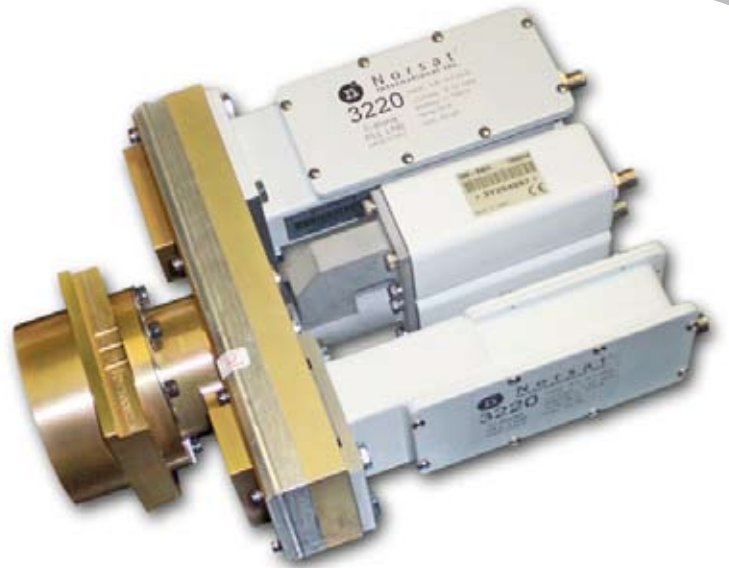


Satellite Earth Station Antennas

Simulsat 4-Port Feed



Features

- Superior Performance
- Simultaneous C-Band & Ku-Band With Independent Polarization For Each Frequency Band
- Two-Degree Spacing
- Simultaneous Satellite Reception
- Exceptional For Multibeam Applications
- Accommodates Bandpass Filters
- Accommodates Commercial LNBS (with minor flange modification)

Summary

ATCi's newly released Simulsat 4-Port is the most advanced feed design for the Simulsat line of multibeam antennas. This innovative design is narrow to allow for maximum flexibility in optimizing feeds for satellites spaced at 2° longitude, with no compromise in performance. The 4-Port Feed operates over the entire "extended" C-band frequency range from 3.4 to 4.2 GHz, and also operates over the entire commercial Ku-band frequency range of 10.95 to 12.75 GHz. The 4-Port Feed includes mounting rack and two (2) each of C and Ku-Band PLL LNB's. The feed also accommodates bandpass filters to provide the up most in secure operation.

Specifications

	C-Band	Ku-Band
Frequency	3.4 - 4.2 GHz	10.95 - 12.75 GHz
VSWR	1.5:1 typical	1.7:1 typical
Isolation	30 dB min, 39 dB typical	26 dB min, 41 dB typical
Polarization	Linear or Circular	Linear (Circular currently under development)