

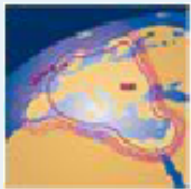
HELLAS SAT 2 technical specifications:

Spacecraft	ASTRIUM Eurostar 2000+ platform
Orbital Position	39° East
Launch Date	13th May 2003
Expected Lifetime	15 years
Ku-Band Payload	30 x 36 MHz transponders plus 8 redundant
Power	TWTAs 105 Watts
Downlink Frequencies	10.95 to 11.20 GHz 11.45 to 11.70 GHz 12.50 to 12.75 GHz
Uplink Frequencies	13.75 to 14.50 GHz
Coverage	Fixed over Europe Steerable over South Africa & Middle East
Beams	F1 & F2 in Europe (18 transponders) S2 in Middle East (6 transponders) S1 in South Africa (6 transponders)
Downlink EIRP	55 dBW max. for F1, F2 52.5 dBW max. for S1, S2
Uplink G/T	+11 dB/K max. for F1, F2 +5.5 dB/K max. for S1, S2
Redundancy	3:2 for F1 2:1 for F2 2:1 for S1 3:2 for S2 38:30 total TWTA

SATELITE COVER MAP



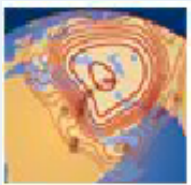
F2 EIRP map →



F1 EIRP map →



S1 EIRP map →



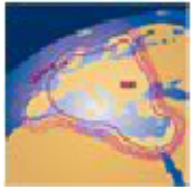
S2 EIRP map →



SATELITE COVER MAP



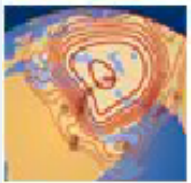
F2 EIRP map →



F1 EIRP map →



S1 EIRP map →



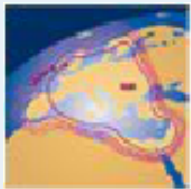
S2 EIRP map →



SATELITE COVER MAP



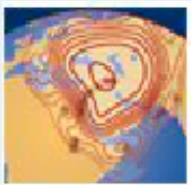
F2 EIRP map →



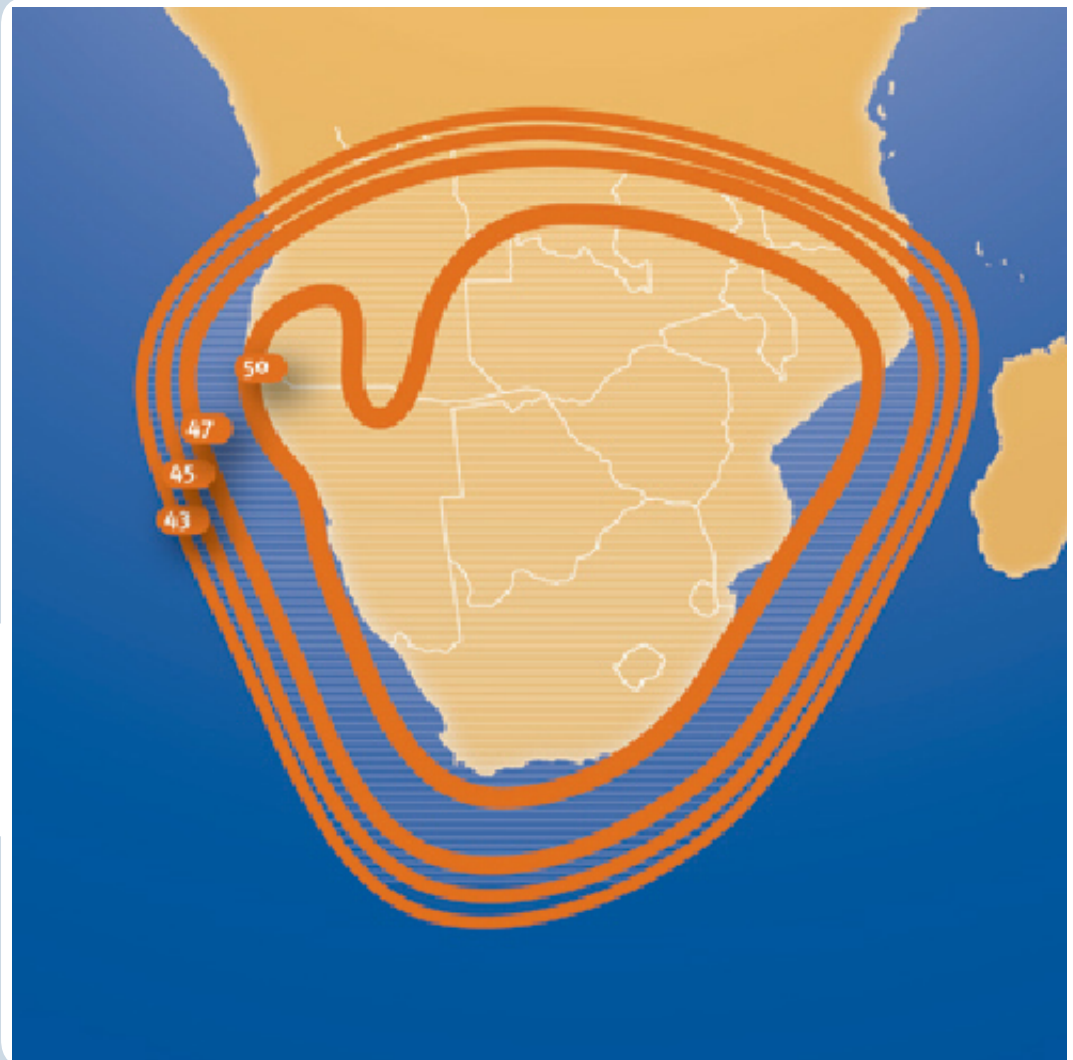
F1 EIRP map →



S1 EIRP map →



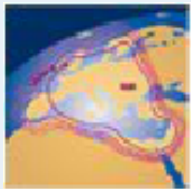
S2 EIRP map →



SATELITE COVER MAP



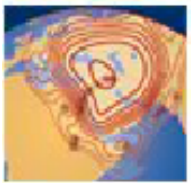
F2 EIRP map →



F1 EIRP map →



S1 EIRP map →



S2 EIRP map →

