

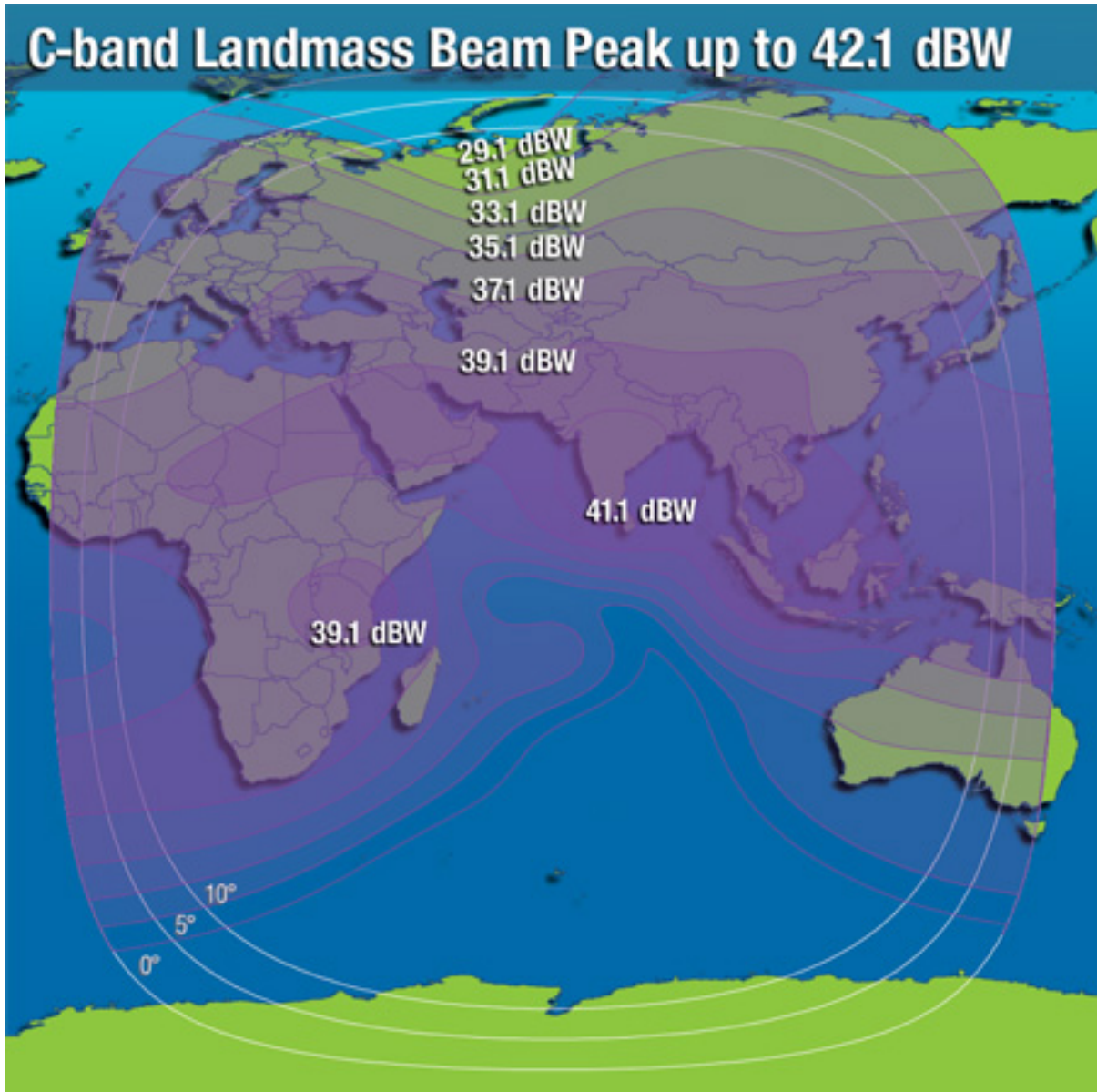


## Intelsat 20 at 69°E Satellite details

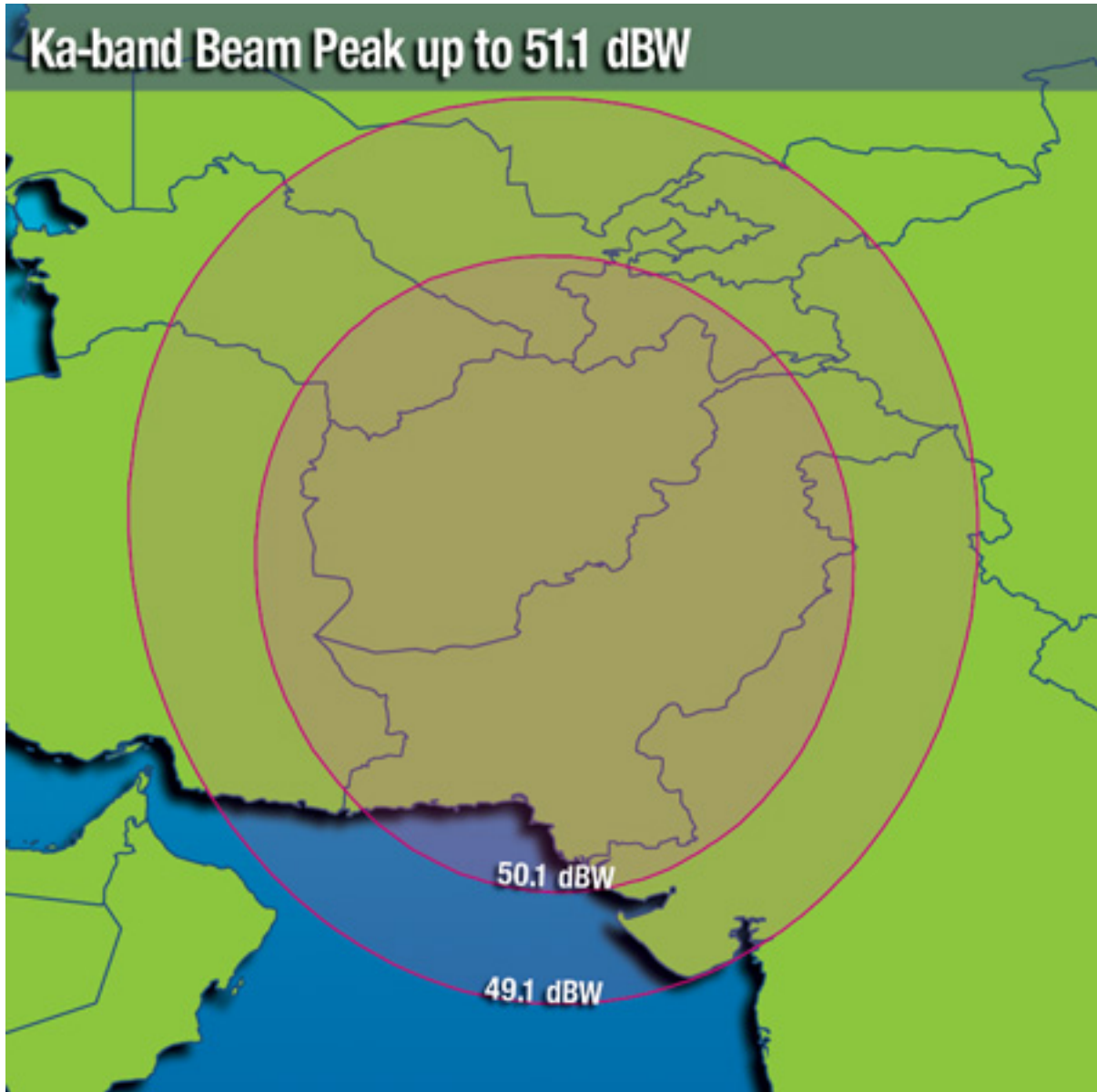
C-band Key Parameters		
Total Transponders	12 (in equivalent 36 MHz units)	
Polarization	Linear - Horizontal or Vertical	
Downlink Frequency	3700 to 4200 MHz	
Typical Edge of Coverage e.i.r.p.	> 30.7 dBW	
Uplink Frequency	5925 to 6675 MHz	
Beam Peak G/T	Up to 1.6 dB/K	
SFD Range at Reference Contour	-97.0 to -68.0 dBW/m <sup>2</sup> (-10.6 dB/K)	
Ka-band Key Parameters		
Total Transponders	1 x 500 MHz	
Polarization	Circular - Right Hand or Left Hand	
Downlink Frequency	19.7 GHz to 20.2 GHz	
Typical Edge of Coverage e.i.r.p.	> 49.1 dBW	
Uplink Frequency	29.5 GHz to 30.0 GHz	
Beam Peak G/T	Up to 5.9 dB/K	
SFD Range at Reference Contour	-92.0 to -78.0 dBW/m <sup>2</sup> (+1.0 dB/K)	
Ku-band Key Parameters		
Total Transponders	60 (in equivalent 36 MHz units)	
Polarization	Linear - Horizontal or Vertical	
Downlink Frequency	12.25 to 12.75 GHz	
Typical Edge of Coverage e.i.r.p.	Europe/Africa:	> 44.2 dBW
	EU/ME/CA:	> 44.8 dBW
	Russia:	> 48.0 dBW
	S. Africa:	> 48.5 dBW
Uplink Frequency	14.00 to 14.50 GHz	
Beam Peak G/T	Europe/Africa:	Up to 2.2 dB/K
	EU/ME/CA:	Up to 4.5 dB/K
	Russia:	Up to 3.8 dB/K
	S. Africa:	Up to 11.6 dB/K
SFD Range at Reference Contour	-94.0 to -70.0 dBW/m <sup>2</sup> (-3.6 dB/K)	



## Intelsat-20 Satellite Footprint C-band Landmass Beam

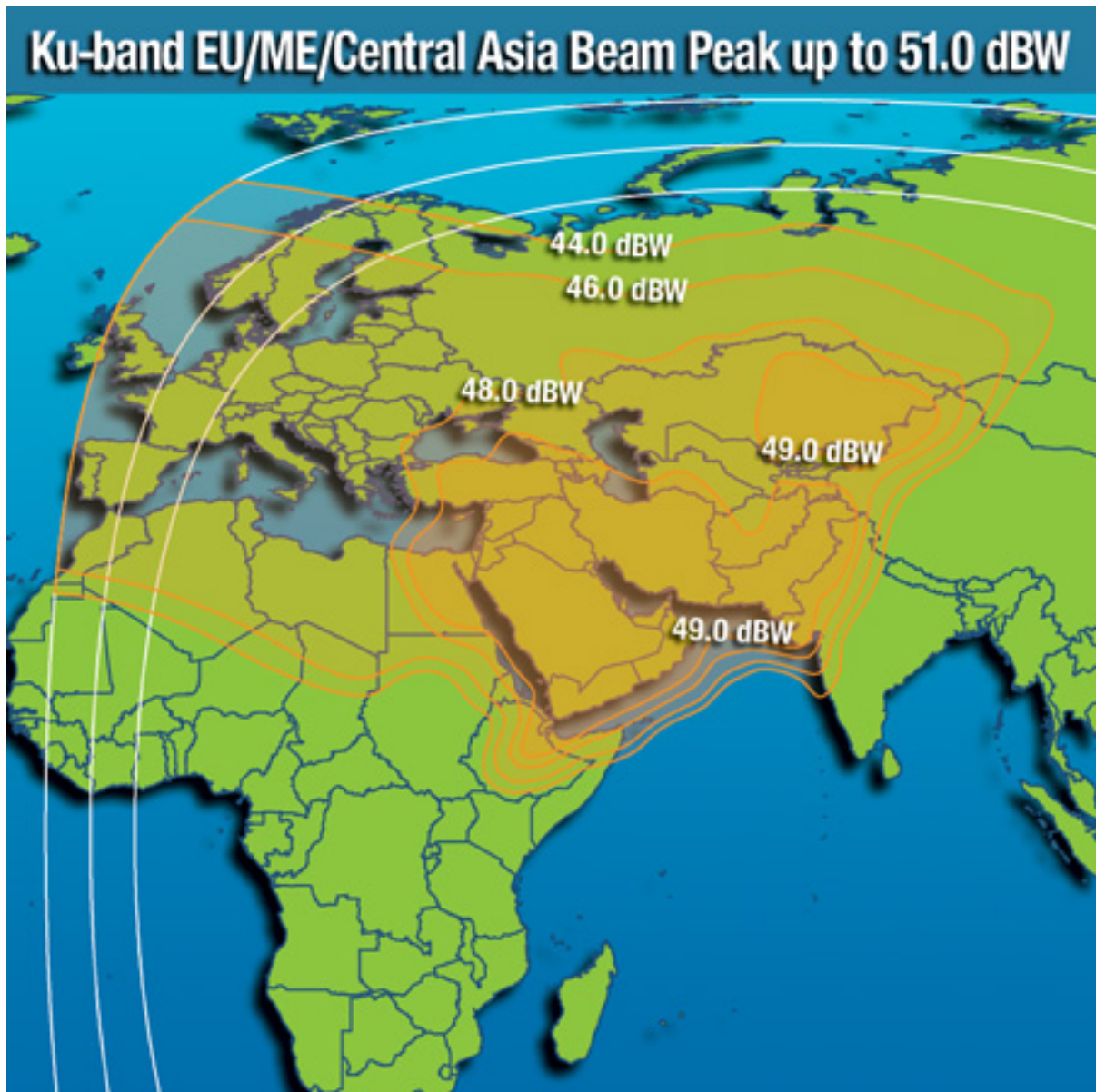


### Intelsat-20 Satellite Footprint Ka-band Beam



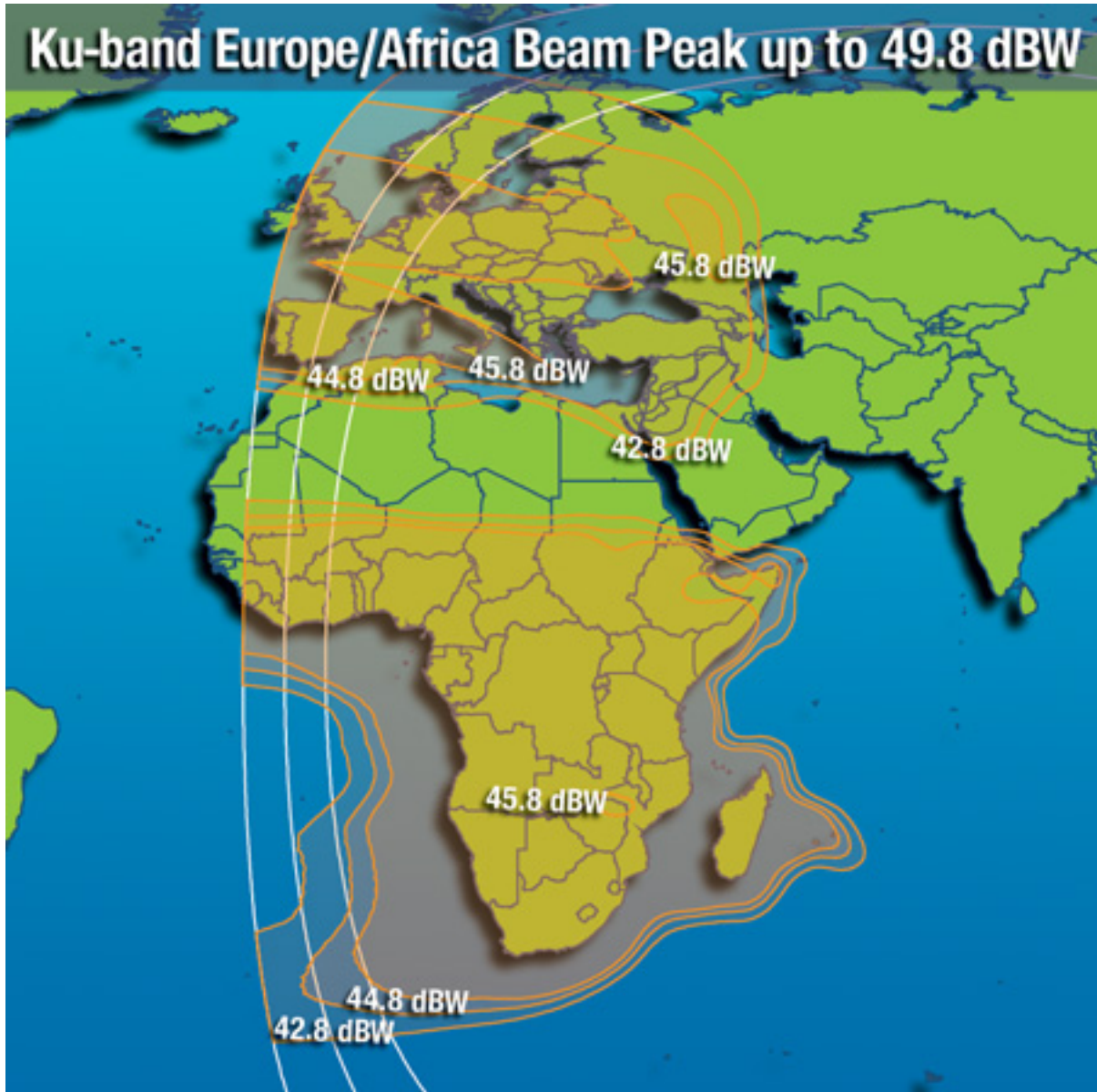


## Intelsat-20 Satellite Footprint Ku-band Europe/Middle-East/Central Asia Beam





### Intelsat-20 Satellite Footprint Ku-band Europe/Africa Beam



**Intelsat-20 Satellite Footprint Ku-band Russia Beam**





### Intelsat-20 Satellite Footprint Ku-band South Africa Beam

