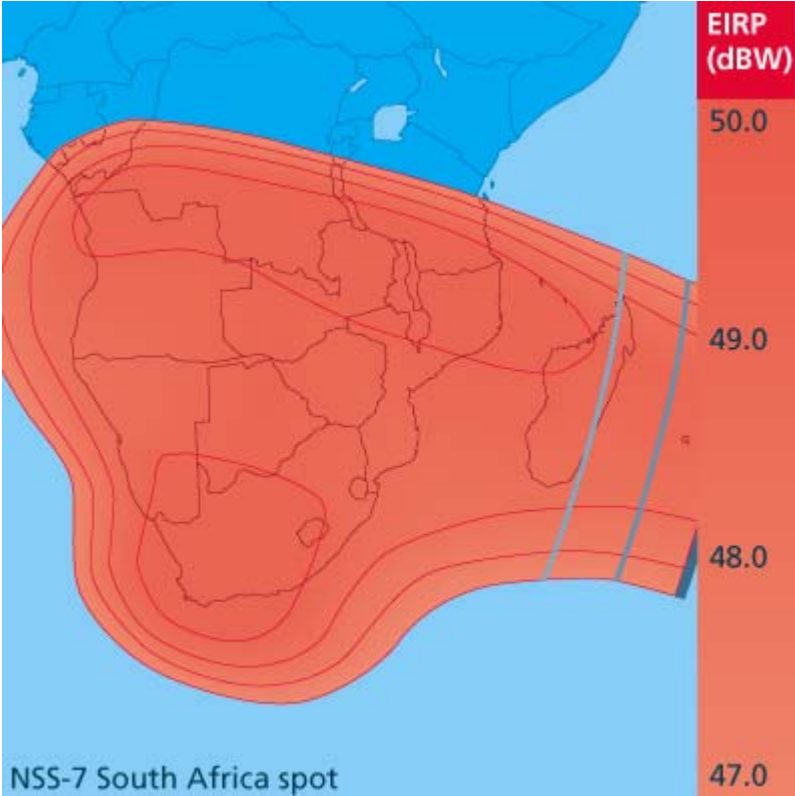


Satellite Data | NSS-7

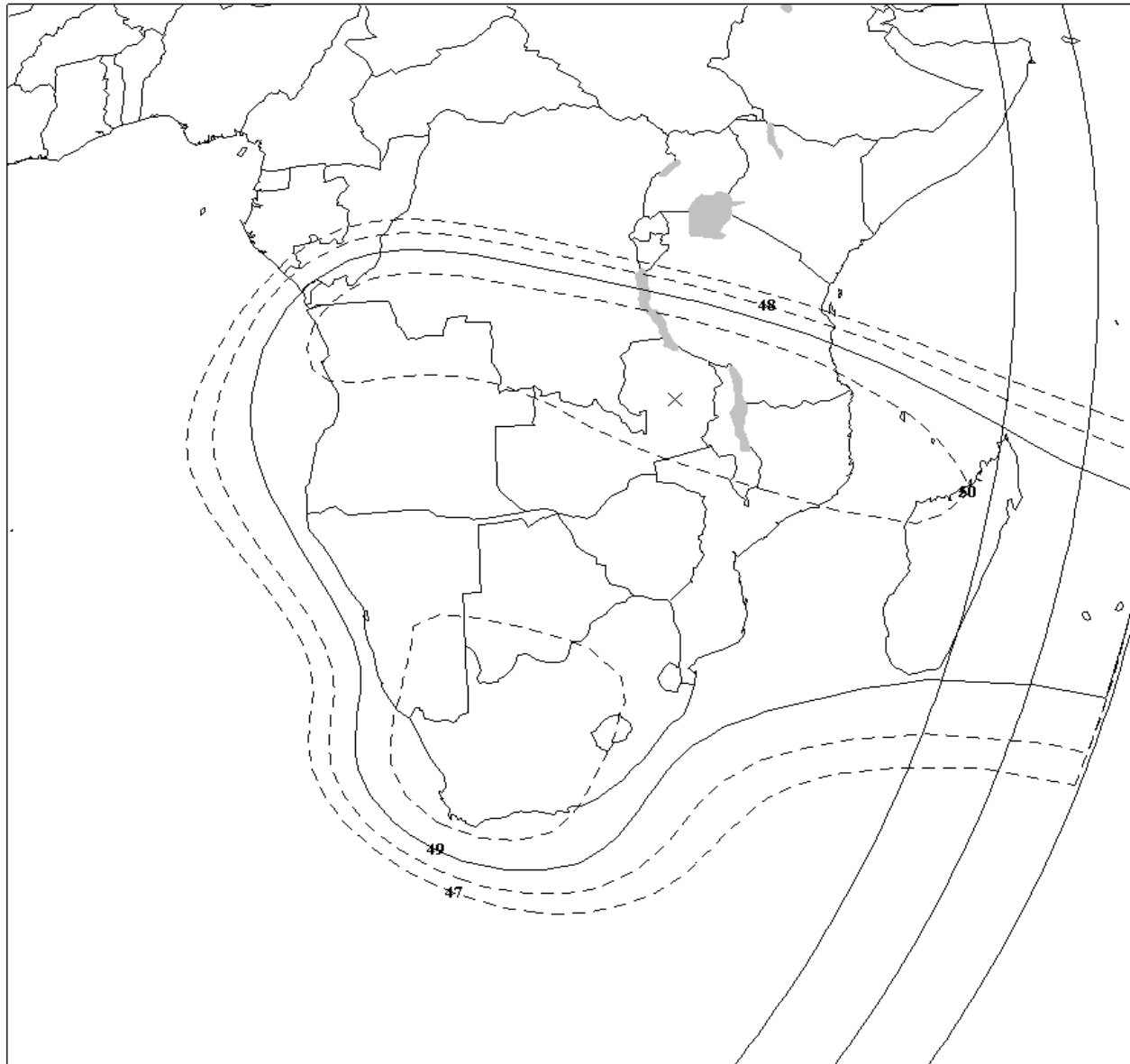
Manufacturer:		Lockheed Martin
Orbital Location:		338° East
Launch Date:		April 2002
Number of Transponders (physical):		C-Band: 36 Ku-Band: 36
Number of Transponders (36 MHz Equivalent):		97
EIRP at Beam Centre:		C-Band: 36 to 45 dBW Ku-Band: 47 to 51dBW
Frequency Band:	C-Band Uplink:	5850 to 6425 MHz
	C-Band Downlink:	3625 to 4200 MHz
	Ku-Band Uplink:	14.0 to 14.5 GHz
	Ku-Band Downlink:	-----
	Americas	11.7 to 12.2 GHz
	Europe & Africa	10.95 to 11.20 GHz, 11.45 to 11.70 GHz, & 12.5 to 12.75 GHz



NSS 7 @ 338.0 Deg ° E



Southern Africa (SA) Beam



Transmit Coverage

Contours Shown	EIRP [dBW]
	50.0
	49.0
	48.0
	47.0

Remarks

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

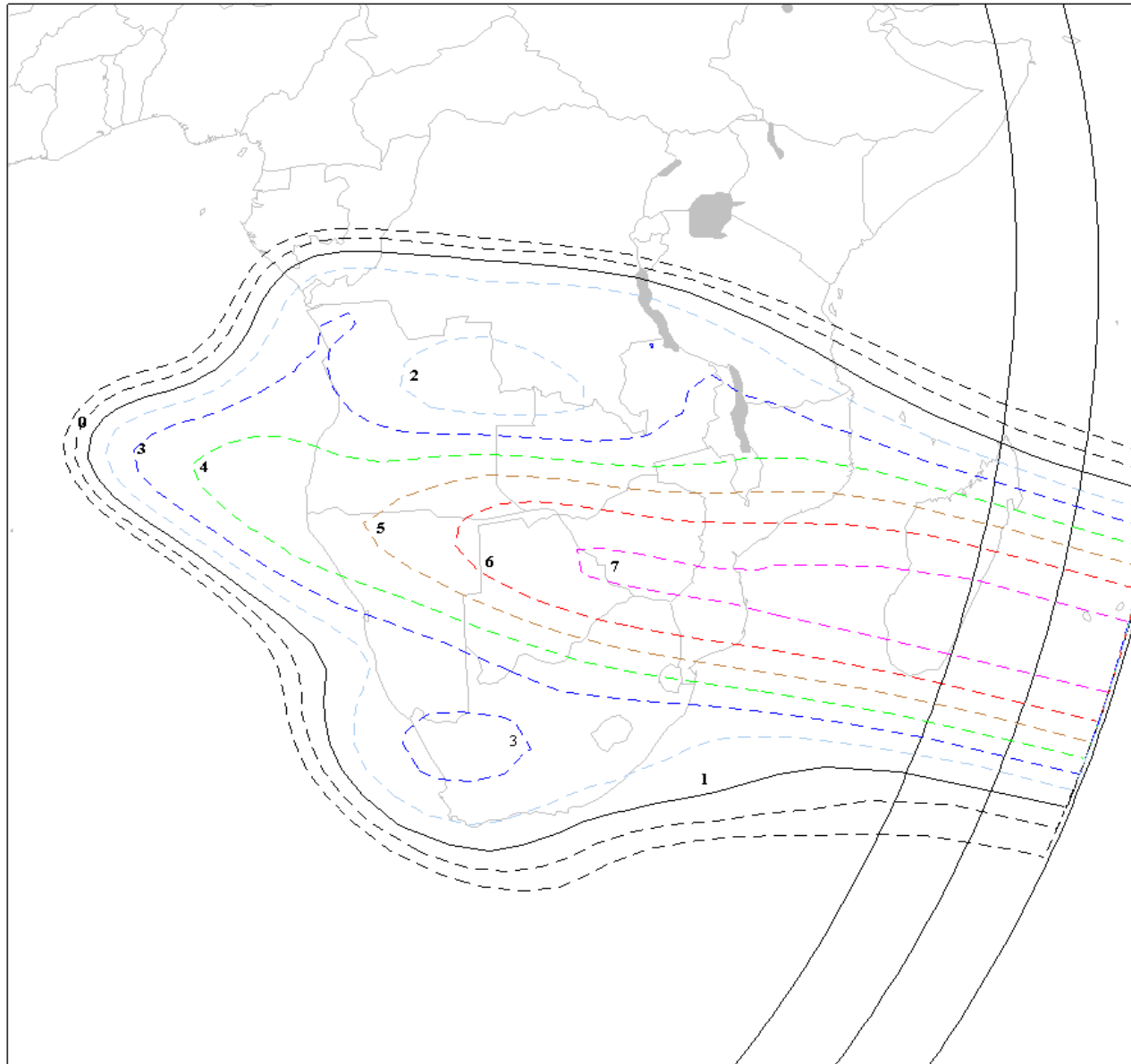
The 49 dBW contour line represents the nominal edge of coverage. For operation beyond this contour, co-channel interference levels should be assessed on a case by case basis.

Elevation Angles Shown at 0, 5 and 10 Degrees

NSS 7 @ 338.0 Deg ° E



South Africa Ku (SA) Beam



Receive Coverage

Contours Shown

G/T dB/K	SFD dBW/m ²
7.0	-98
6.0	-97
5.0	-96
4.0	-95
3.0	-94
2.0	-93
1.0	-92
0.0	-91
-1.0	-90

Notes

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

The 1 dB/K contour line represents the nominal edge of coverage. For operation beyond this contour, co-channel interference levels should be assessed on a case by case basis.

Elevation Angles Shown at 0, 5 and 10 Degrees