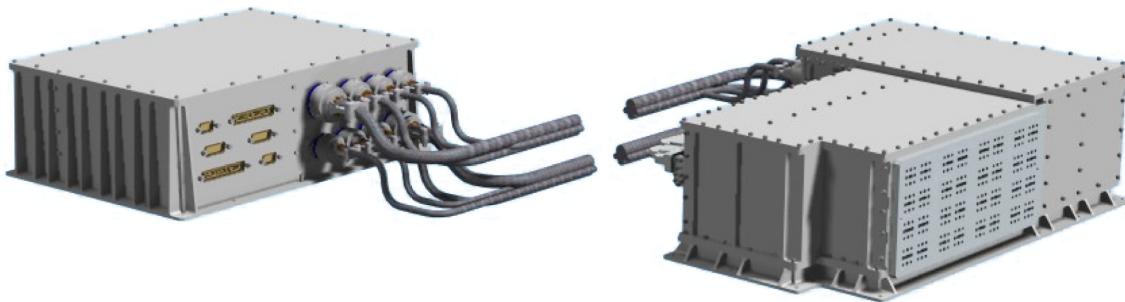


Commercial Anti-Jam Ka-Band Beam Forming Network

Building on the Strength of Our Military Satellite Heritage,
Affordable Beam-formers that Protect Commercial
Satellite Infrastructure

Always Making Waves™



Description

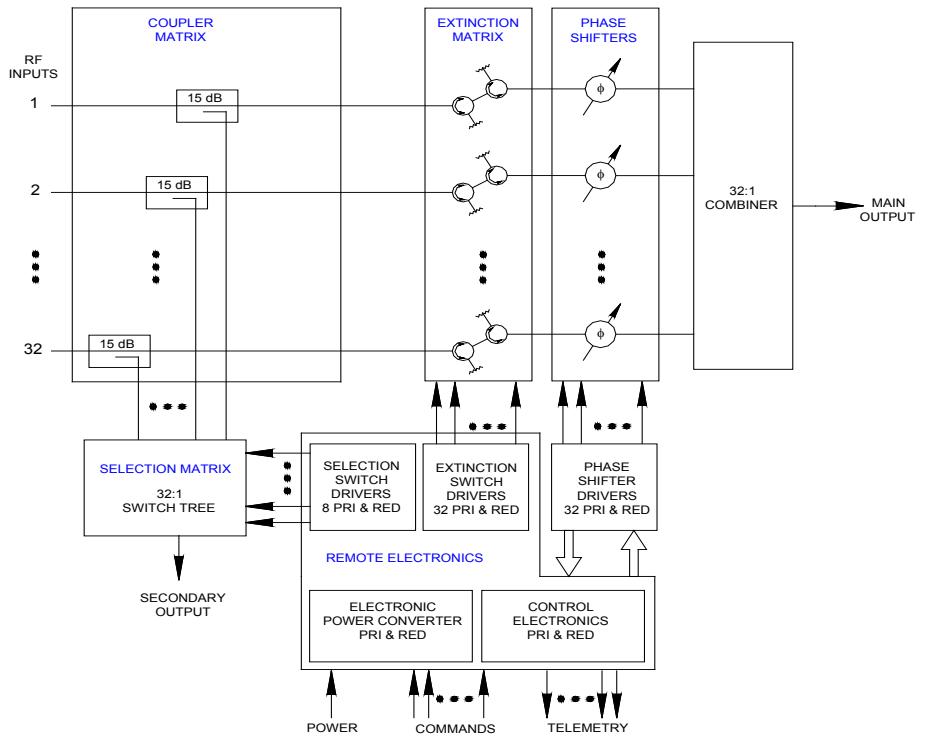
Ka-Band beam forming network controls amplitude and phase of 32 received beams and also provides sample signals of each beam to the beam steering computer. This equipment enables a low cost anti-jam satellite receiver.

Key Features

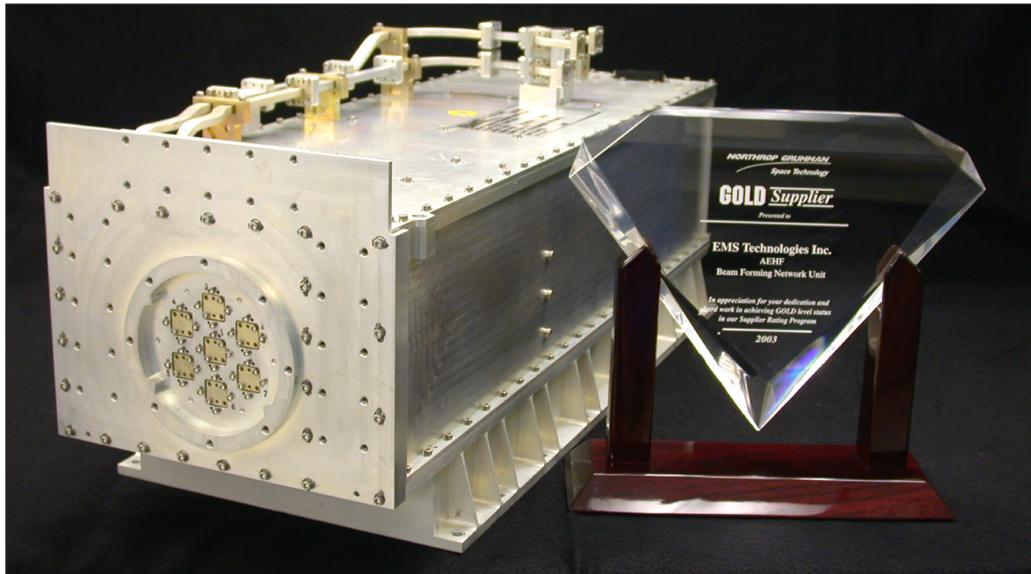
- Low-loss ferrite based phase and amplitude control
- Low power consumption
- Compact lightweight package
- Redundant electronics for high reliability

Ka-Band Ferrite Assembly Block Diagram

- 2.4 % Bandwidth
- 20 dB Input & Output Return Loss
- 40 dB Isolation
- 1.5 dB Ohmic Loss
- 3° Phase Setting Accuracy
- 20 μ s Phase Setting Time
- 500 Hz Phase Setting Rate
- 8 W Power Consumption
- 13 kg RF Box Mass
- 8 kg Electrons Box Mass



Additional Beam Forming Network Heritage



The Q-Band Beam Forming Network incorporates redundant input LNAs and a ferrite phase/amplitude control (PAC) module on each of its 7 inputs. The weighted channels are summed in a waveguide power combiner. The BFN operates at 43.5- 45.5 GHz.

For more information, contact:

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