



## Technical Profile

# AMOS-3

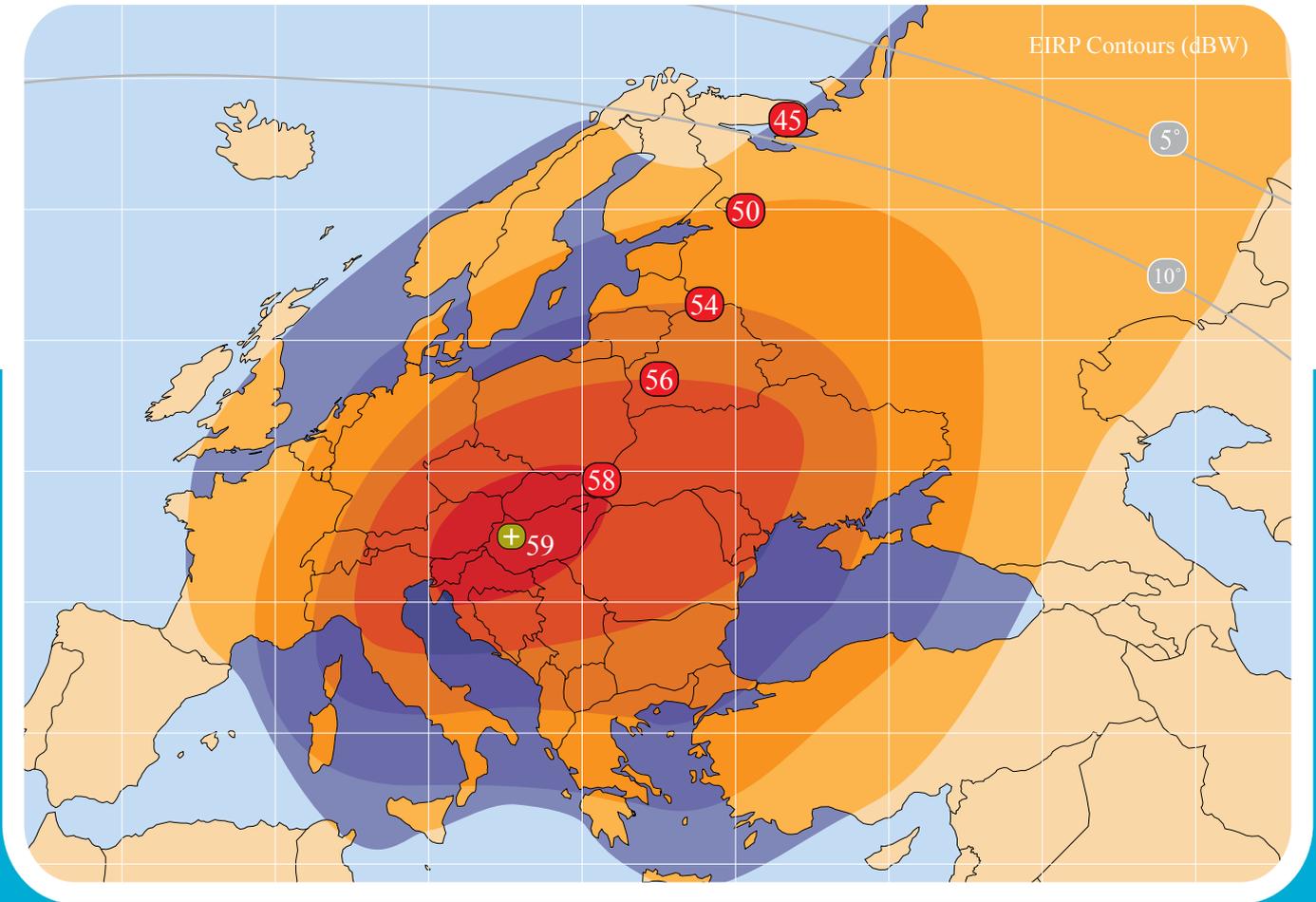
### General Specifications

- Orbital location ..... 4° West
- Frequency band ..... Ku
- Number of 36 MHz Segments ..... 26
- Service areas ..... Europe  
Middle East  
US East Coast
- Antenna polarization ..... Linear
- Launch date ..... April 2008
- Expected Service Life ..... 17 years

AMOS-3 was launched in April 2008 to the 4°W orbital position where it joined the AMOS “hotspot” created by AMOS-1 and AMOS-2. Since replacing AMOS-1 in orbit, AMOS-3 has enhanced Spacecom's portfolio with additional capacity, expanded coverage areas, and cross-Atlantic connectivity to the U.S. East Coast.

AMOS-3's include three Ku-band beams covering Europe, the Middle East and the U.S. East Coast. Its powerful transponders augment Spacecom's existing service offerings, supporting a full range of Satcom services, including Direct-To-Home (DTH), video distribution, Very Small Aperture Terminal (VSAT) communications and broadband Internet.

Together, AMOS-3, AMOS-2 and AMOS-5 enlarge Spacecom's coverage and service portfolio over the Middle East, Europe and Africa. With the scheduled launch of AMOS-4 in 2013 to serve Asia and Russia, and AMOS-6 in 2014 to cover Europe, the Middle East and Africa, Spacecom is rapidly establishing itself as a multi-regional satellite operator.

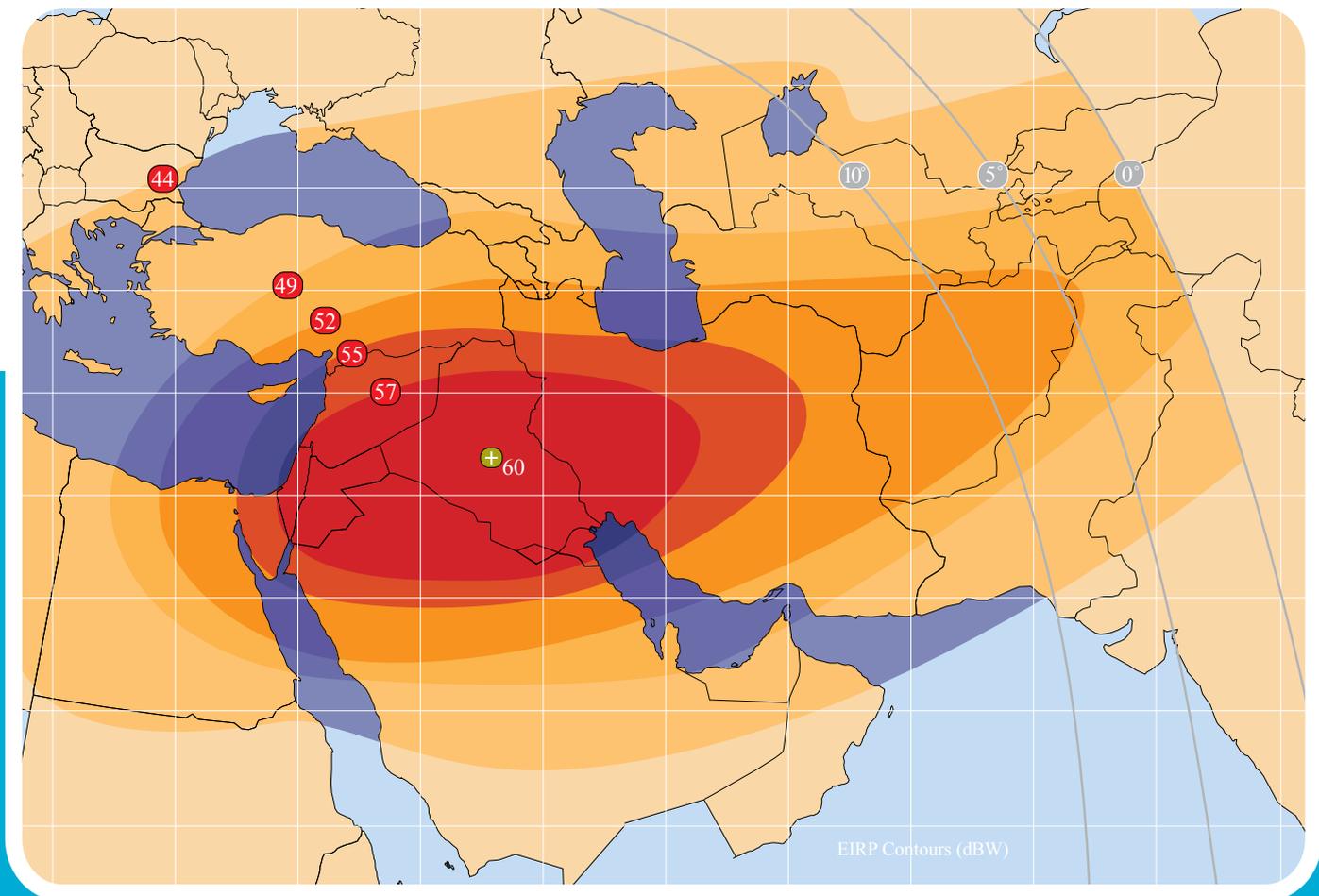


## Europe | Ku-band Beam

### Parameters

Number of 36 MHz segments .....up to 14  
 EIRP at beam peak .....59 dBW  
 G/T at beam peak .....16 dB/K  
 Uplink frequencies .....12.75 to 13.25;  
 13.75 to 14.5 GHz

Downlink frequencies .....10.7 to 11.70;  
 12.50 to 12.75 GHz  
 Uplink polarization .....Vertical or Horizontal  
 Downlink polarization .....Vertical or Horizontal



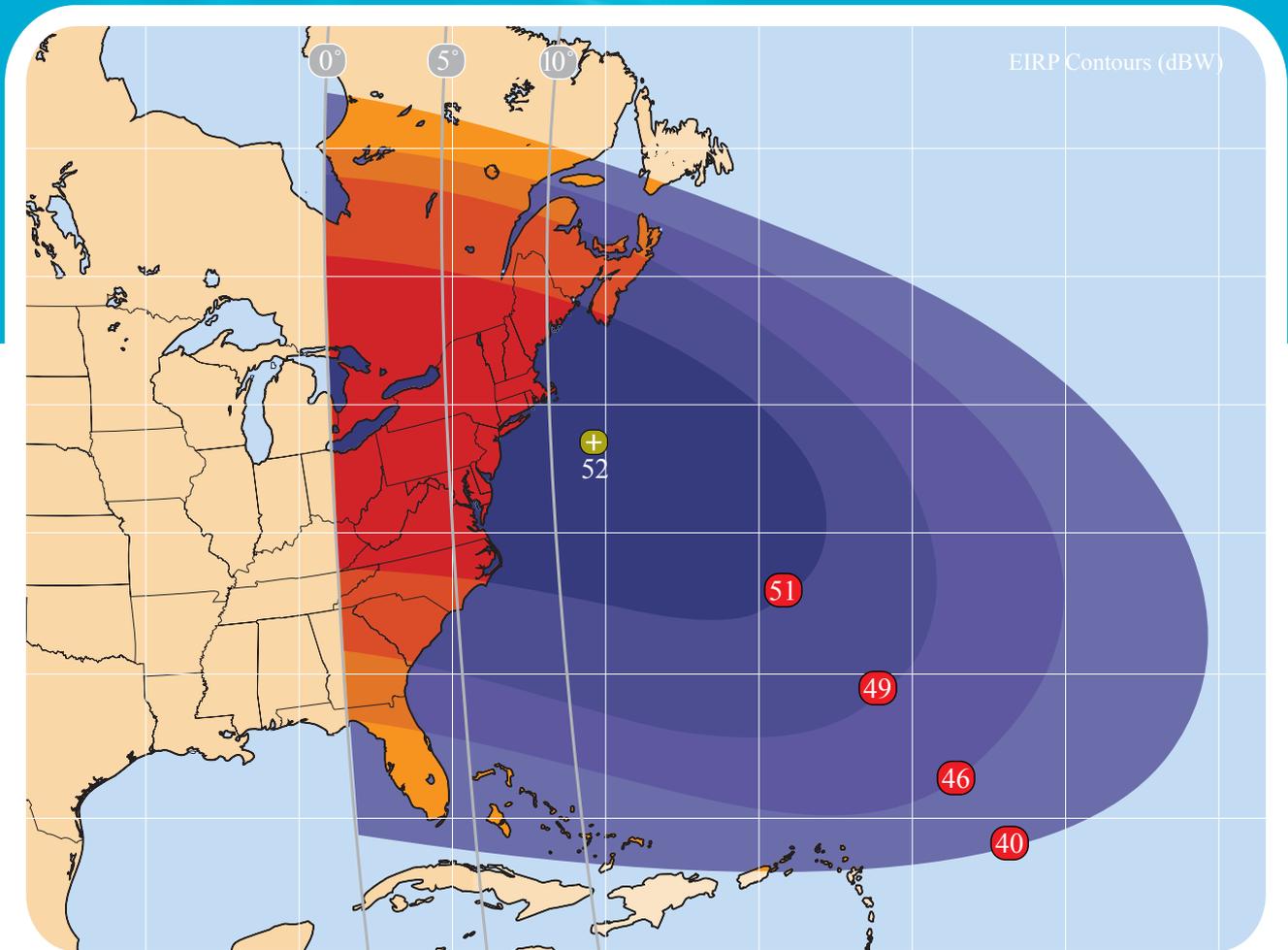
## *Middle East | Ku-band Beam*

### **P a r a m e t e r s**

Number of 36 MHz segments .....up to 22  
 EIRP at beam peak .....60 dBW  
 G/T at beam peak .....15 dB/K  
 Uplink frequencies .....12.75 to 13.25;  
 13.75 to 14.5 GHz

Downlink frequencies .....10.7 to 11.70;  
 12.50 to 12.75 GHz  
 Uplink polarization .....Vertical or Horizontal  
 Downlink polarization .....Vertical or Horizontal

# North America | Ku-band Beam



## Parameters

Number of 36 MHz segments .....up to 6  
 EIRP at beam peak .....52 dBW  
 G/T at beam peak .....11 dB/K  
 Uplink frequencies .....13.75 to 14.08 GHz

Downlink frequencies .....10.7 to 11.70 GHz  
 Uplink polarization .....Horizontal  
 Downlink polarization .....Horizontal



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