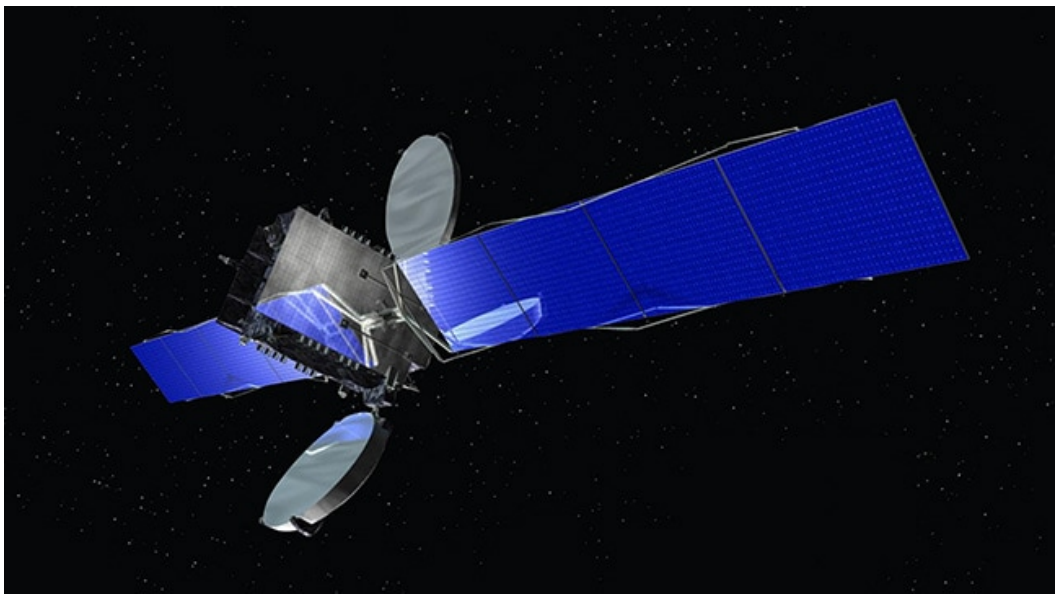
OPTUS

Back to Satellite Fleet (/about/network/satellite/fleet)

Optus D2

Broadcasting services

Our satellite Optus D2 was launched in 2007 at 152°E. It provides fixed and broadcasting communications services.



Optus D2 was launched in October 2007 and provides fixed and broadcasting communcations services. Optus D2 provides ongoing capacity for ethnic broadcast services and VSAT services plus growth to meet future business demands.

Technical Information **(/content/dam/optus/documents/about-us/our-network/Optus_D_Series_Payload.pdf)**

Satellite

Satellite Type:	Orbital Sciences STAR-2
Launch Mass:	2,460 kg
Mass in Orbit:	1,160 kg
Stablisation:	3-Axis
Dimensions:	4 metres high x 21.4 metres with solar arrays deployed
	-
Transponders	-
Operating Band:	Ku FSS
Uplink Frequencies:	Ku FSS: 14.0 - 14.5 GHz
Downlink Frequencies:	Ku FSS: 12.25 - 12.75 GHz
Number of Transponders:	Ku-Band: 16 @ 125 W, 8 @ 44 W FSS (New Zealand only)
Bandwidth:	54 MHz Ku Band
Polarisation:	Linear
	-
Performance	-
EIRP:	Australia: 44 to 52 dBW New Zealand: 51 - 57 dBW Australia/New Zealand combined: 43 - 55 dBW
G/T:	Australia: 0 to 5 dB/K New Zealand: 1 to 10 dB/K Australia/New Zealand combined: -2 to 5 dB/K
SFD:	-78 to -98 dBW/m2
Solar Array Power:	6,440 Watts
Telemetry:	Ku-Band
Command:	Ku-Band