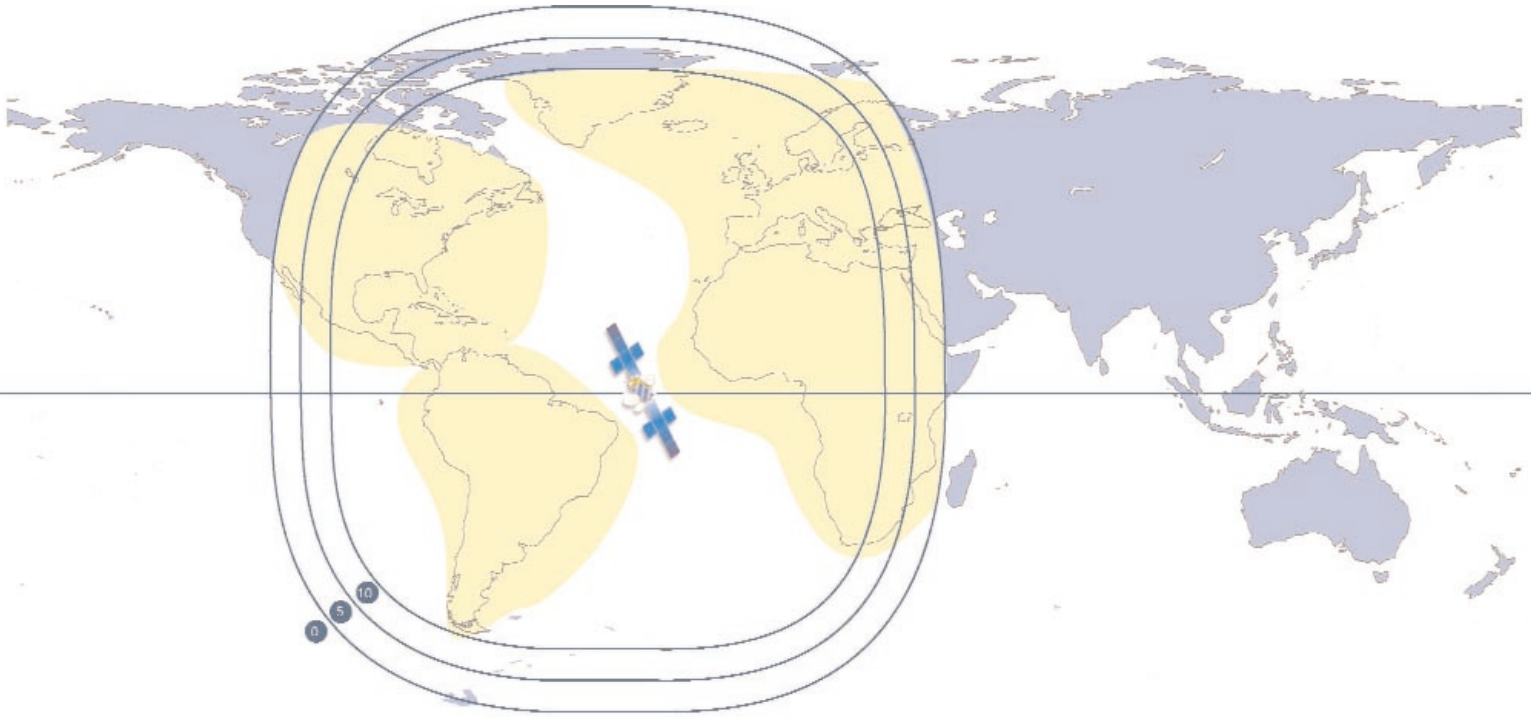


## WORLDSAT-2 AOR Satellite



Scheduled for launch in Q2 of 2004, this advanced high-powered C-band satellite will serve local, transcontinental and transoceanic customers throughout the Atlantic Region, including North America, the Caribbean, South America, Europe and Africa -- and provide links to the world's premier regional satellite systems.

WORLDSAT-2 (WS-2) will be available to broadcasters, cable programmers, Internet service providers, government agencies, educational institutions, carriers and private networks for next-generation communication and content distribution solutions. High-powered and state-of-the-art, WS-2 will offer unprecedented levels of performance.

### Satellite transponder information

<b>Spacecraft design</b>	Alcatel Spacebus 4000
<b>Orbital location</b>	37.5° W.L.*
<b>Polarization</b>	Dual-linear
<b>C-band payload</b>	72 x 36 MHz
<b>Amp type</b>	TWTA
	33 watts, North America Zone Beam
	67 watts, South America Zone Beam
	67 watts, Europe/ Africa Hemi Beam
<b>C-band frequencies</b>	5925 - 6425 MHz uplink
	3700 - 4200 MHz downlink
<b>Coverage</b>	Americas, Caribbean, Europe, Africa
<b>Receiver redundancy</b>	9 for 6
<b>Transponder redundancy</b>	30 for 24 per beam

## WORLD SAT-2 AOR Satellite

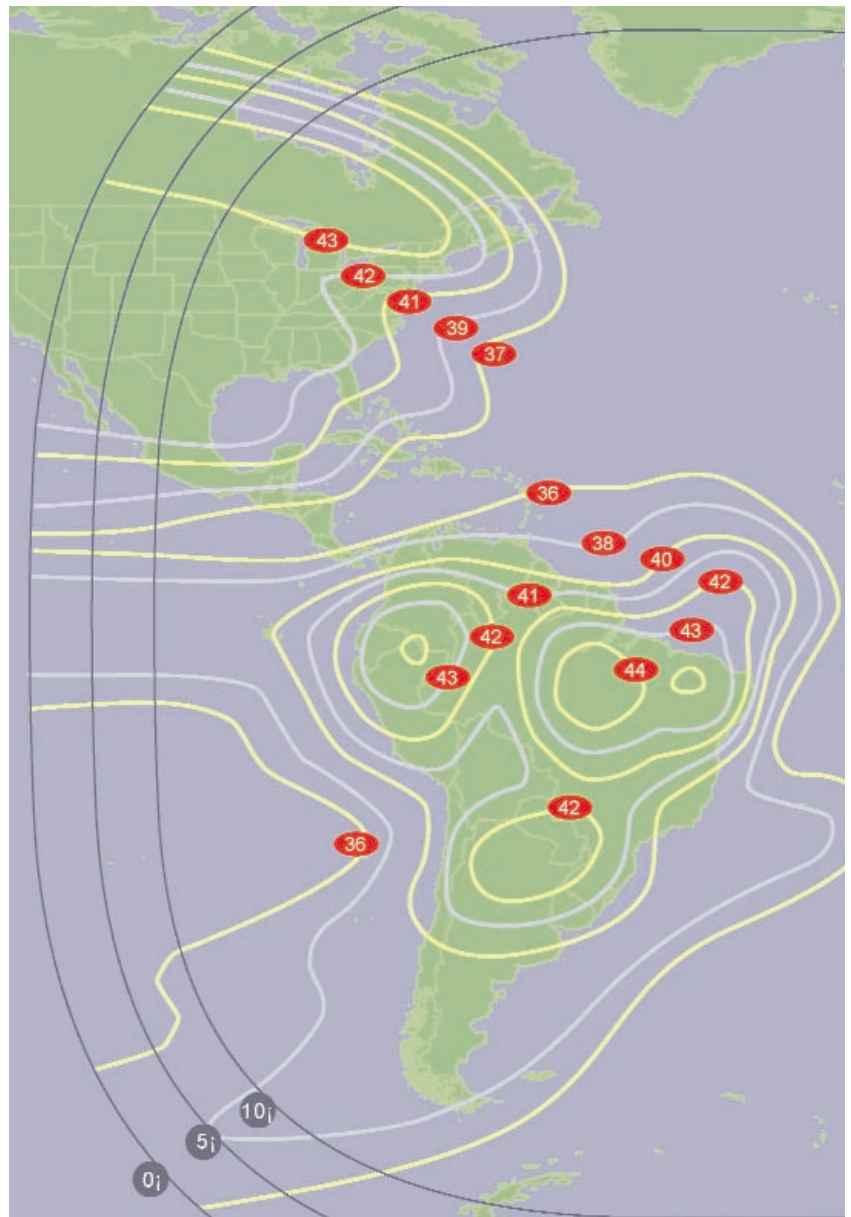
### Zone Beams: Predicted EIRP Performance

#### Satellite Performance

North America Zone Beam	EIRP	G/T	SFD	ELEV
New York	41.7	7.3	-105.1	30.00
Miami	40.2	0.4	-98.2	34.28
Montreal	43.4	6.7	-104.5	26.74
Dallas	42.7	2.7	-100.5	17.12
Denver	42.6	1.4	-99.2	8.54
Cheyenne, WY	42.6	1.4	-99.2	8.28
Mexico City	40.9	1.5	-99.3	18.33
Tegucigalpa, Hon.	35.7	-6.3	-91.4	31.41

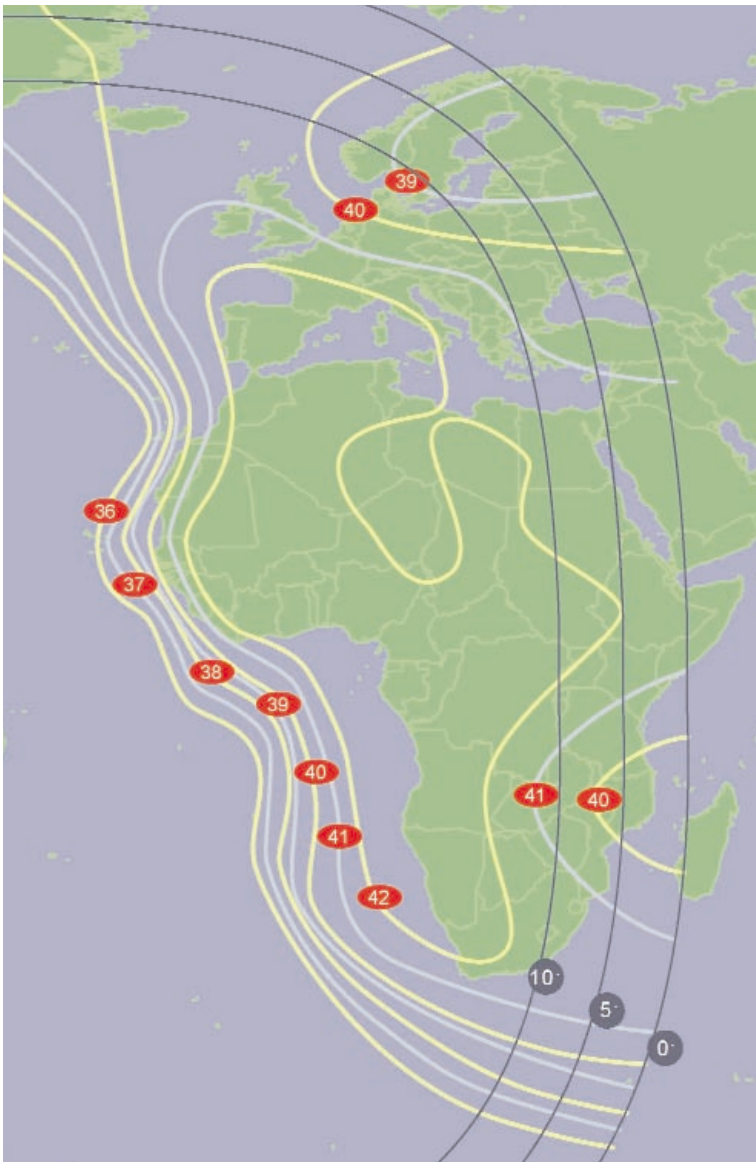
  

South America Zone Beam	EIRP	G/T	SFD	ELEV
Santiago, Chile	40.8	-2.5	-98.7	37.37
Rio de Janeiro, Br.	39.1	-0.8	-100.5	62.43
Fortaleza, Brazil	43.1	0.4	-101.7	85.40
Lima, Peru	42.2	-2.7	-98.5	42.53
La Paz, Bolivia	40.8	-1.3	-99.9	49.98
Quito, Ecuador	43.0	0.1	-101.4	42.61
Bogota, Colombia	41.4	-4.1	-97.1	47.28
Caracas, Venezuela	37.3	-9.8	-91.4	53.76



# WORLD SAT-2 AOR Satellite

## Hemi Beam: Predicted EIRP Performance



### Satellite Performance

Europe/Africa Hemi Beam	EIRP	G/T	SFD	ELEV
London, UK	41.0	-1.5	-95.0	21.60
Paris, France	41.3	-1.2	-95.3	22.31
Rome, Italy	42.0	-1.5	-95.1	20.46
Stockholm, Sweden	38.3	-2.8	-93.7	8.17
Athens, Greece	41.2	-2.2	-94.3	13.85
Nicosia, Cyprus	41.0	-3.1	-93.4	6.93
Kyiv, Ukraine	39.8	-3.4	-93.3	5.20
Cairo, Egypt	41.7	-3.0	-93.5	9.72
Lagos, Nigeria	42.9	3.0	-99.6	42.18
Dakar, Senegal	39.5	-5.3	-91.2	61.18
Nairobi, Kenya	41.0	-3.1	-93.4	7.03
Cape Town, S.A.	41.8	-0.5	-96.0	19.48

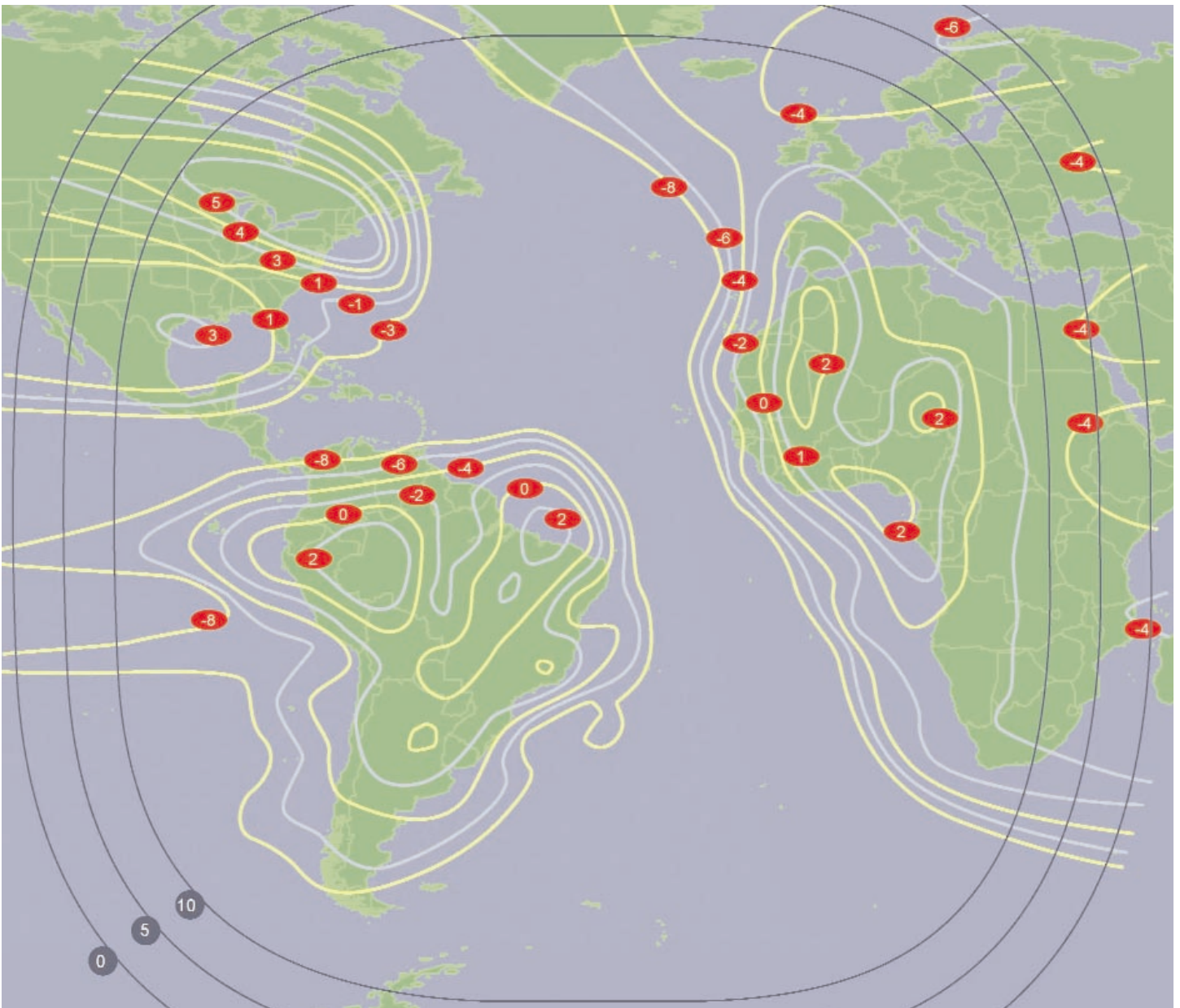
AMC-12's advanced design and high power levels will provide service with higher data throughput to smaller antennas. The beams may be interconnected through on-board switching on an individual transponder basis. Please contact your representative for details.

An SES GLOBAL Company



# WORLD SAT-2 AOR Satellite

## Combined Predicted G/T Performance



MAIN Office: 4 Research Way  
Princeton, NJ 08540, U.S.A.  
Tel +1-609-987-4555  
Fax +1-609-987-4517

Branch and representative offices in Bogotá, Hong Kong,  
Johannesburg, London, Rio de Janeiro, and Singapore  
[www.worldsat.net](http://www.worldsat.net)