



Simulsat C/Ku

Features

- Up to 3 Times Improved Surface Tolerance Performance Over Standard Simulsat 5
- 4 Panel Design Allows For Improved Shippability - Lower Costs
- State-of-the-Art CNC Tooling (Computer Numerical Control)
- Laser Verified Tolerances
- Better Adjacent Satellite Performance
- 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

Summary

Simulsat C/Ku 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. Since an increasing number of applications require multiple satellite reception, return on initial investment is immediate. Simulsat C/Ku is the only antenna you will need.

Benefits

- Improved C & Ku Band Performance, Particularly Ku-Band
- Increases Revenue Stream - Allows Cable Operators to Pick Programming from 20,000-Plus Channels
- Lowers Overall Costs – Return on Initial Investment is Immediate
- Requires Less Space – Simulsat is the size of 2 Parabolics., Approximately 3 Parking Spaces
- Aesthetics - Curbs Real Estate Costs – Best Alternative to Antenna Farms
- Outperforms Parabolic 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



Specifications: Simulsat C/Ku Multibeam Antenna

ELECTRICAL	C-Band	Ku-Band
Frequency	3.4 - 4.2 GHz	10.7 - 12.75 GHz
Gain (+/-1dB across the view arc)	44.5 dBi	47.5 dBi
Beamwidth	1°	0.4°
VSWR	1.3	1.3
Feed Cross-Pol. Isolation	35 dB	35 dB
MECHANICAL		
Reflector Size	5.0 x 9.8 meters (16.5' x 31.6' feet)	
Mount	Galvanized	
Arc Coverage	70 Degrees	
Number of Simultaneous Feeds	Up to 35 Satellites	
Reflector Construction	Composite Fiberglass	
Reflector Pieces	6 Sections	
Mount Type (Fixed)	Standard or High Mount	
SHIPPING INFORMATION		
Shipping Weight	2,805 kg (6,170 lbs)	
Max Weight (Off-Load Ship Crates)	1,318 kg (2,900 lbs)	
ENVIRONMENTAL		
Wind Loading - Operational	144.8 km/h (90 mph)	
Wind Loading - Survival	201.2 km/h (125 mph)	
Foundation Size (Area)	4.0 x 4.3 meter (13 x 14 feet)	
FOUNDATION CONCRETE		
144.8 Km/h (90 mph)	7.5 m ³	
201.2 km/h (125 mph)	15 m ³	