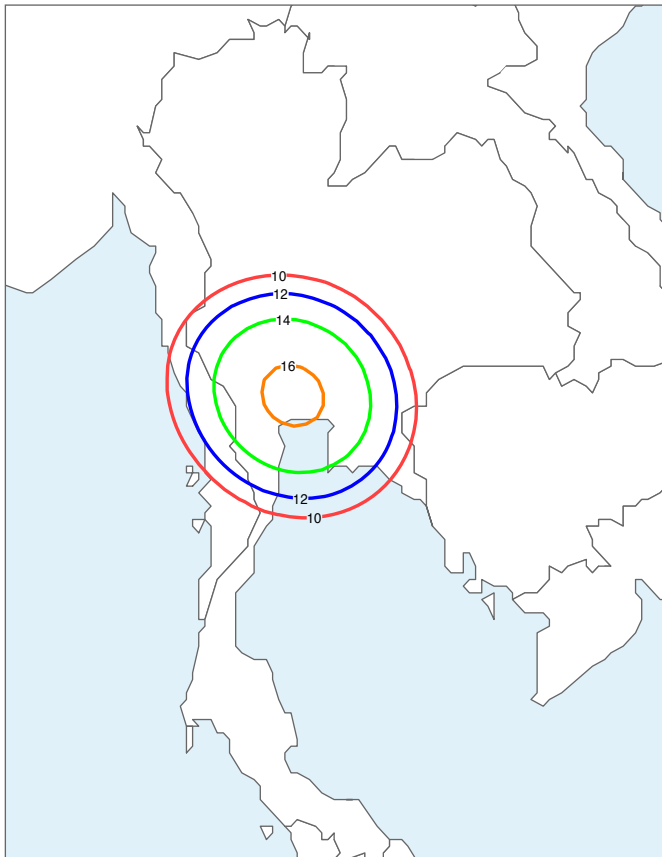
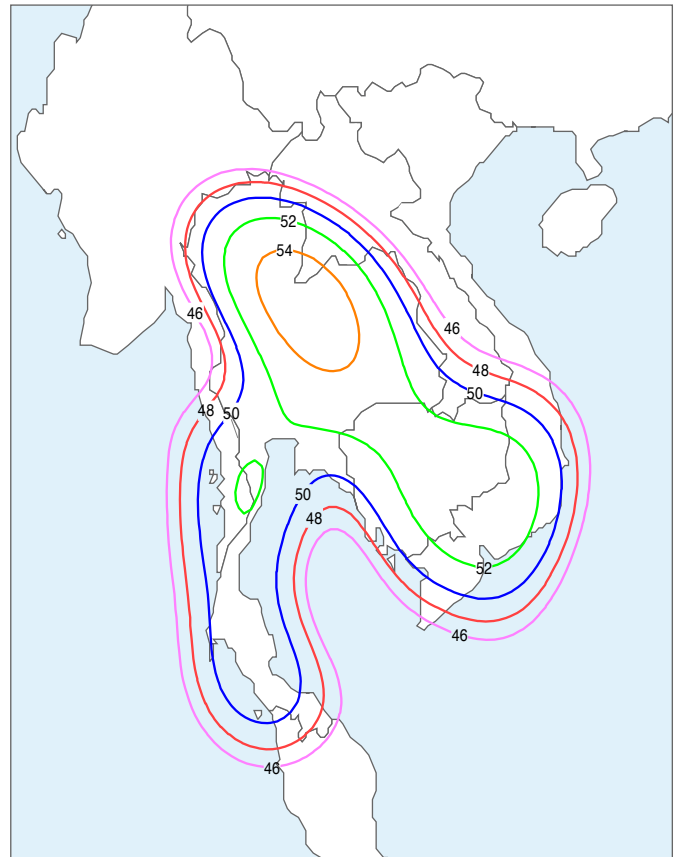


Thailand Broadcast Beam



Uplink Contour



Downlink Contour

Geographic Coverage	Thailand
Frequency Range	Uplink (H): 13.775 - 13.895 GHz Downlink (V): 11.500 - 11.620 GHz
Transponder Bandwidth	120 MHz
EIRP at operation back-off	55 dBW
-3.5 dB (at peak) per 120 MHz	
G/T at peak	16.3 dB/K
Equivalent Capacity*	DVB-S1: 92 Mbps DVB-S2: 100 Mbps

**Thaicom-4 (IPSTAR)
Broadcast Solutions**

- Direct to Home (DTH) Service
- High Definition TV (HDTV)
- Backhaul and Backup Link for TV/Cable Operator

*Equivalent Capacity is calculated based on

- DVB technology
- Modulation Code: QPSK 1/2
- 7.6m Ku-band Uplink Antenna



Thaicom-4 (IPSTAR) Description

Orbital Location	119.5° East
Launch Date	11 August 2005
Life Expectancy	At least 12 Years

www.ipstar.com