

ANTS-KA20CQW0

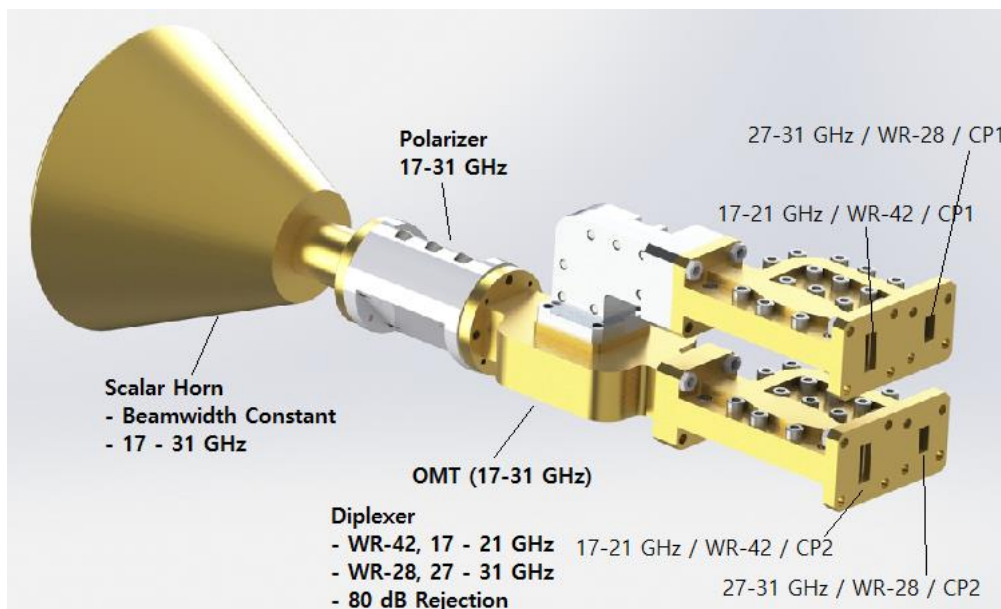
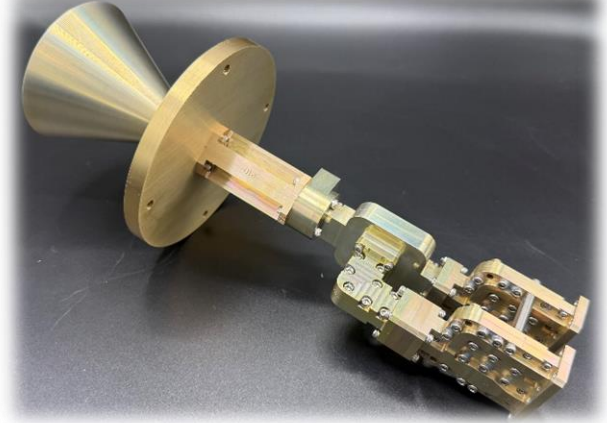
Antenna Assembly, K/Ka SATCOM

Features

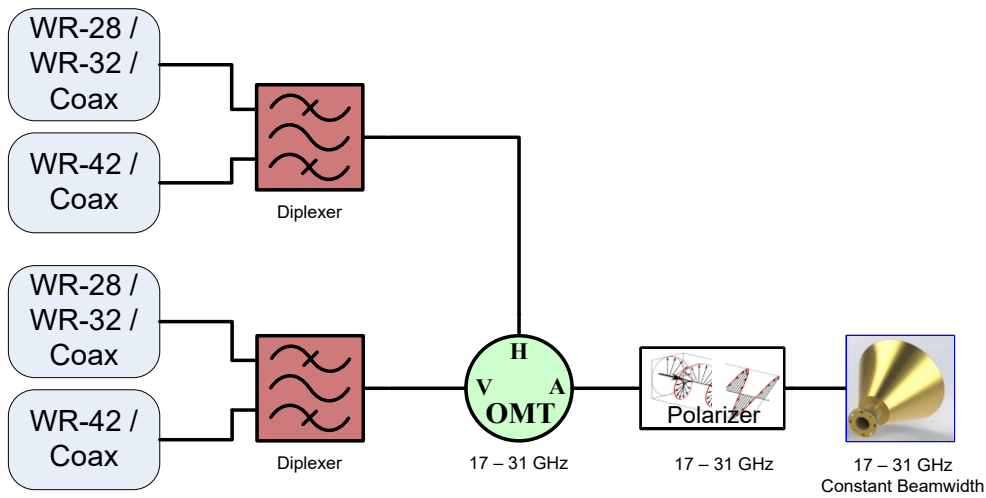
- Constant Beamwidth: 10 dB beamwidth < 5 deg variation over 17 – 31 GHz
- 15, 20, 24 dBi Gain
- Linear / Circular Polarization
- 80 dB Minimum Isolation
- 4- channel system
- Available for Coax / waveguide Ports

Related Components

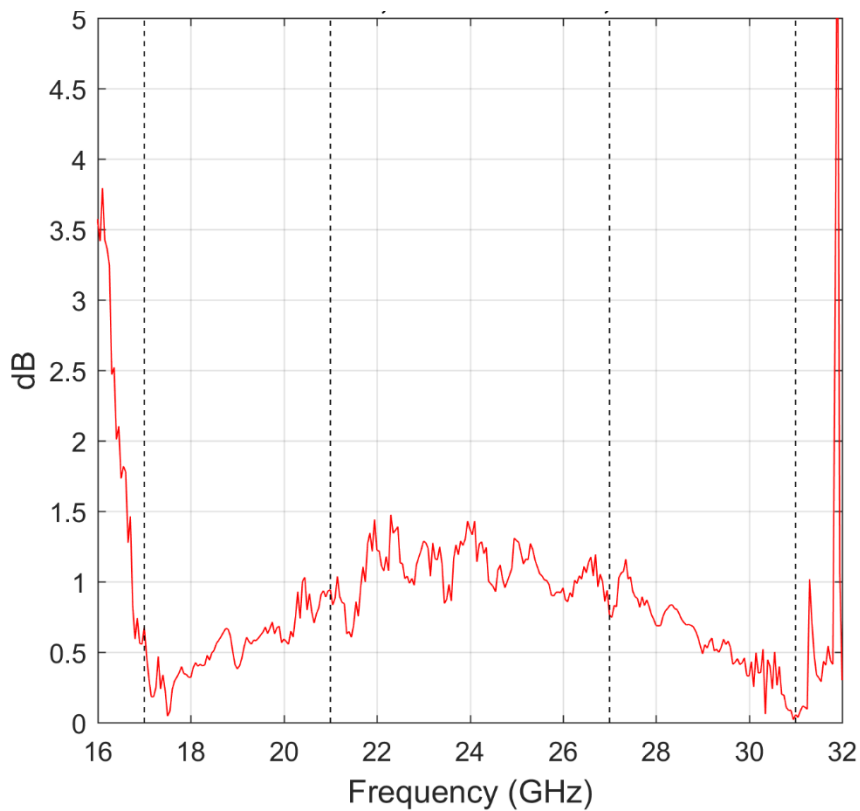
- Constant Beamwidth & Symmetry Scalar Horn
 - Covers 17 – 31 GHz
 - 10 dB Beamwidth variation < 5 deg over 17 – 31 GHz
 - Available for 15, 20, 24 dBi Gain
- Broadband Metallic Polarizer
 - Covers 17 – 31 GHz
 - Axial Ration < 1.0 dB
- Orthomode Transducer
 - Covers 17 – 31 GHz
 - Isolation: 40 dB
- Diplexer
 - 17 – 21 & 27 – 31 GHz: 80 dB Isolation
 - 17.2 -23.5 & 25.3 – 31 GHz: 50 dB Isolation



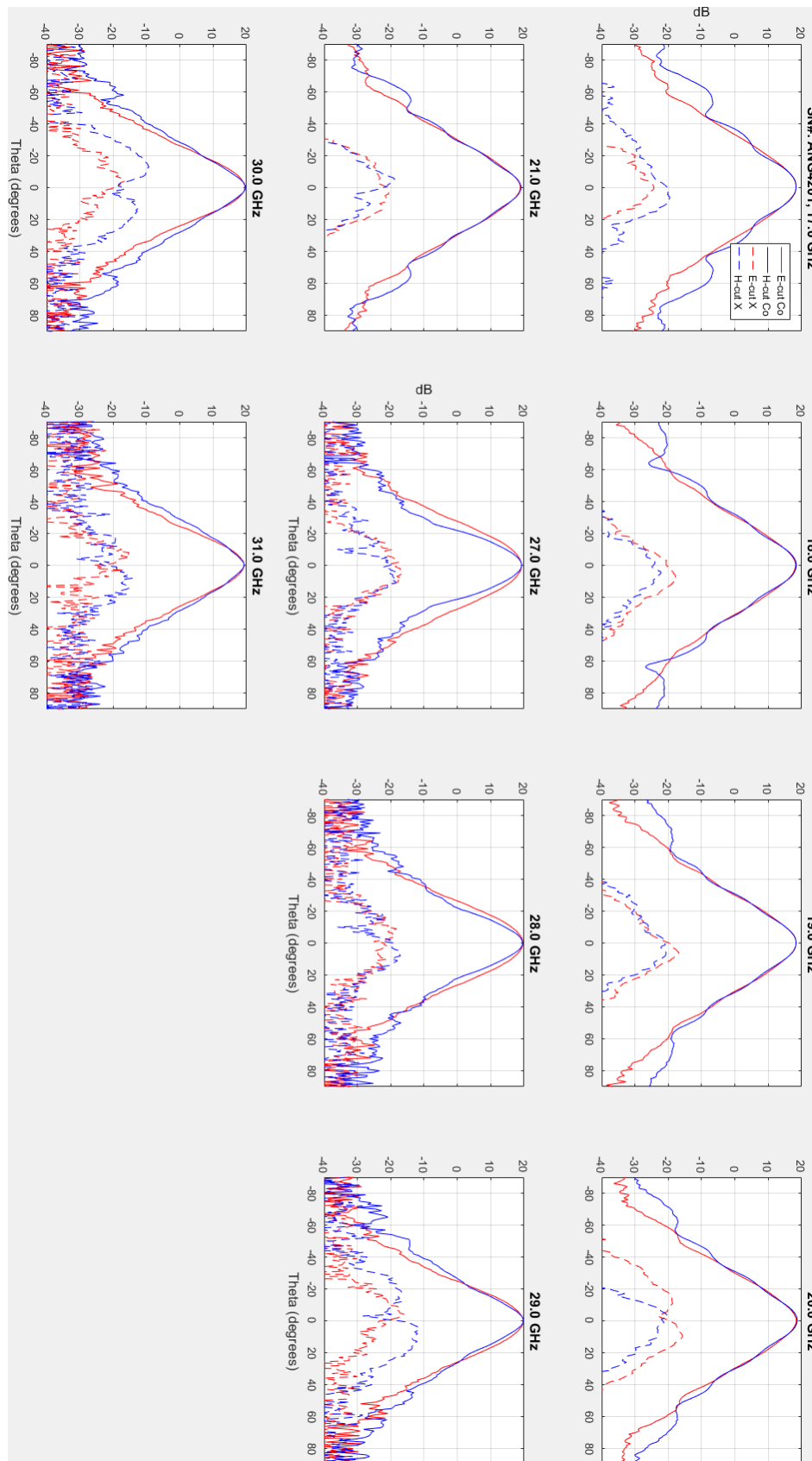
System Diagram



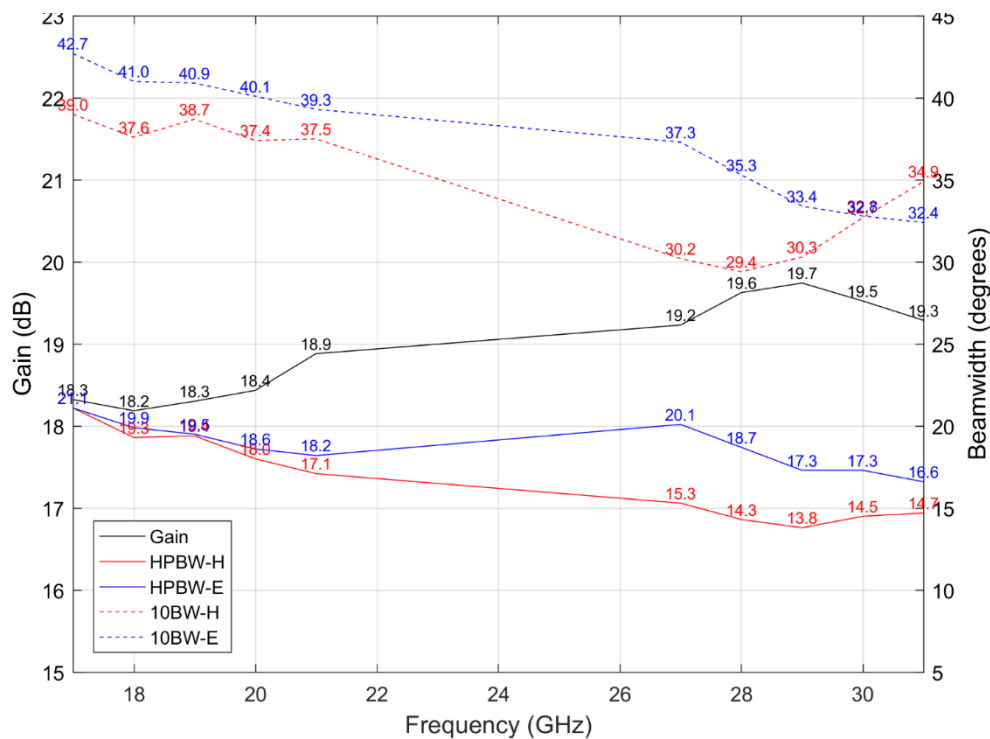
Test Data: Axial Ratio



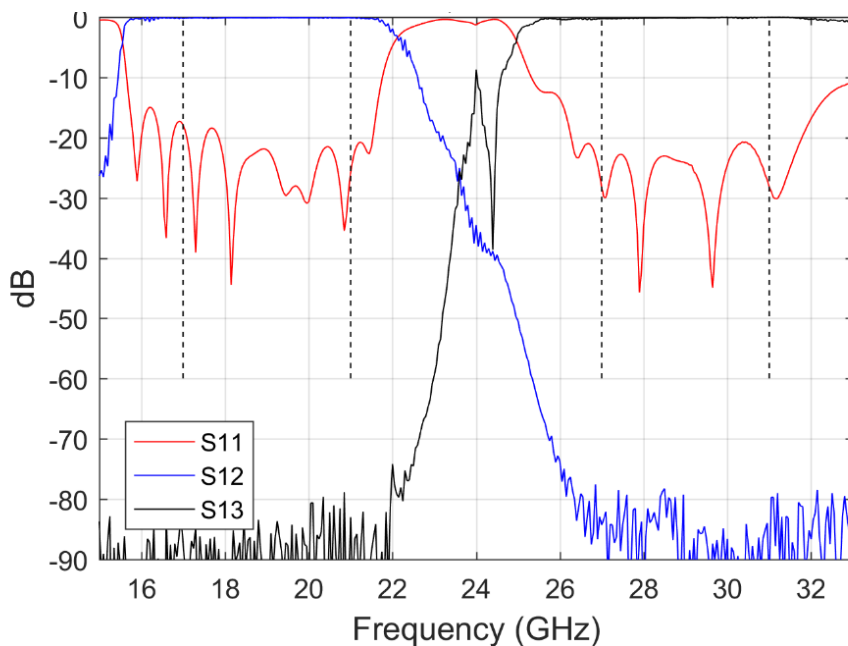
Test Data: Radiation Pattern (Excellent Constant Beamwidth)



Test Data: Gain & Beamwidth



Test Data: K / Ka Isolation (Diplexer)



Test Data: OMT Performance

