



Technical Profile

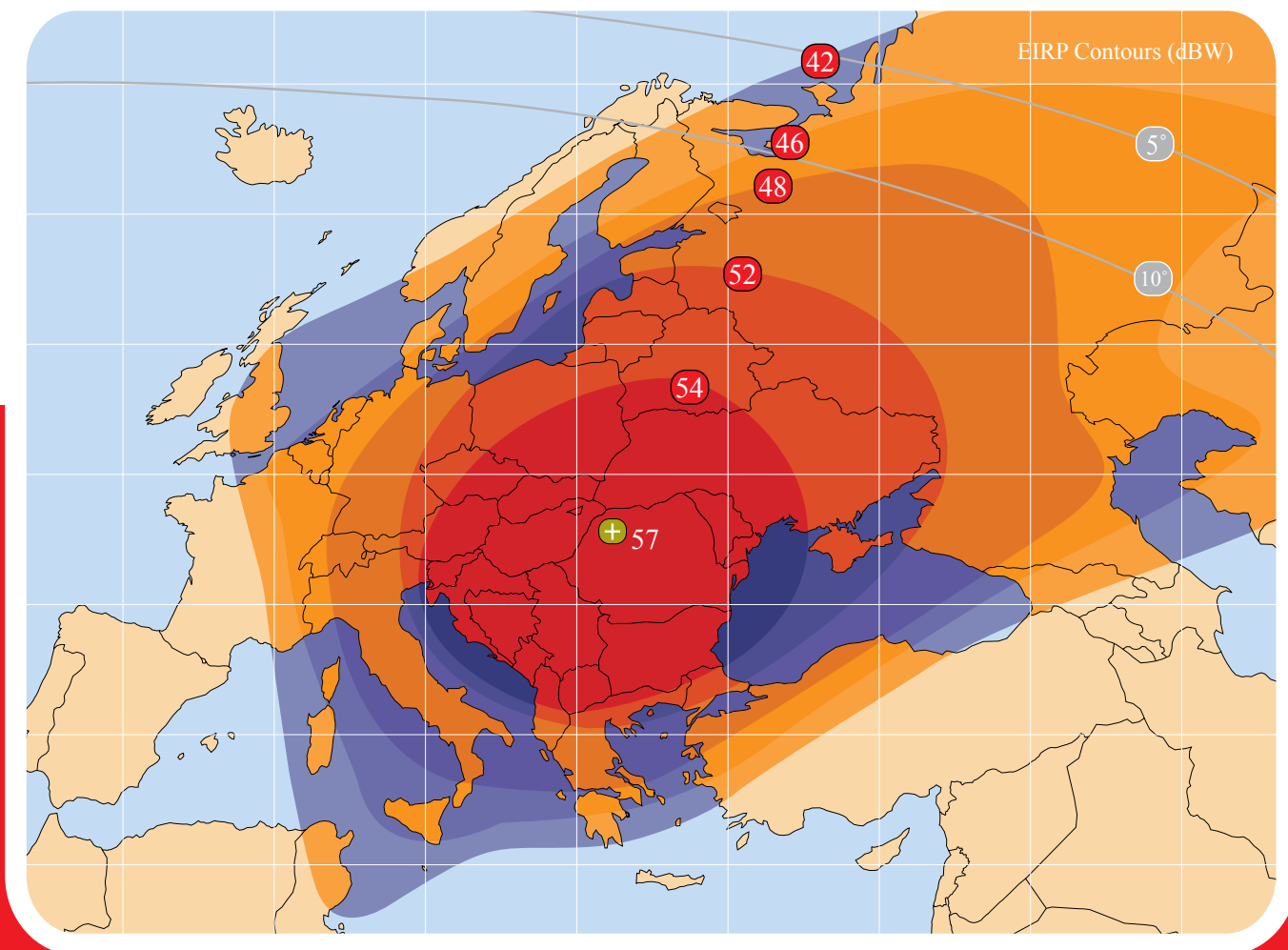
AMOS-2

General Specifications

- Orbital location 4° West
- Frequency band Ku
- Number of 36 MHz Segments 22
- Service areas Europe
Middle East
US East Coast
- Antenna polarization Linear
- Launch date December 2003
- Expected Service Life 13 years (until 2017)

AMOS-2, launched in 2003, joined AMOS-1 to create the AMOS "hotspot" at the 4°W orbital location. Today, AMOS-2 is co-located at 4°W with AMOS-3, which was launched in 2008 to replace AMOS-1.

AMOS-2 provides three Ku-band beams covering Europe, the Middle East and the U.S. East Coast. AMOS-2's powerful transponders provide enhanced service offerings and support a full range of Satcom services, including Direct-To-Home (DTH), video distribution, Very Small Aperture Terminal (VSAT) communications and broadband Internet.

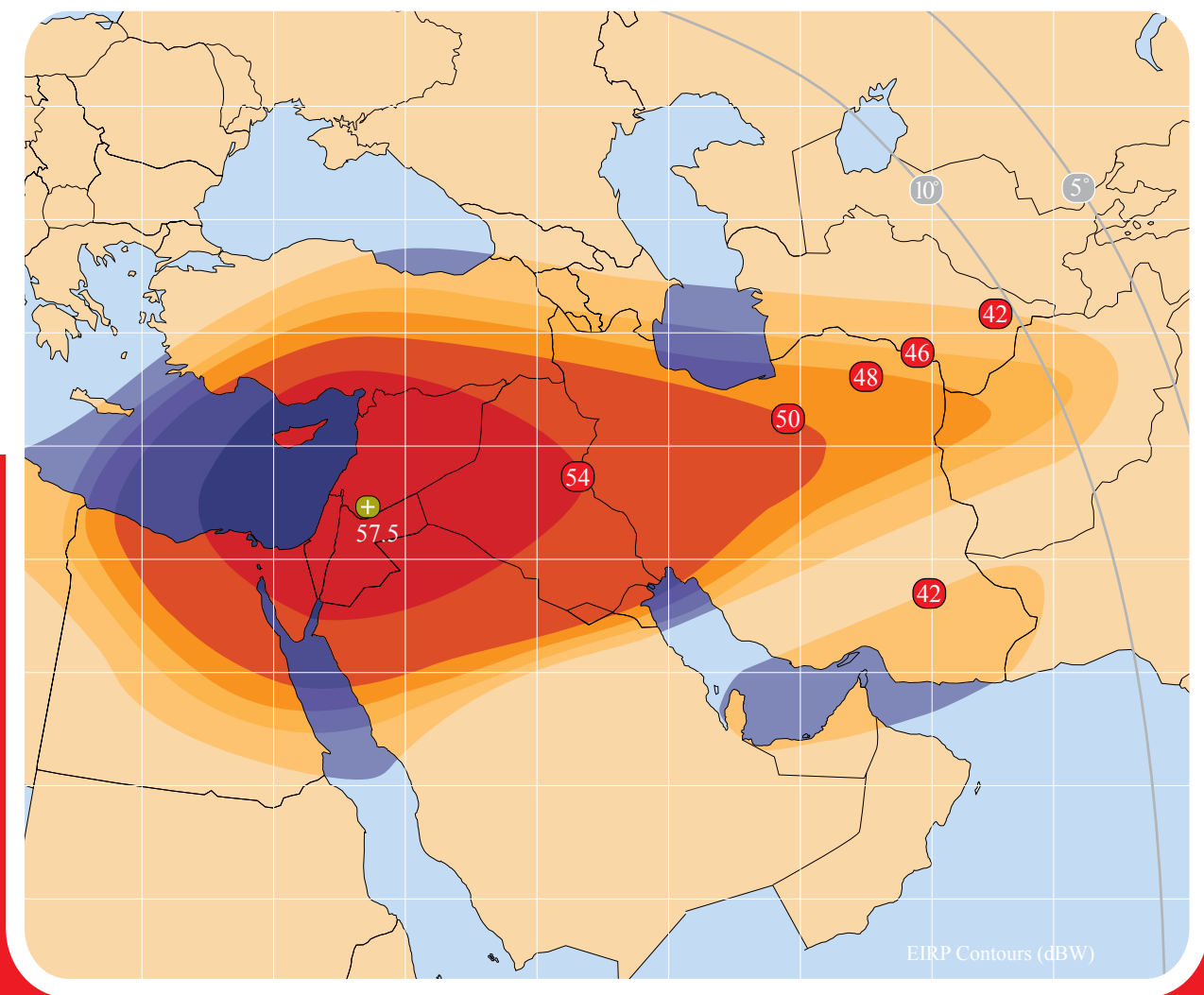


Europe | Ku-band Beam

P a r a m e t e r s

Number of 36 MHz segmentsup to 12
EIRP at beam peak57 dBW
G/T at beam peak14.5 dB/K
Uplink frequencies13.00 to 13.25;
13.75 to 14.0 GHz

Downlink frequencies10.7 to 10.95;
11.45 to 11.7 GHz
Uplink polarizationVertical
Downlink polarization Horizontal



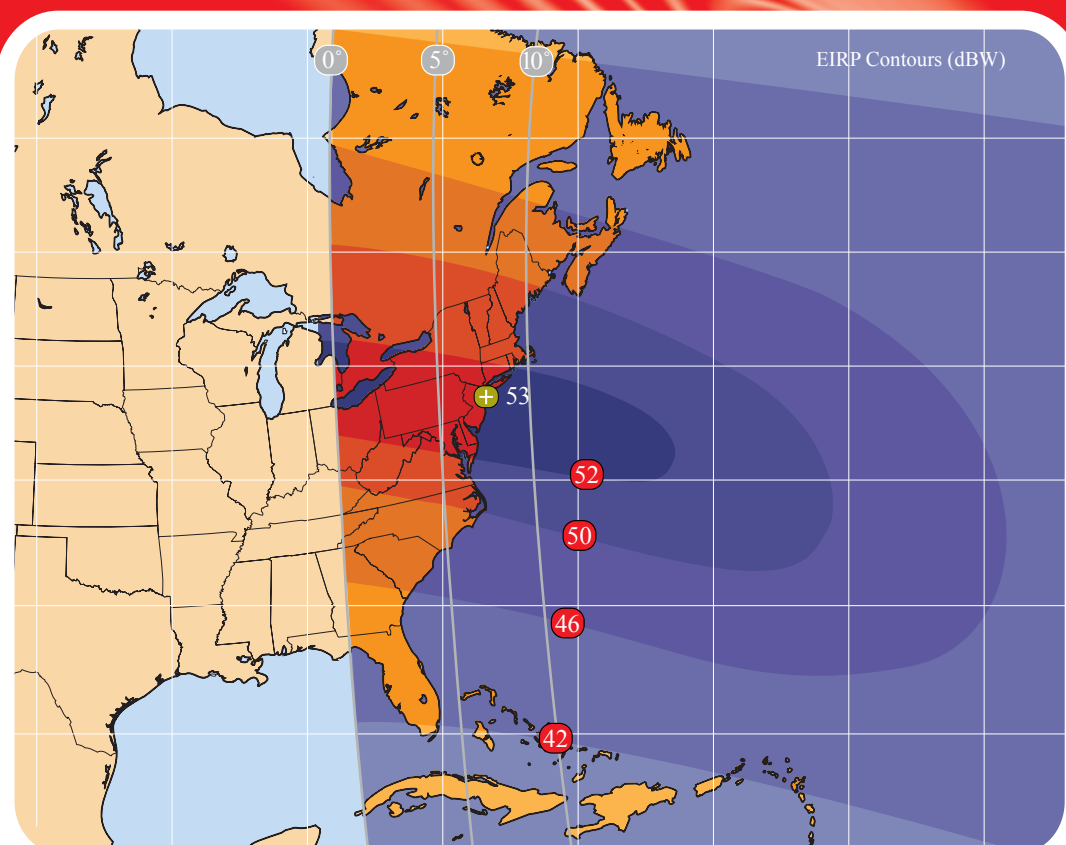
Middle East | Ku-band Beam

Parameters

Number of 36 MHz segments	up to 14
EIRP at beam peak	57.5 dBW
G/T at beam peak	15 dB/K
Uplink frequencies	13.0 to 13.25 GHz
	13.75 to 14.18 GHz
	14.25 to 14.5 GHz

Downlink frequencies	10.7 to 11.13 GHz
	11.2 to 11.7 GHz
Uplink polarization	Horizontal & Vertical
Downlink polarization	Horizontal & Vertical

North America | Ku-band Beam



Parameters

Number of 36 MHz segments	Downlink - Up to 6	Downlink frequencies	11.45 to 11.7 GHz
	Uplink - Up to 16	Uplink polarization	Horizontal
EIRP at beam peak	53 dBW	Downlink polarization	Horizontal
G/T at beam peak	9 dB/K		
Uplink frequencies	13.75 to 14.0 GHz		
	14.08 to 14.5 GHz		

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