

## **AREAS OF OPERATIONS EXHIBIT**

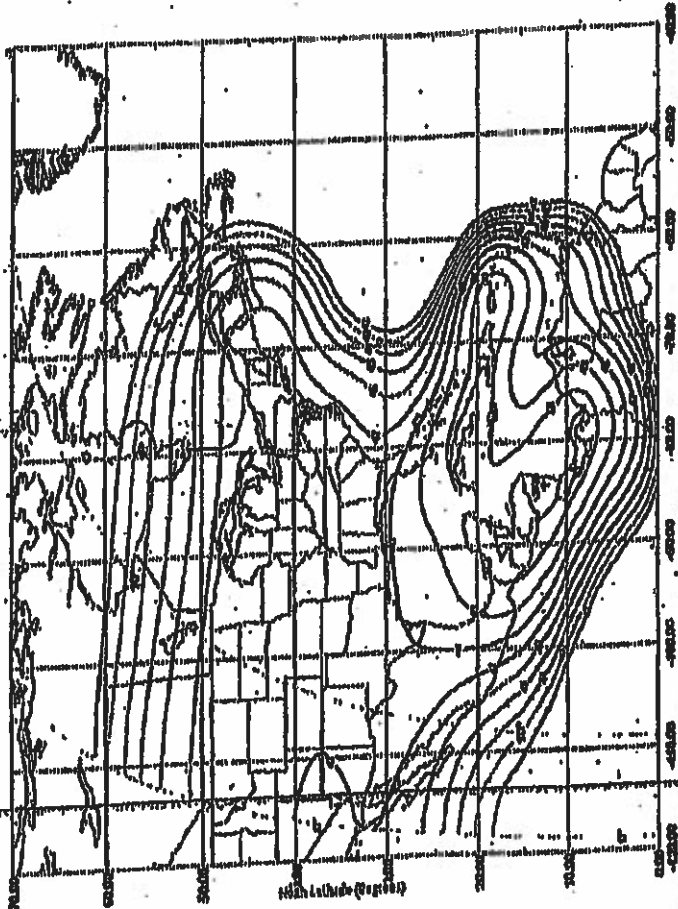
Maps showing areas of operation for ASGI Earth Station on  
Vessels operated pursuant to the KA313 license ESV  
authorization.

Exhibit

T-11N

**Telesat**

**US Beam EIRP Contours**



Telesat Proprietary

**MAOR/NAOR Beam EIRP Contours**



Exhibit

T-11N

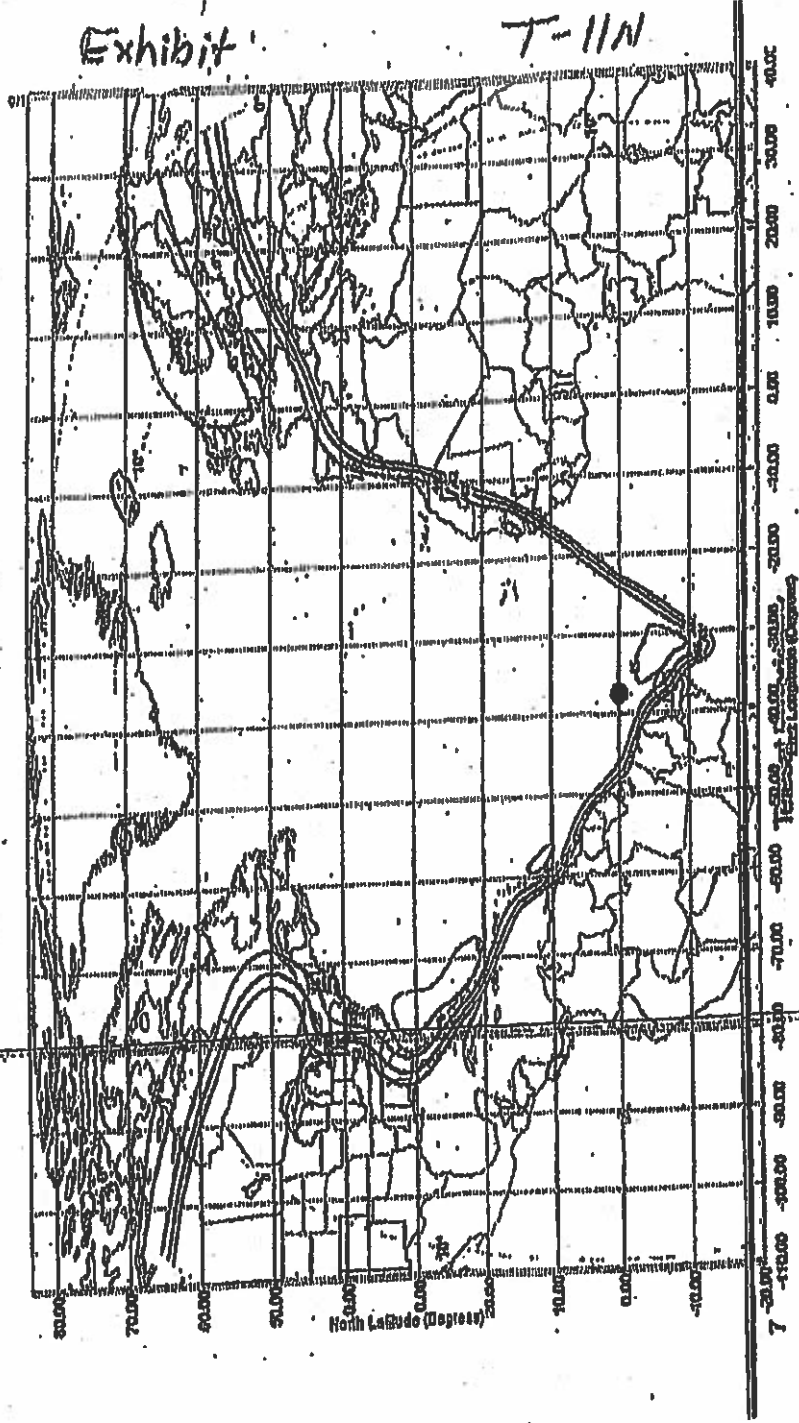
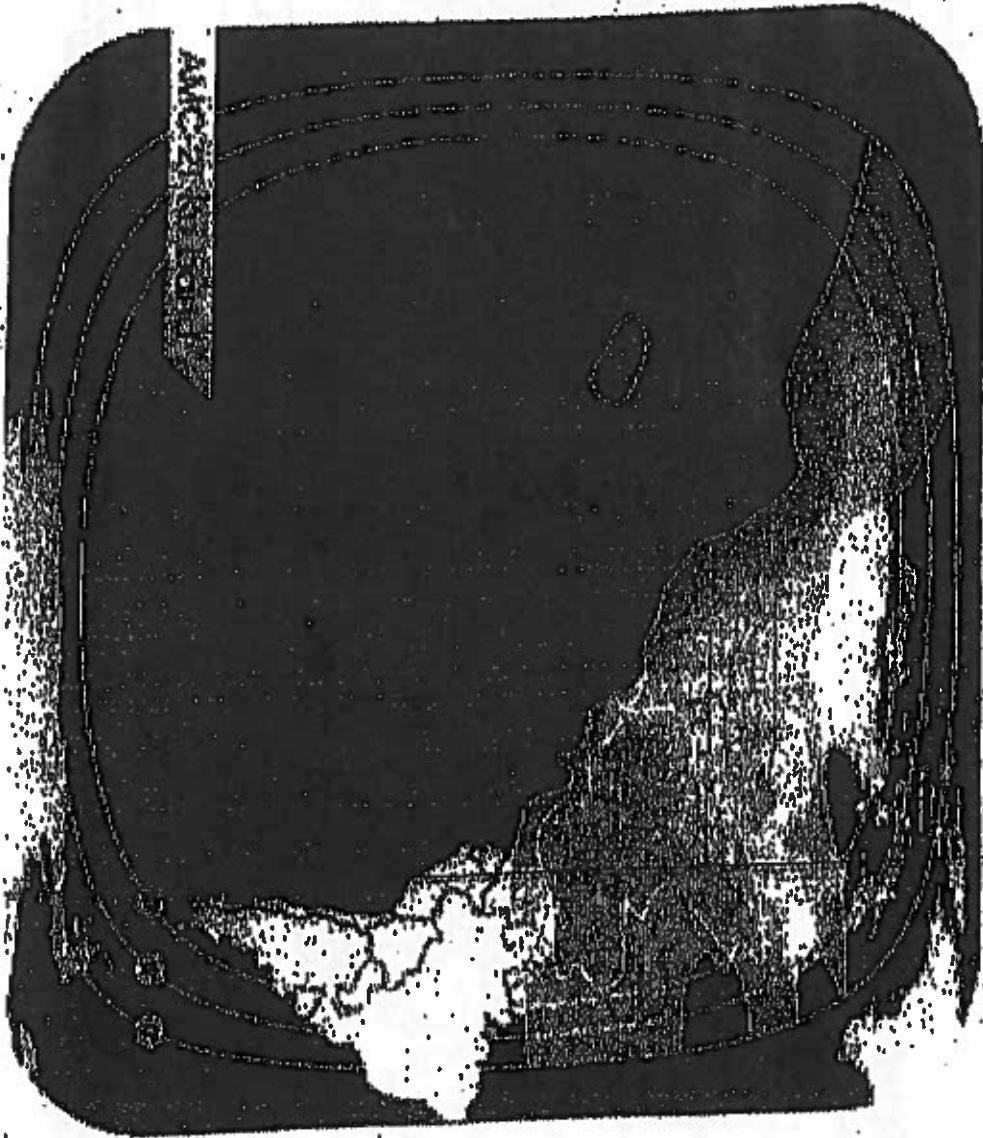


Exhibit AMC-21

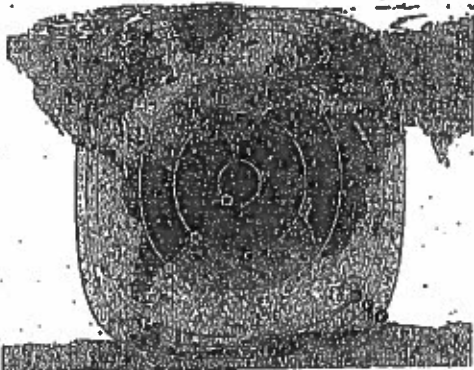


# Exhibit

**SES-4**  
**338°E**

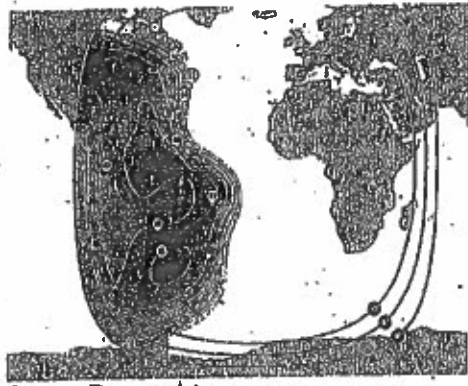
**Oribital location**

**Global C-band beam**



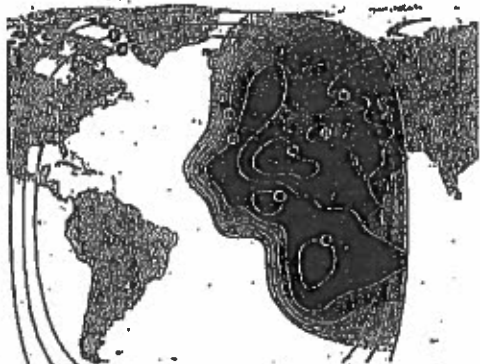
○ ERP ● Elevation angle

**West Heml C-band beam**



○ ERP ● Elevation angle

**East Heml C-band beam**



○ ERP ● Elevation angle

**North America Ku-band beam**

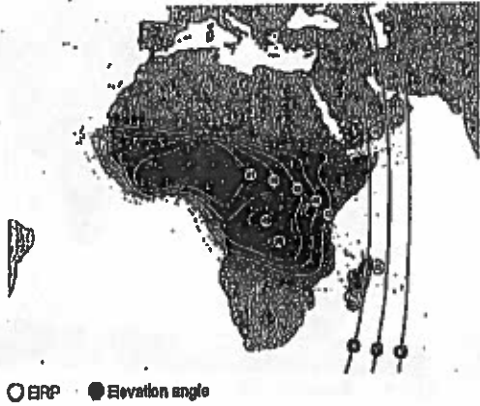


○ ERP ● Elevation angle

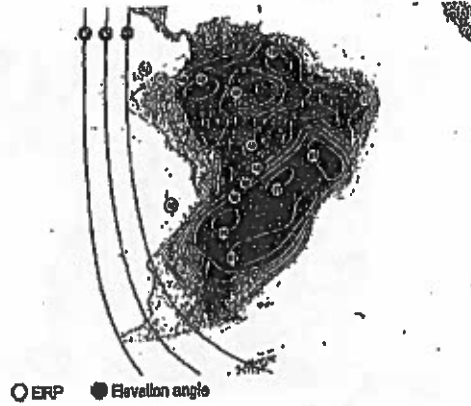
# SES-4 338°E

Orbital location

West Africa Ku-band beam



Southern Cone Ku-band beam



Europe Middle East Ku-band beam

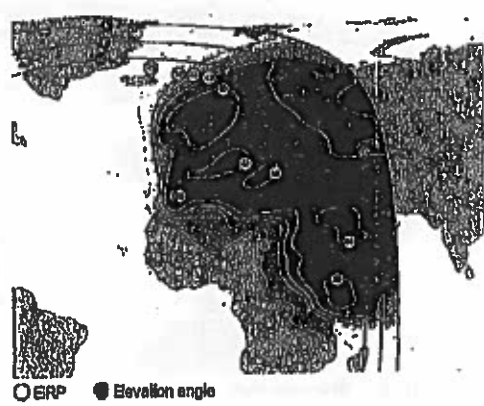
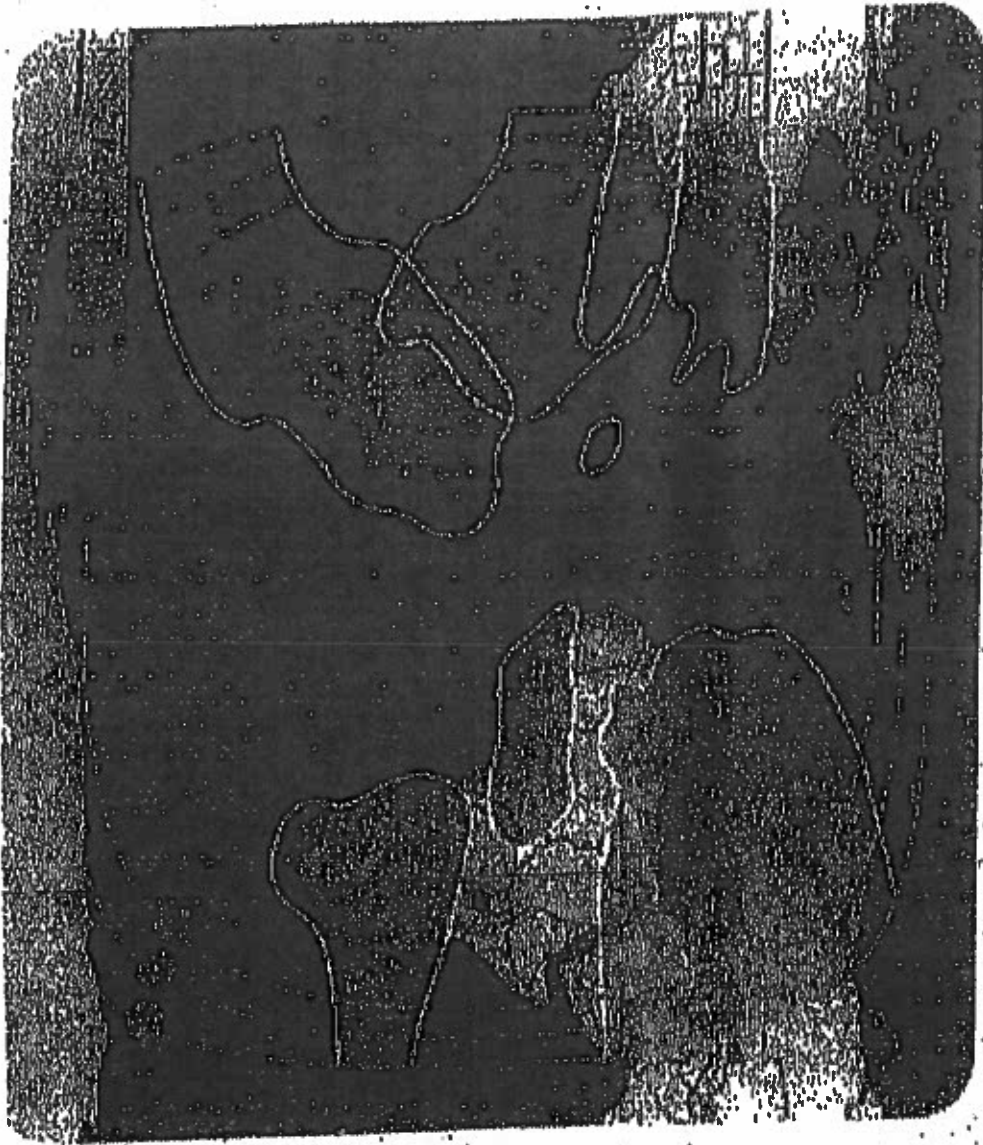
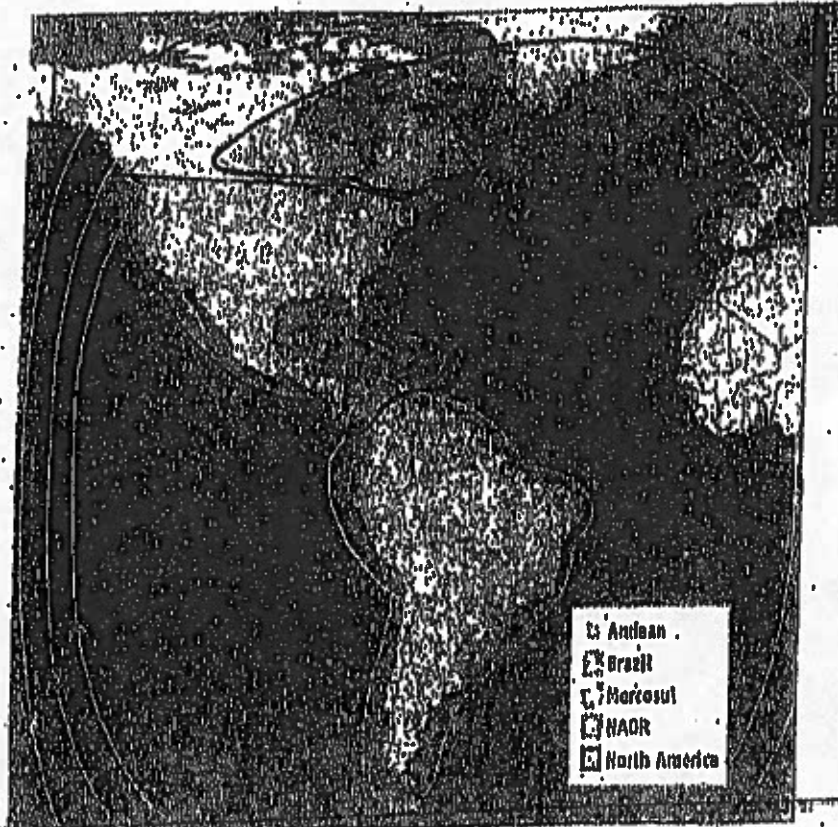


Exhibit NSS-7



# Exhibit

## ESTRELLA DO SUL 1



### U-band Payload

14.4-16.4  
1.44 to 16.44  
1.44 to 16.44  
16.44 to 16.44

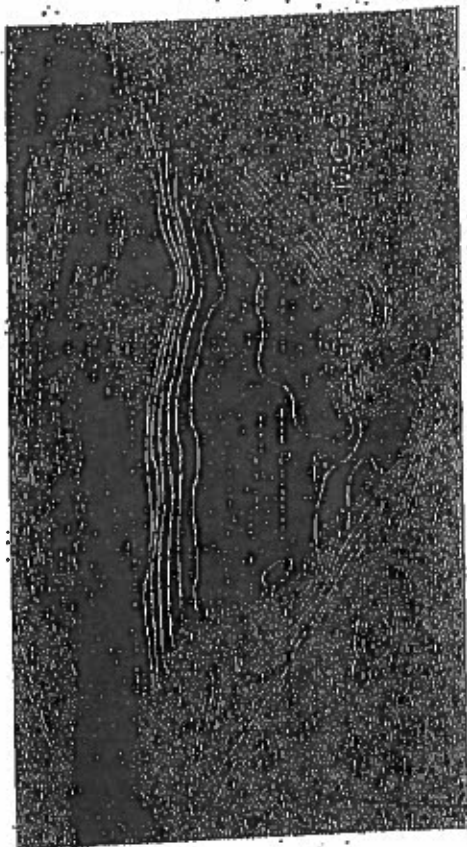
1.44 to 16.44  
Standard  
Uplink: 16 to 16.4 GHz  
Downlink: 14.4 to 16.4 GHz  
Extended  
Uplink: 1.44 to 16.4 GHz  
Downlink: 14.4 to 16.4 GHz

Satellite in Orbit  
01/12/98 00:00:00



Exhibit

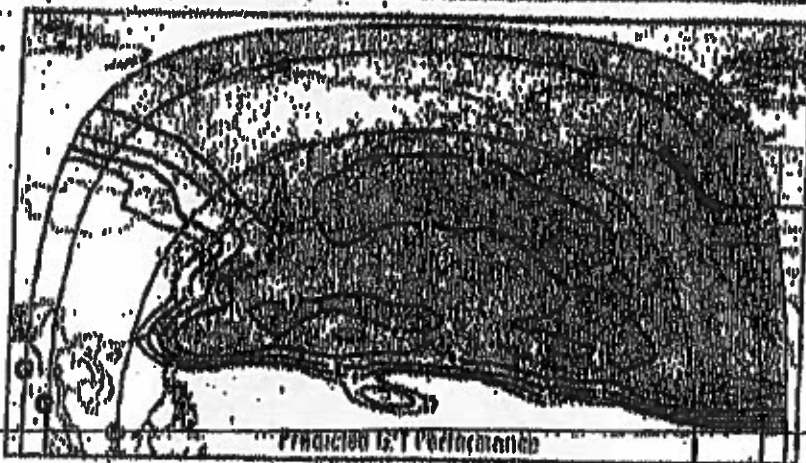
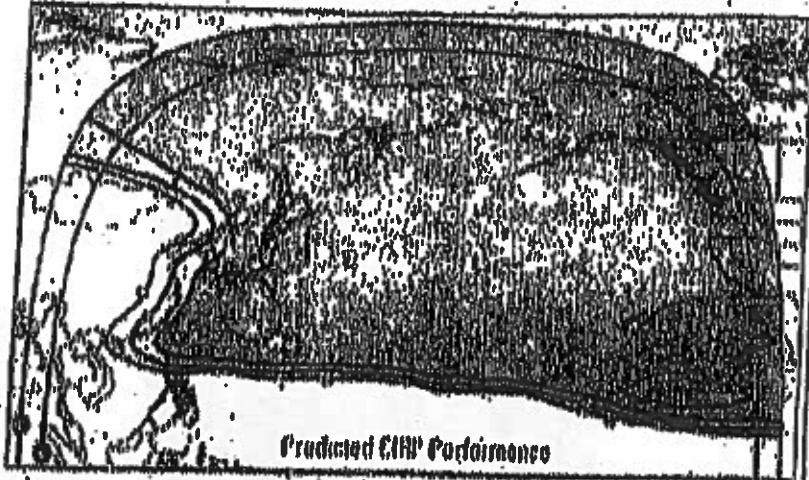
AMC-9



AMC-23 / GE-23

North Pacific Ku-band Zone Beam

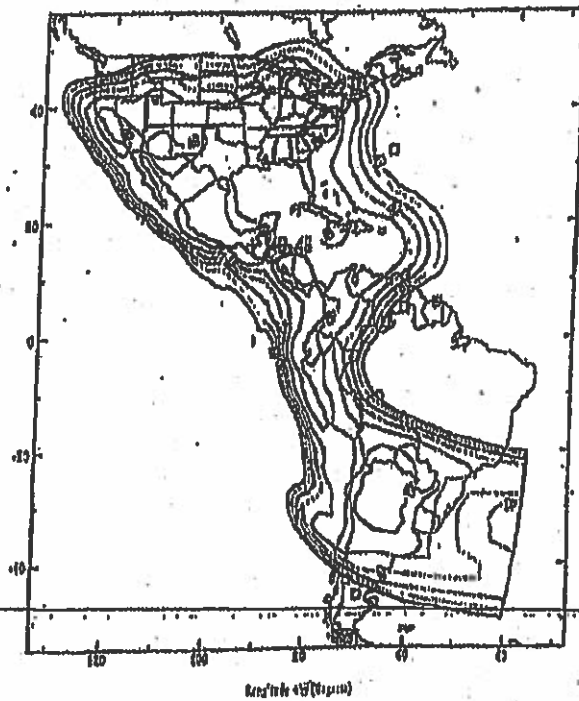
Exhibit



Exhibit



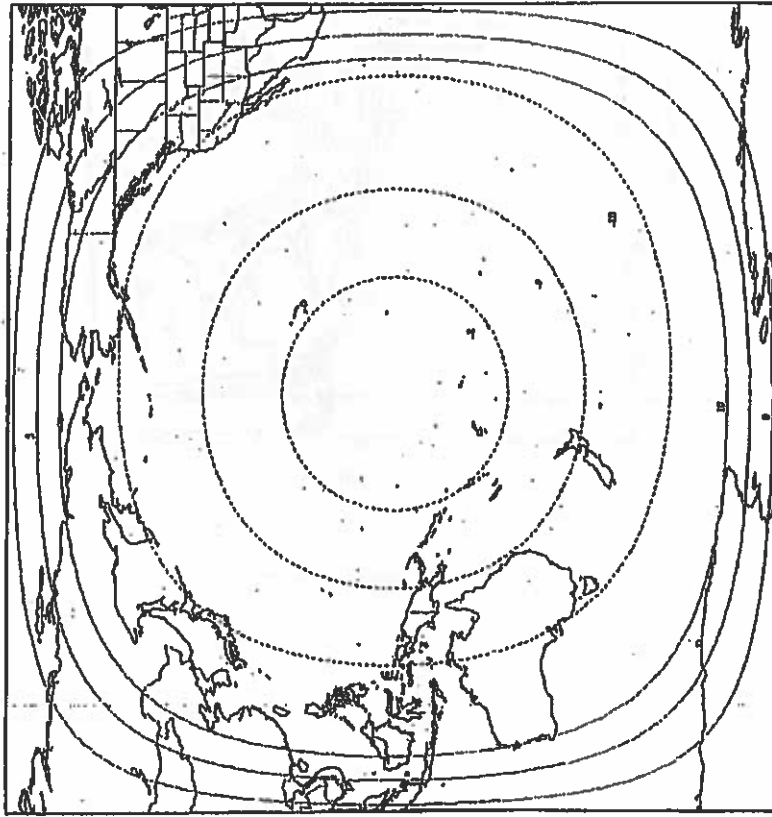
Satmex 5 (116.8° W)  
EIRP  
Region KU-2 Eyon Xpander  
(Pol. Hor/Vor)



SATMEX PROPRIETARY INFORMATION

# C-Band Global Beam G/T

Exhibit NSS-9



Contours Shown		
G/T [dB/K]	Max SFD [dBW/m <sup>2</sup> ]	Min. SFD [dBW/m <sup>2</sup> ]
-8	-93	-78
-9	-92	-77
-10	-91	-76

-7.3 Beam Peak

**Notes**  
 The adjacent plot shows the predicted performance of a typical satellite transponder. Small performance differences should be expected between individual transponders.

# IS-21 at 302°E - Ku-Band Mobility\*

