

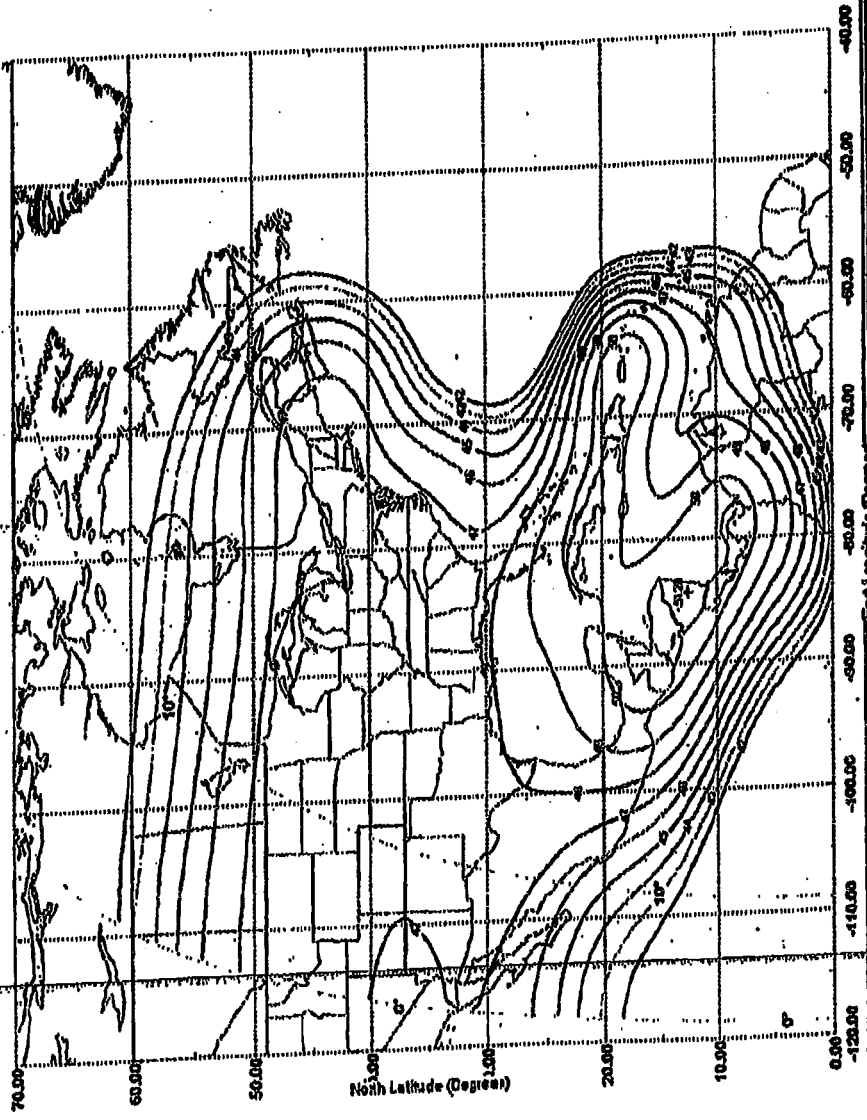
**EXHIBIT FOR AREAS OF OPERATIONS FOR KU-BAND EARTH STATIONS  
ON VESSELS CONTROLLED THROUGH SOUTHBURY TELEPORT HUB**

Exhibit

T-11N

**Telesat**

**US Beam EIRP Contours**



Telesat Proprietary

**Telesat**

**MAOR/NAOR Beam EIRP Contours**

Exhibit

T-11N

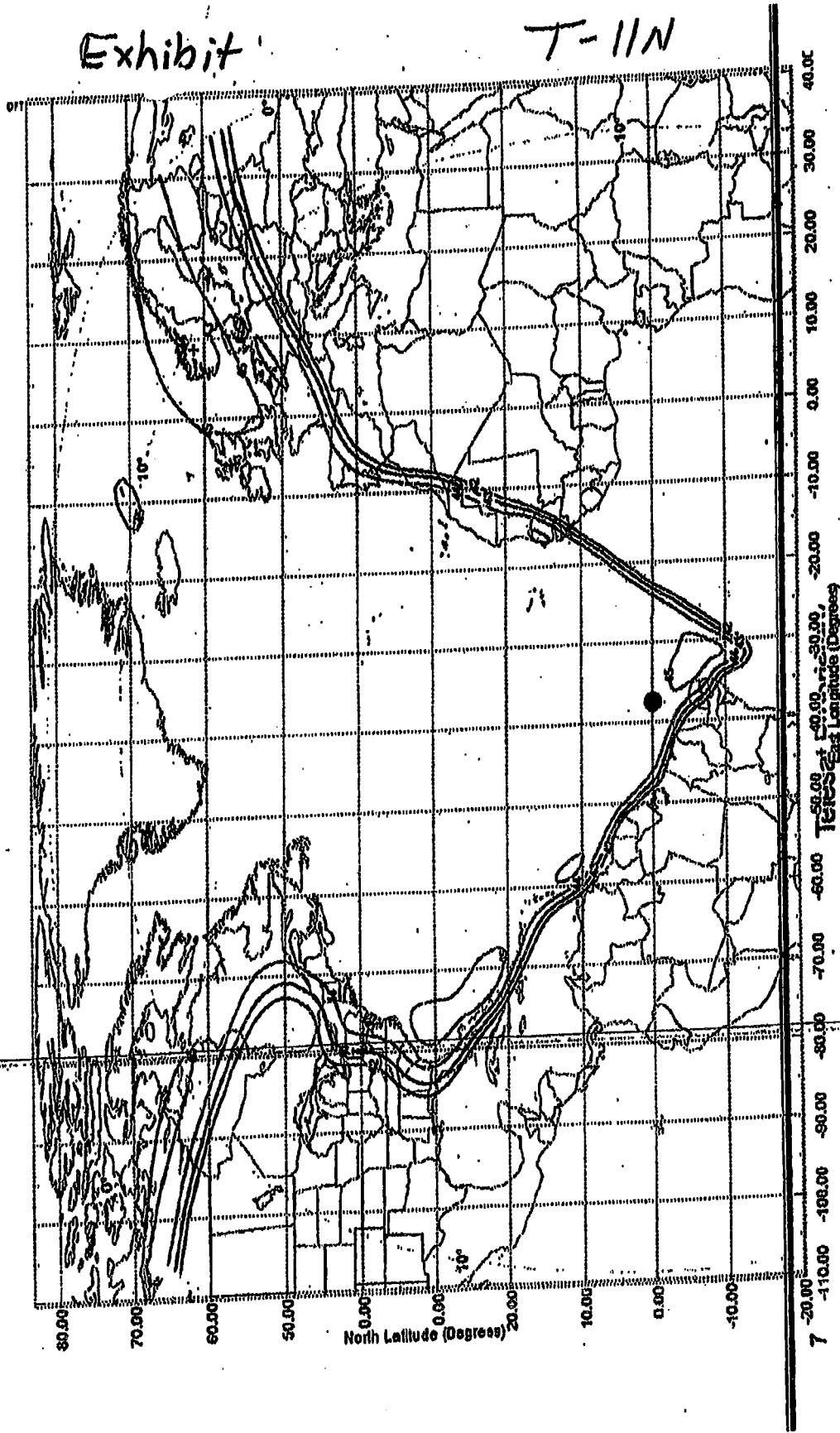


Exhibit AMC-21

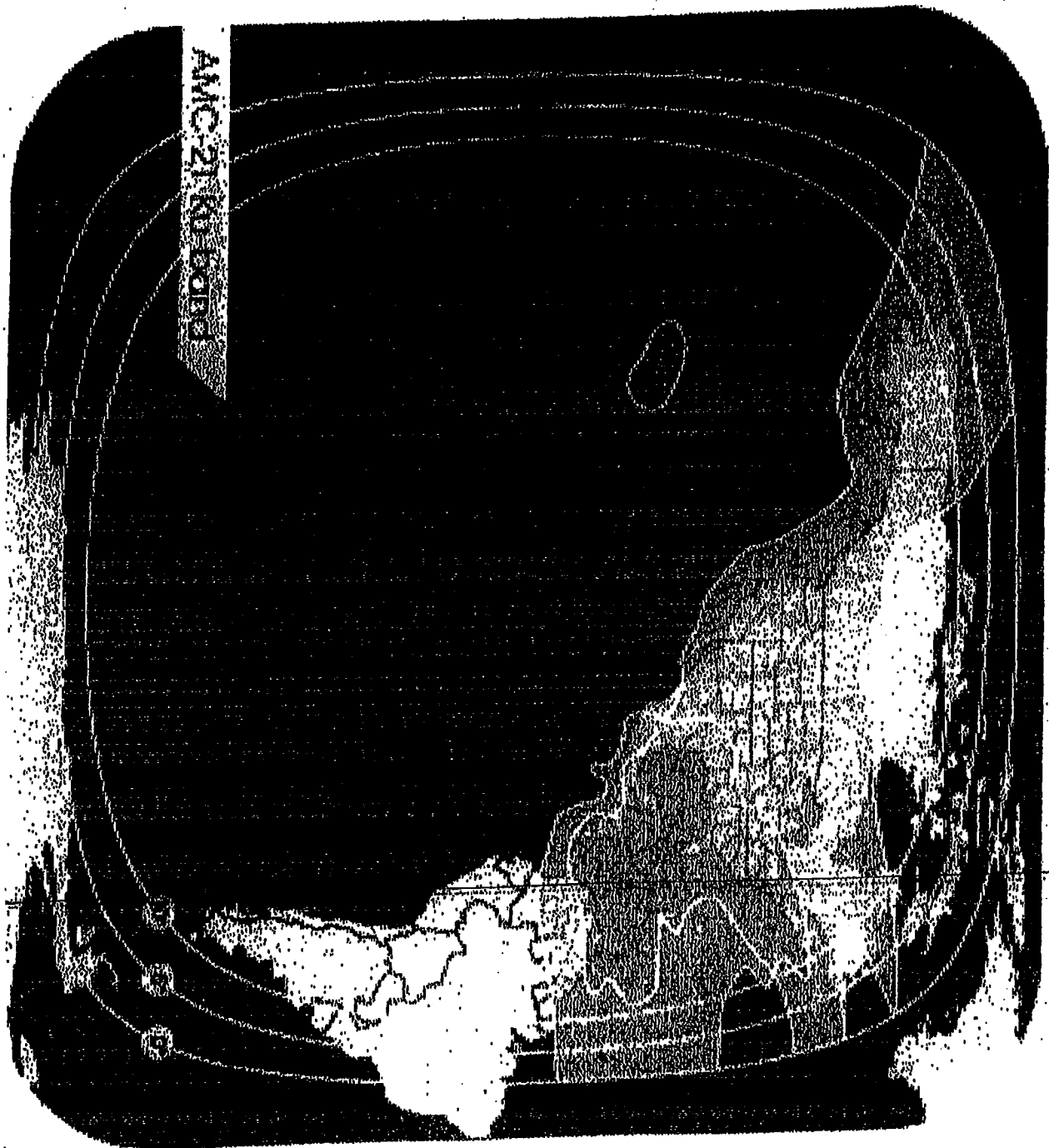
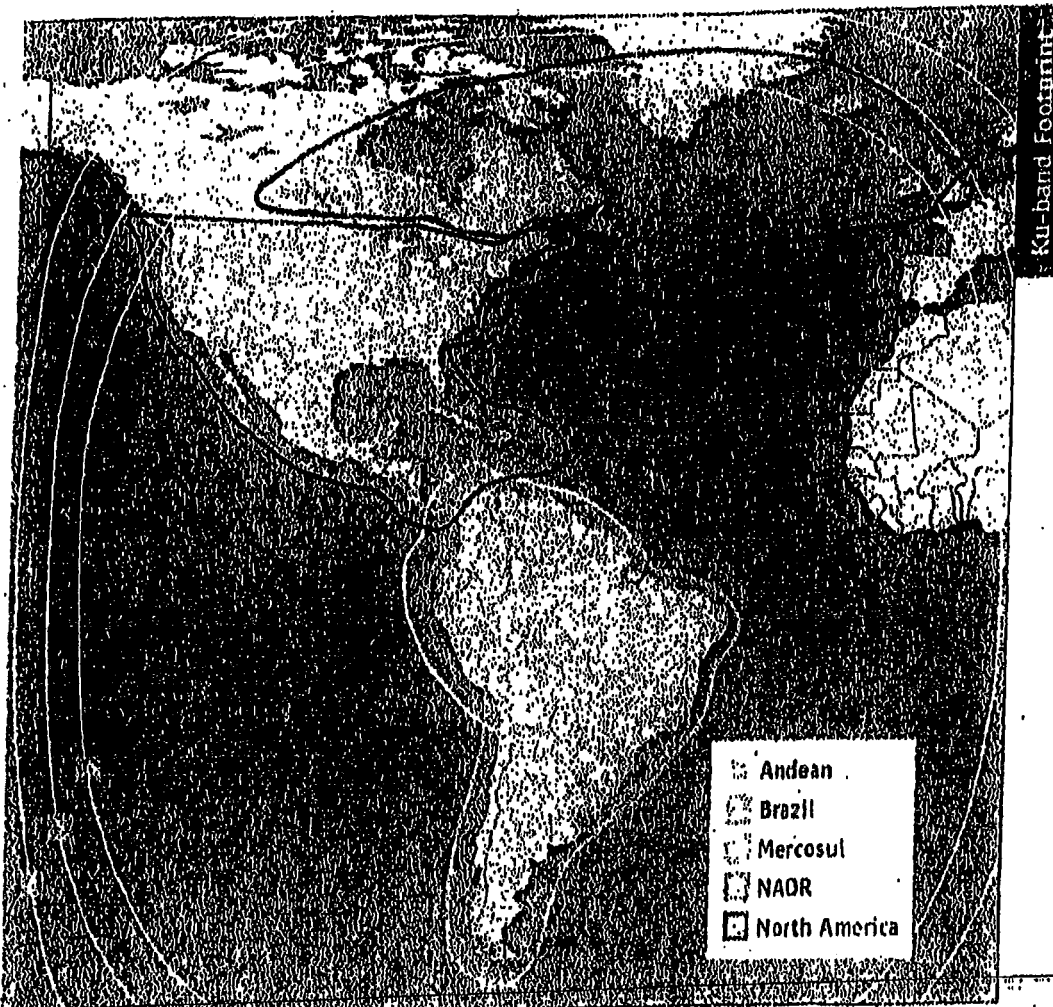


Exhibit NSS-7



# Exhibit

## ESTRELLA DO SUL 1



### u-band Payload

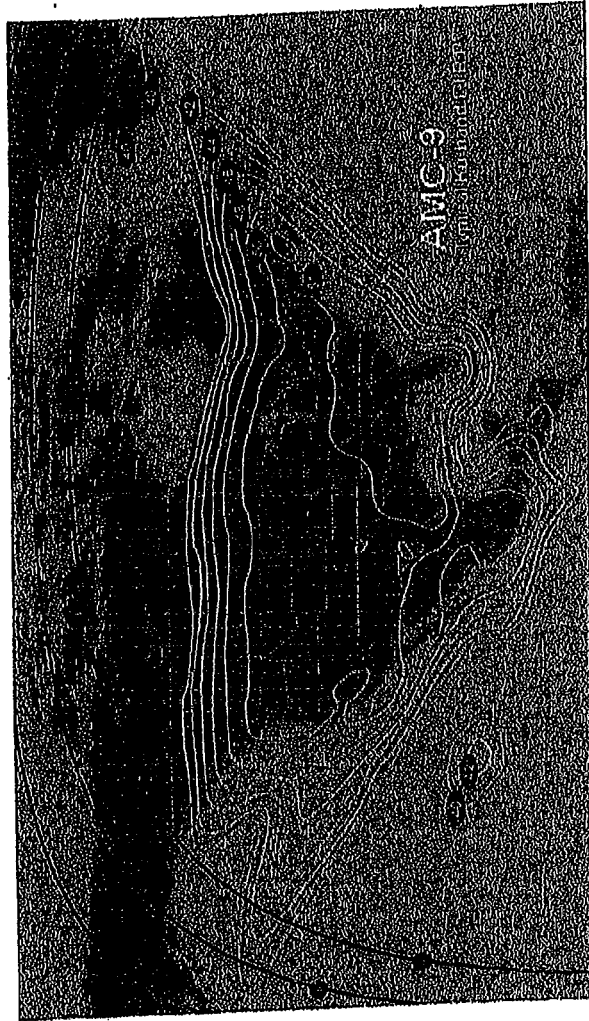
Capacity  
1 Mhz and 36 MHz  
2 x 10<sup>6</sup> bits/s  
Through Linear

Frequency  
Standard  
Uplink: 14 to 14.5 GHz  
Downlink: 11.7 to 12.2 GHz  
Extended  
Uplink: 11.75 to 14 GHz  
Downlink: 11.45 to 11.7 GHz

Satellite Power Budget  
68 W, 96 JOW/m

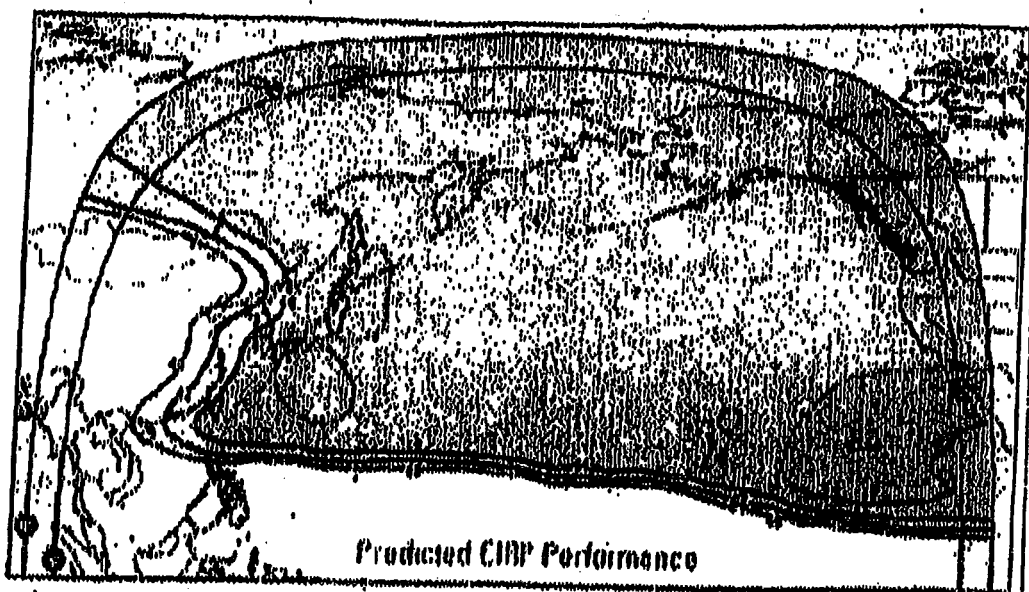
Exhibit

AMC-9

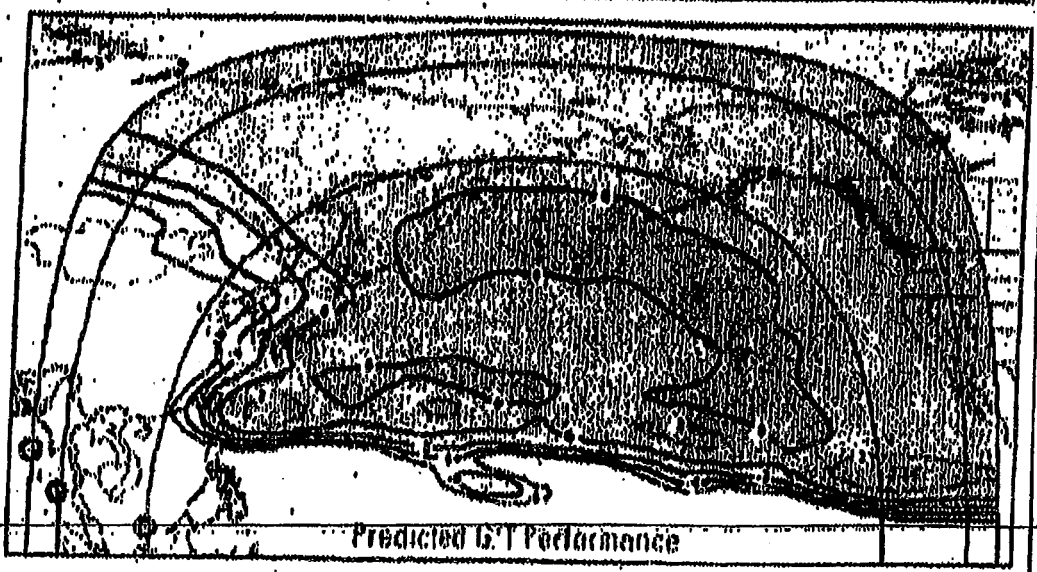


**AMC-23 / GE-23**  
**North Pacific Ku-band Zone Beam**

*Exhibit*



**Predicted C/NP Performance**



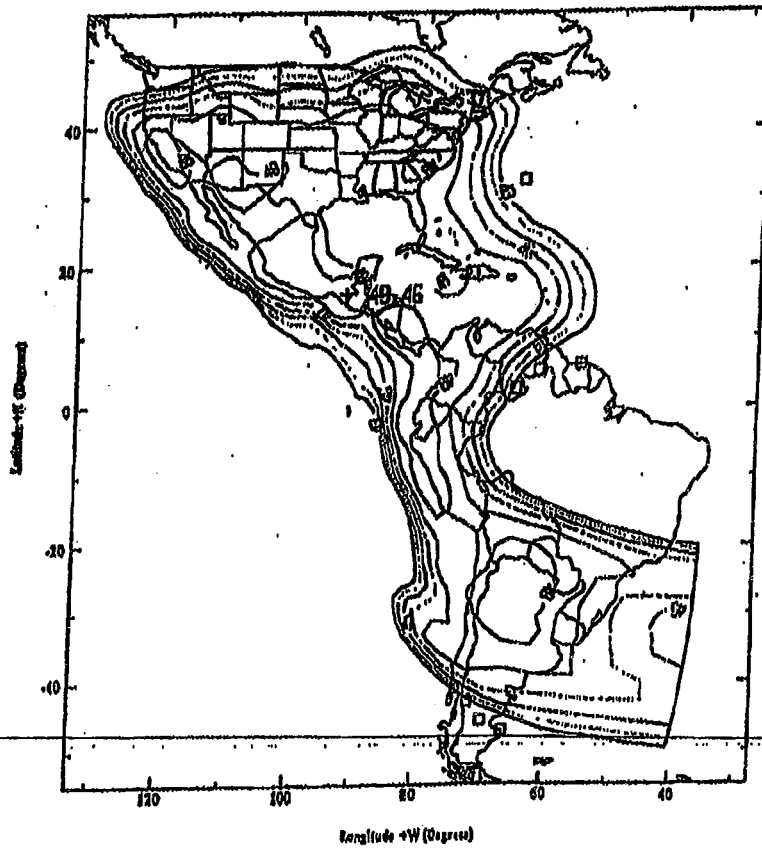
**Predicted G/T Performance**



Exhibit



**Satmex 5 (116.8° W)**  
**EIRP**  
**Region KU-2 Even Xponder**  
**(Pol. Hor/Ver)**



SATMEX PROPRIETARY INFORMATION