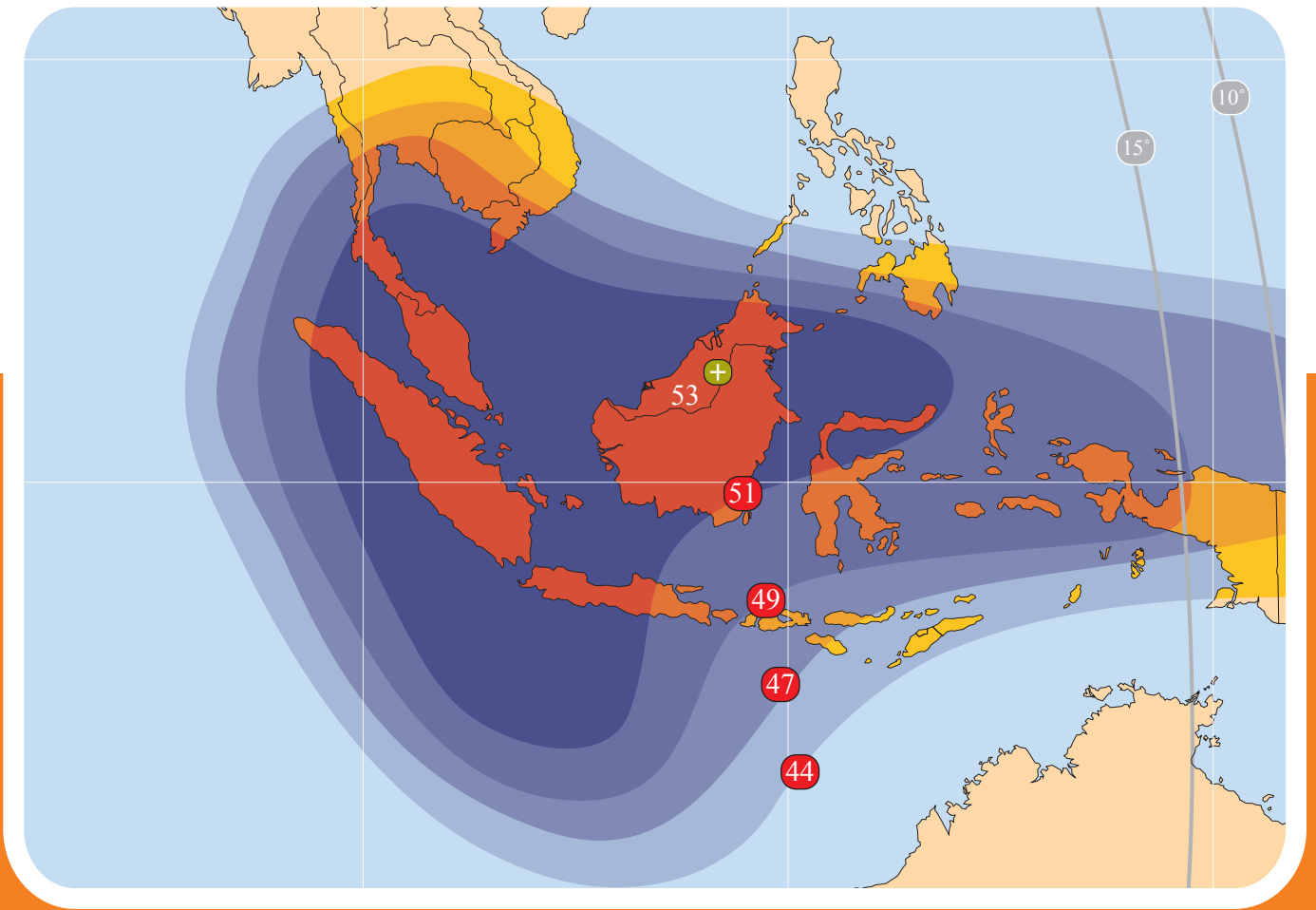


India Beam (Ku-1)

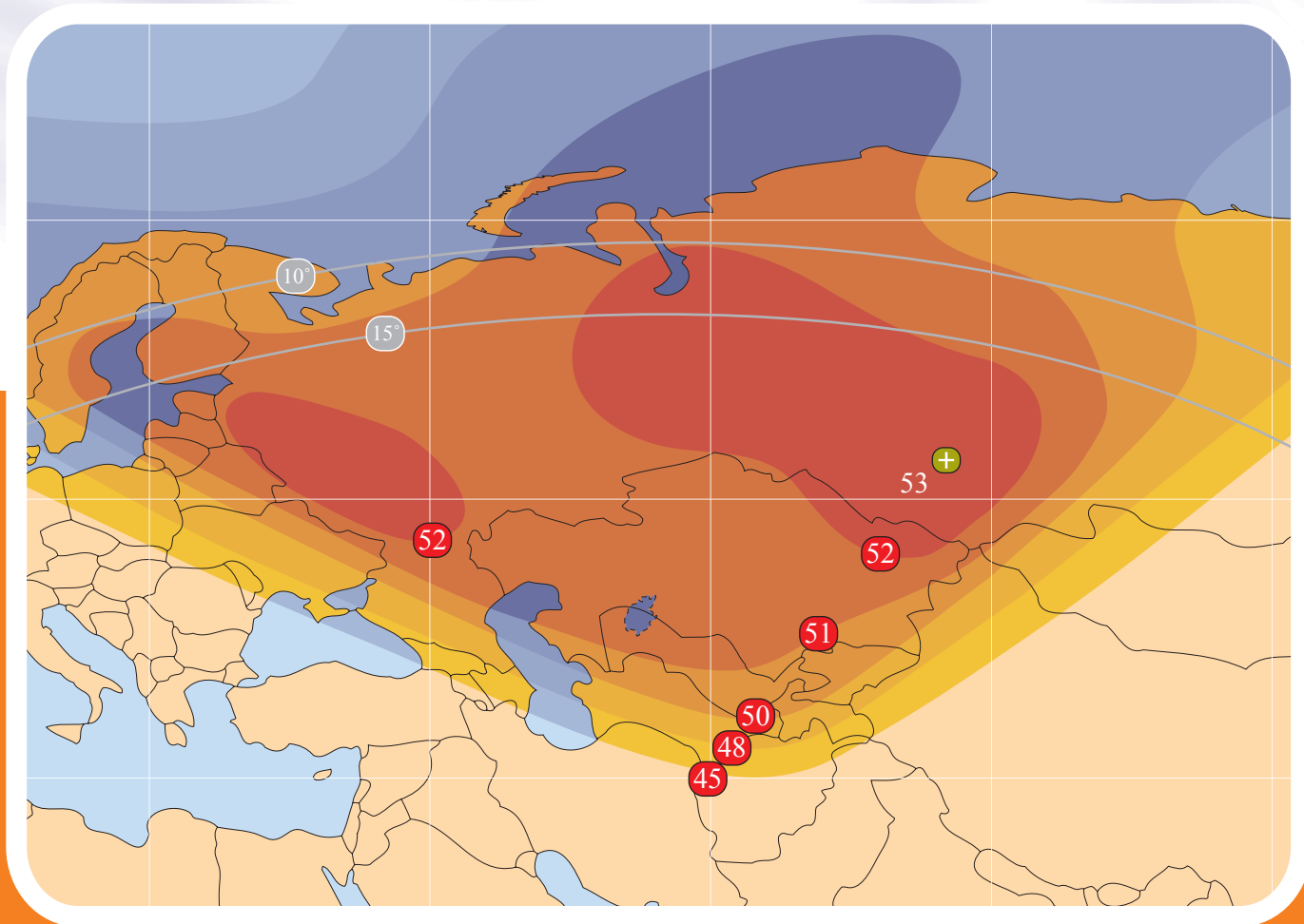
Parameters

Number of Transponders Up to 8 x 108 MHz
 (24 x 36 MHz)
 EIRP at beam peak 53 dBW
 G/T at beam peak 7.5 dB/K
 Steering Range All Visible Earth
 Uplink frequencies 12.75 to 13.25 GHz;
 13.75 to 14.5 GHz

Downlink frequencies 10.7 to 11.7 GHz;
 12.5 to 12.75 GHz
 Uplink polarization Vertical & Horizontal
 Downlink polarization Vertical & Horizontal



Option: Steered over Southeast Asia (Ku-1)

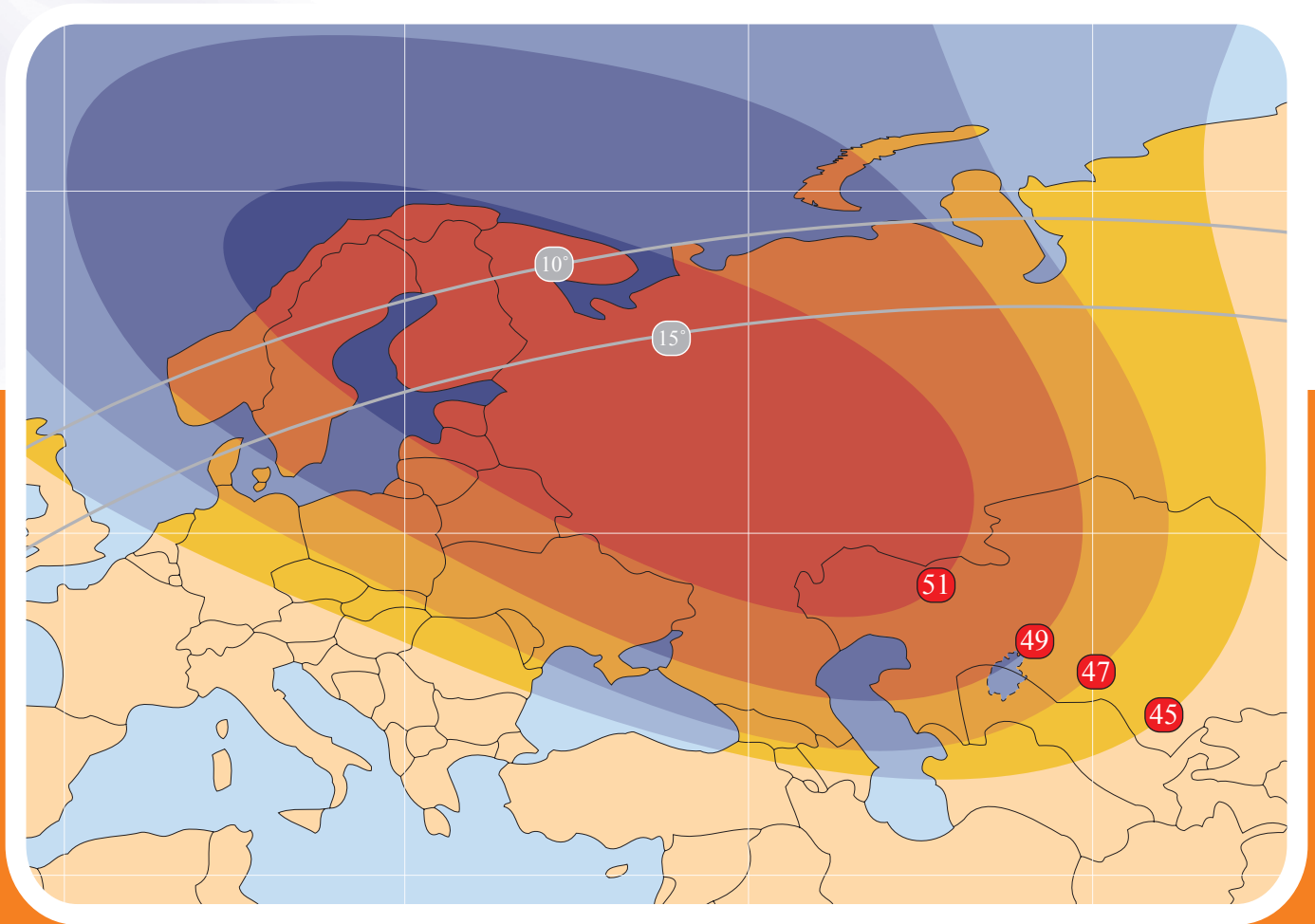


Russia Beam (Ku-2)

Parameters

Number of Transponders..... Up to 6 x 108 MHz
 EIRP at beam peak..... 53 dBW
 G/T at beam peak..... 6.5 dB/K
 Steering Range..... All Visible Earth
 Uplink frequencies..... 12.75 to 13.25 GHz;
 13.75 to 14.5 GHz

Downlink frequencies..... 10.7 to 11.7 GHz;
 12.5 to 12.75 GHz
 Uplink polarization..... Vertical & Horizontal
 Downlink polarization..... Vertical & Horizontal



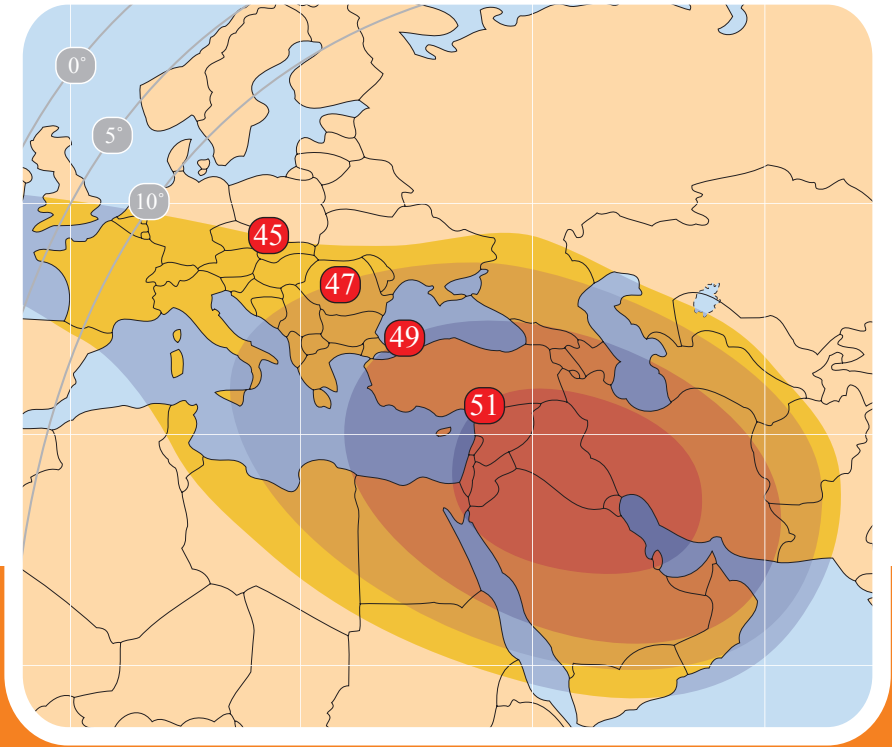
Option: Steered over Russia (Ka)

Parameters

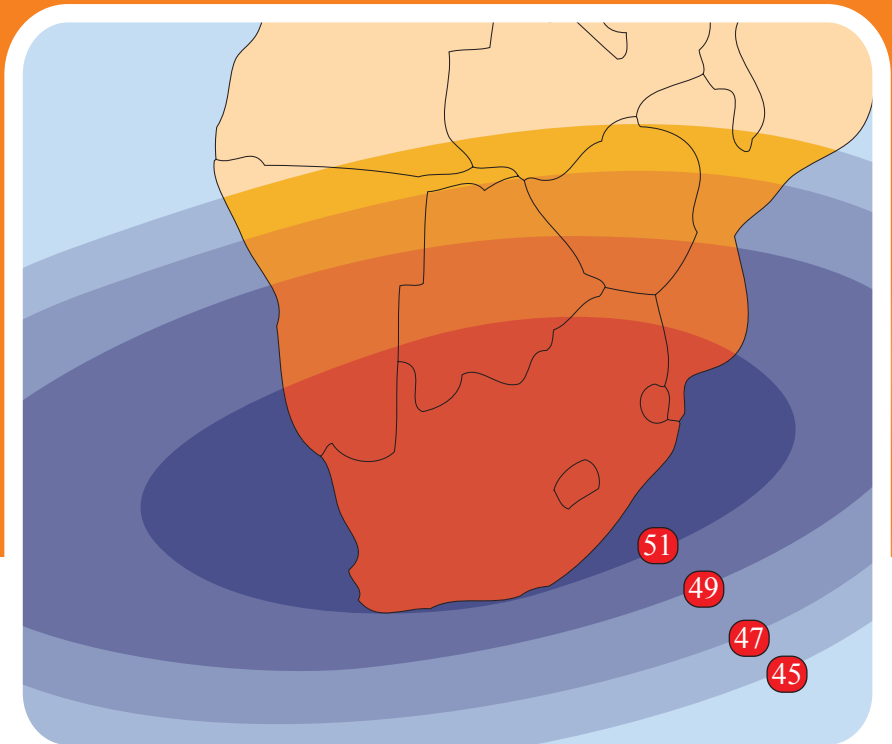
Number of Transponders.....Up to 4 x 216 MHz
 G/T at beam peak9.5 dB/K
 Steering RangeAll Visible Earth
 Uplink frequencies.....27.5 to 31.0 GHz

Downlink frequencies..... 17.7 to 21.2 GHz
 Uplink polarization..... LHCP & RHCP
 Downlink polarization LHCP & RHCP

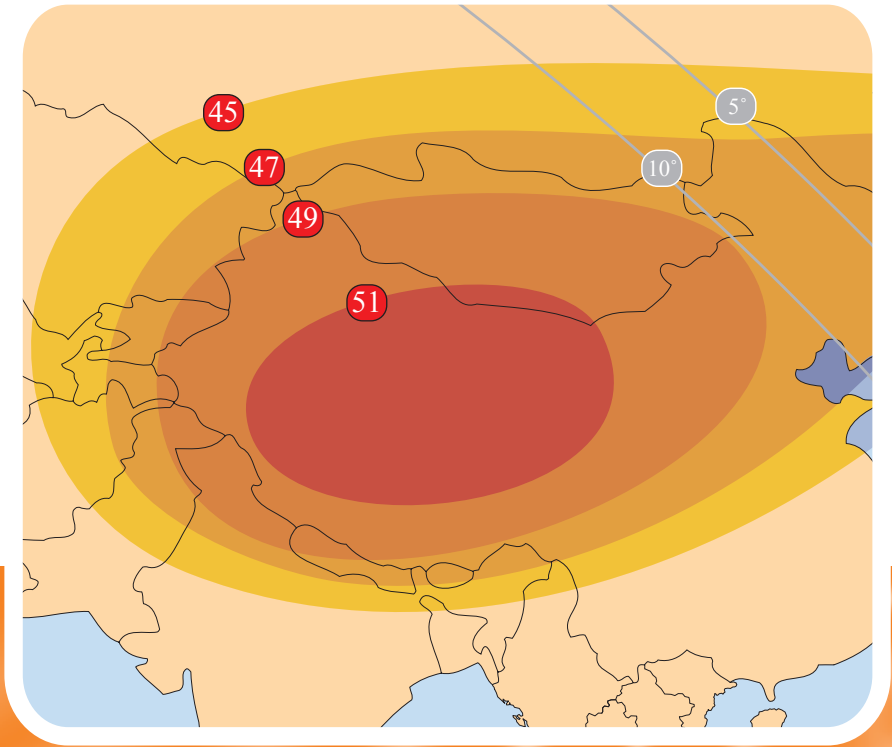
*Middle East
& Europe (Ka)*



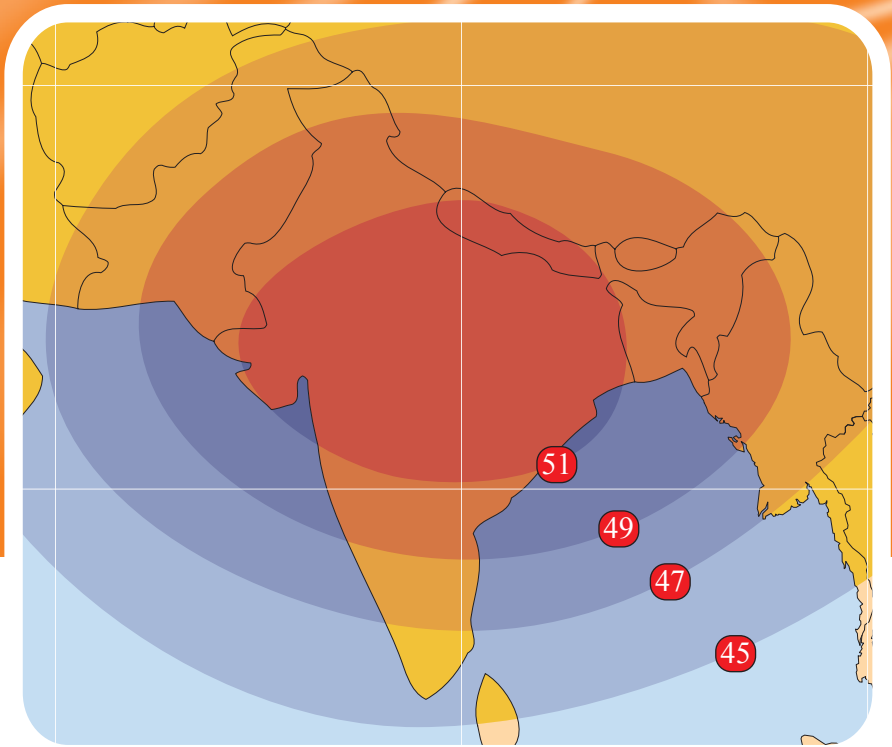
*Option:
Steered over
South Africa (Ka)*



*Option: Steered
over China (Ka)*



*Option: Steered
over India (Ka)*





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