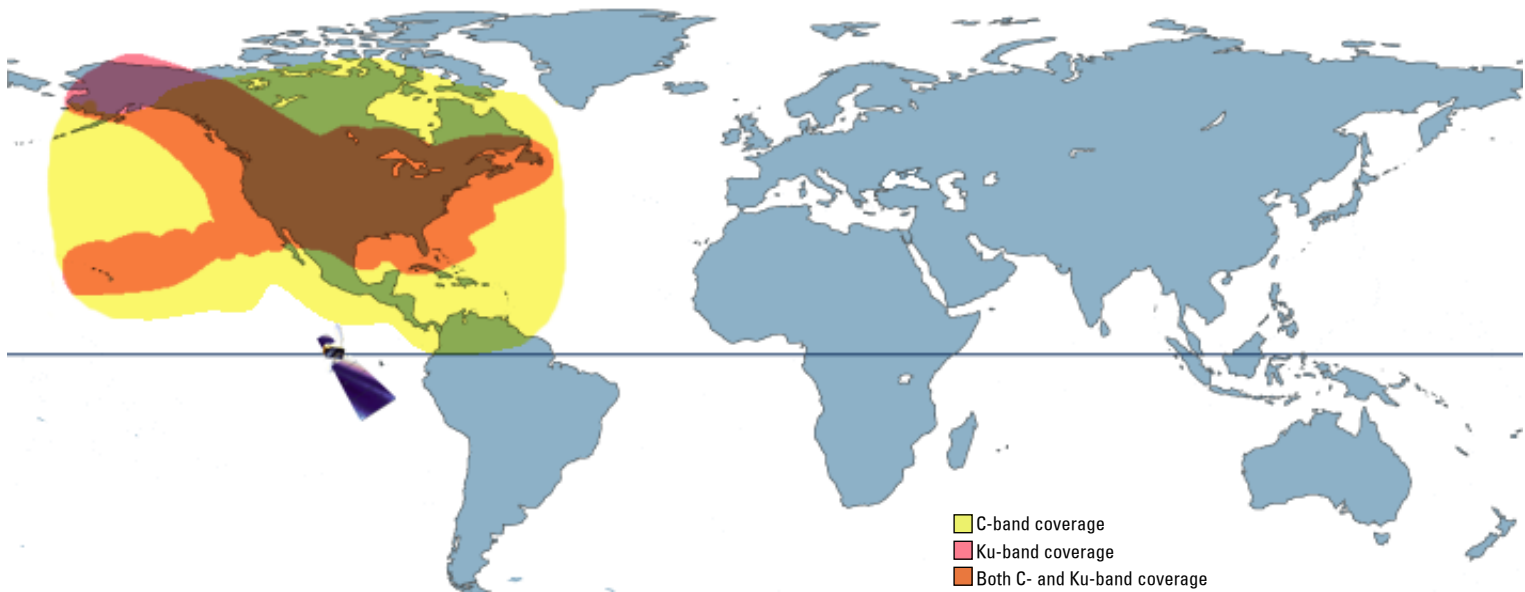


# AMC-1 SATELLITE

103° W.L. | Hybrid C/Ku-band | North America



AMERICOM-1 (AMC-1) was SES AMERICOM's first A2100 hybrid C- and Ku-band satellite. Already home for several nationally and regionally delivered C-band cable services, AMC-1, and AMC-4 at 101° W.L., form **Cable 2®**, the nation's newest premiere cable neighborhood. The close proximity of the two spacecraft permits both satellites to be received by a single ground antenna.

AMC-1's Ku-band payload serves a variety of broadcast, mobile, educational, enterprise and government customers.

Also available on AMC-1's C-band payload is DigitalC®, an end-to-end video MCPC solution providing programmers with access to more than 61 million households through thousands of cable headends reached via satellite.

DigitalC® features intra- and inter-satellite restoration protection, a widely-used compression platform (Scientific-Atlanta PowerVu®) and high-performance, 50-state coverage.

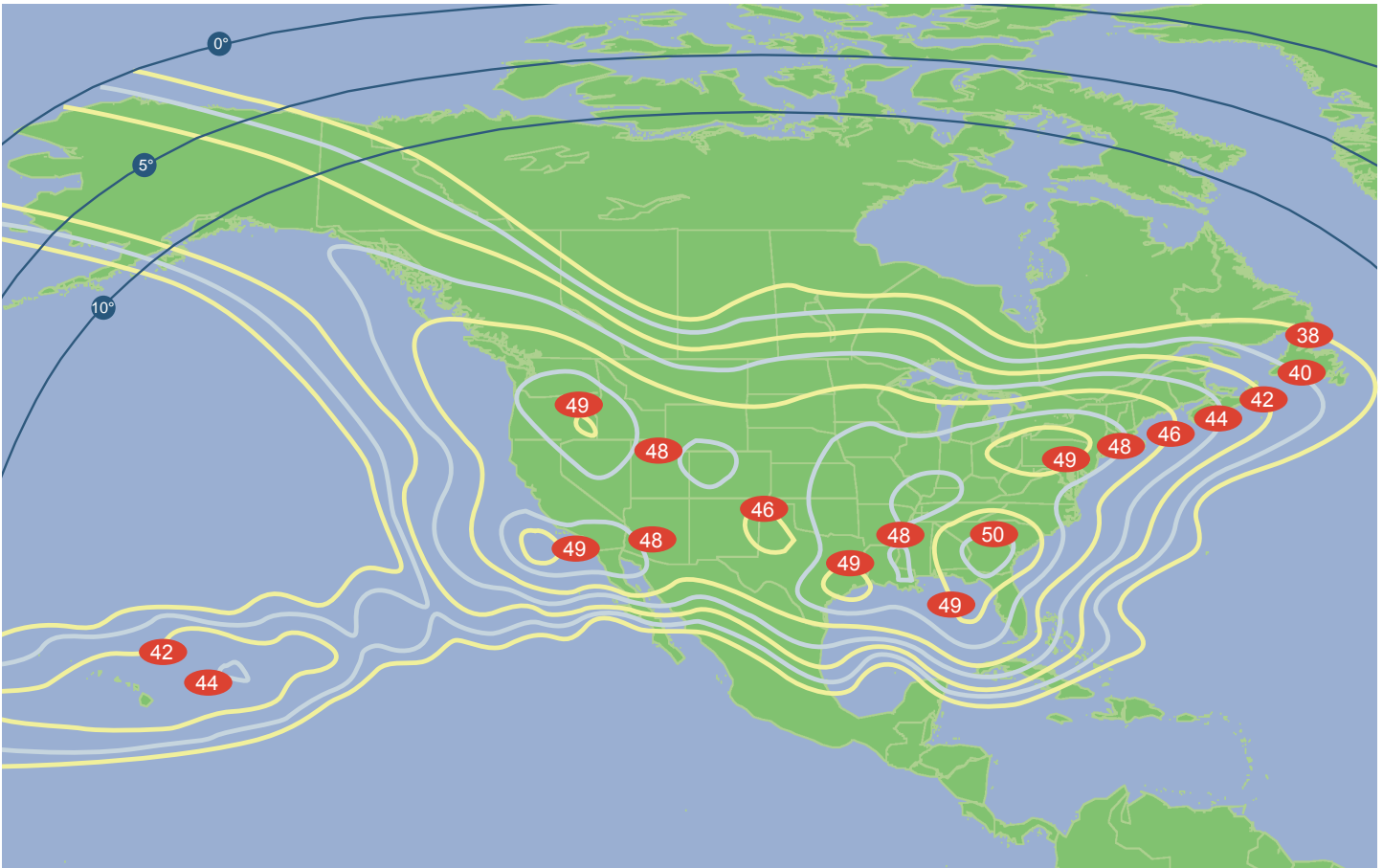
## Satellite transponder information

<b>Spacecraft design</b>	Lockheed Martin A2100
<b>Orbital location</b>	103° W.L.
<b>Design life</b>	15 years
<b>Launch Date/Vehicle</b>	September 8, 1996/Atlas IIA
<b>C-band payload</b>	24 x 36 MHz
Transponder type	SSPA, 12- to 18-watt (adjustable)
Amp redundancy	16 for 12
Receiver redundancy	4 for 2
Coverage	CONUS, Alaska, Hawaii, Mexico, Caribbean, Canada
<b>Ku-band payload</b>	24 x 36 MHz
Transponder type	TWTA, 60-watt
Amp redundancy	18 for 12
Receiver redundancy	4 for 2
Coverage	CONUS, Alaska, Hawaii, Northern Mexico, Southern Canada
Polarization Offset	26.0° CCW (viewed from the earth)

# AMC-1 SATELLITE

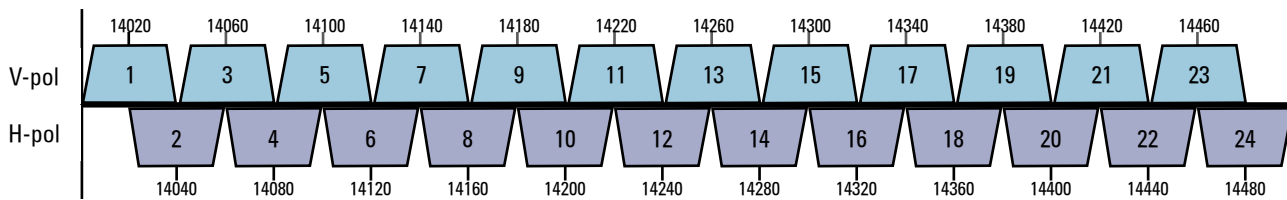
103° W.L. | Hybrid C/Ku-band | North America

## Typical minimum Ku-band EIRP

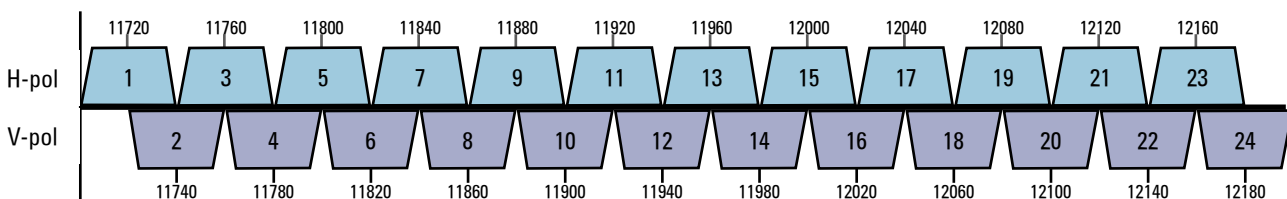


## Ku-band Frequency Plan

Uplink (MHz): 14000 - 14500



Downlink (MHz): 11700 - 12200



Beacon: 12198 MHz (H)