

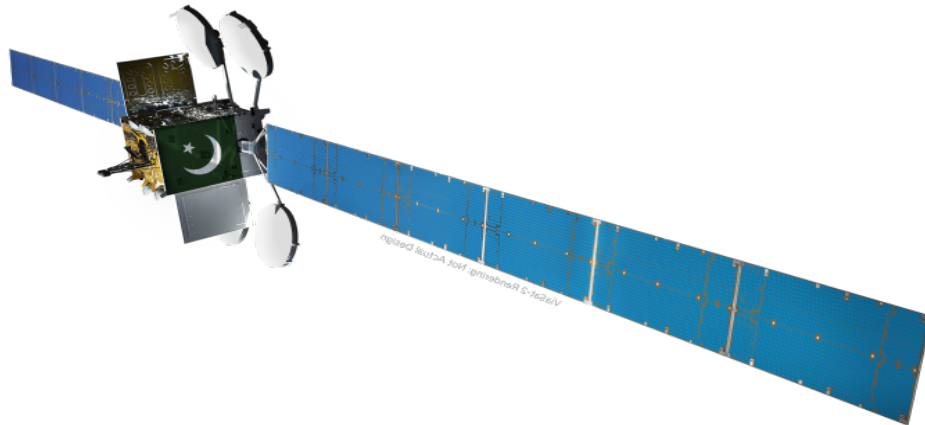
## PAKSAT-MM1

PAKSAT-MM 1 operates at orbital location of 38.2° East Longitude and offers C- and Ku-band coverage in over countries across Europe, Africa, Middle East, South East Asia and Pacific. The satellite carries 28 active transponders with six spares in C-band, powered by 55 watt traveling-wave tube amplifiers (TWTA's), and 20 active transponders with four spares in Ku-band, powered by 140 watt TWTAs.

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### Technical Parameters

Launched	April 2003
Orbital Position	38.2° East
Payloads	C & Ku Band
Operational Life	15 Years
Manufacturer	Boeing (Hughes)
TT&C	Redundant

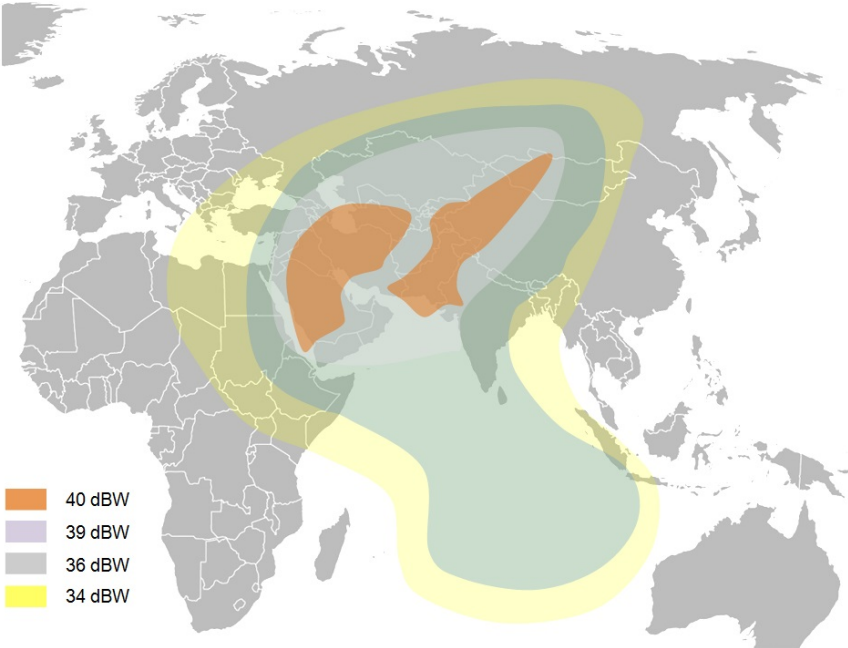


# Coverage Maps

## C-Band Coverage Map

Superior satellite platform for video distribution, DTH and broadband networks.  
Excellent 'look angles' across footprint.

C-Band Payload	
No. of Transponders	28 (linearised)
Transponder Bandwidth	36 MHz
UL/DL Polarisation	Horizontal and Vertical
TWTA Size	55 watts
TWTA Redundancy	34 for 28



*Ku-Band Coverage Map*

High-power Ku-band beam.  
Transponders with linearisers or gain control amplifiers for optimal performance.

Ku-Band Payload	
No. of Transponders	12
Transponder Bandwidth	33 MHz
UL/DL Polarisation	Vertical and RHCP
TWTA Size	140 watts

