



Simulsat 5b

Features

- Market Leader in Multibeam Technology Since 1979
- One Antenna Performs Like 35 Parabolics
- Fixed Antenna With No Moving Parts to Service
- Commercial Quality Composite Construction
- Programming Movement: Due to Constant Satellite Programming Changes, Simulsat Users Can Add Another Feed Without Having to Purchase Another Antenna
- Receives, With Uniform Performance, Signals From All Satellites Within a 70 Degree View Arc.

Summary

The Simulsat™ 5b Multibeam Earth Station is the world's only antenna that can simultaneously receive signals from up to 35 satellites within a 70° view arc, with equal performance on each satellite. Simulsat is approximately equivalent in cost to three commercial C-Band parabolic antennas, but performs like 35. Since an increasing number of applications require multiple satellite reception, return on initial investment is immediate.

Benefits

- Increased Revenue Stream
- Lowers Overall Costs – Return on Initial Investment is Immediate
- Requires Less Space – Simulsat is the size of 1 ½ parabolics
- Curbs Real Estate Costs – Best Alternative to Antenna Farms
- Outperforms Retrofits – Simulsat receives, with uniform performance, signals from all satellites within a 70 degree view arc.

Applications

- Broadcasters
- Cable Television
- Universities/Distance Learning
- Television and Radio
- Military/Government
- Corporations



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Specifications: Simulsat 5b Multibeam Antenna



ELECTRICAL	C-Band	Ku-Band
Frequency Gain (+/-1dB across the view arc) Beamwidth VSWR Feed Cross-Pol. Isolation	3.4 - 4.2 GHz 44.5 dBi 1.0 degrees 1.3 35 dB	10.7 - 12.75 GHz 47.5 dBi 0.4 degrees 1.3 35 dB
MECHANICAL Reflector Size Mount Arc Coverage Number of Simultaneous Feeds Reflector Construction Reflector Pieces Mount Type (Fixed)	5.05m x 8.86m (16.6' x 29.1') Galvanized Steel 70 degrees Up to 35 Satellites Composite Fiberglass 3 Sections Low / Standard / High Mount Low HW / Standard HW	
SHIPPING INFORMATION Shipping Weight Max Weight (Off-Load Ship Crates)	6,300 lbs (2,858 kg) 3,400 lbs (1,542 kg)	
ENVIRONMENTAL Wind Loading - Operational Wind Loading - Survival Foundation Size (Area)	90 mph (144.8 km/h) 125 mph (201.2 km/h) 160 mph (257.5 km/h) 125 mph 13' x 14' (4.0 x 4.3m) 160 mph 16' x 16' (4.9 x 4.9m)	
FOUNDATION CONCRETE Foundation Concrete 125 mph (201.1 km/h)	18.2 yd ³ (13.9m ³)	