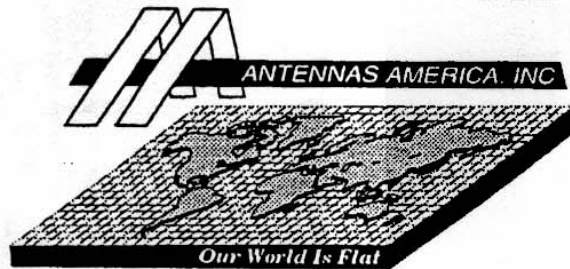


EXHIBIT #3



MMDS RELAY ANTENNA

Engineering Data

-Linear Array

-Vertical Or Horizontal
Polarization

-Low Wind Loading

-Rugged Outdoor
Construction

-Light Weight

-Highly Efficient

-Unobtrusive

-Easy Installation

-Leading-edge Technology
From Antennas America

Electrical Specifications (Typical)

Frequency	2.5-2.7 GHz
Gain	21 dBi <i>19 dBi @ 75% EFF</i>
Bandwidth - MHz for 1.5:1 VSWR	200 MHz
Horizontal Beamwidth	90°
Vertical Beamwidth	5°
Cross Polarization	20 dB Minimum
Maximum Power Input - Watts	500
Front - to - Back Ratio	35 dB Minimum
Efficiency:	65-75%
Connector	Type N
Lightning Protection	Direct Ground

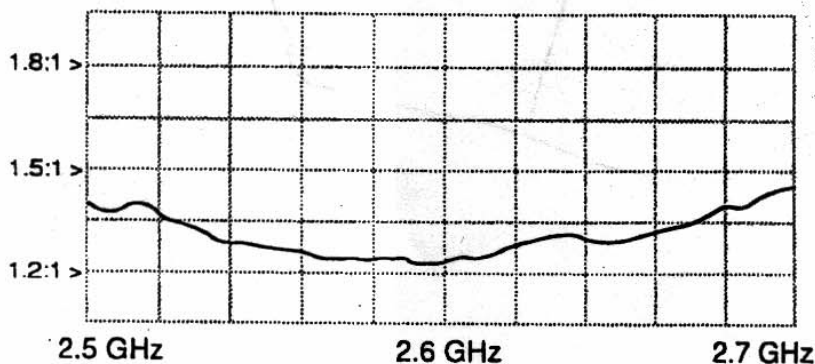
Mechanical Specifications

Width - in. (mm)	12 (305)
Height - in. (mm)	56 (1422)
Depth - in. (mm)	6 (152)
Case Material	High Impact UV Stabilized Plastic
Wind / Ice Loading Area	4.5 ft ²
Rated Wind Velocity - mph (km/hr)	100 (161)
Lateral Thrust @ 100 mph - lbs. (kg)	137 (62.1)
Torsional Moment @ 100 mph with Std. Mounting - ft./lbs. (m/kg)	2.1 (.95)

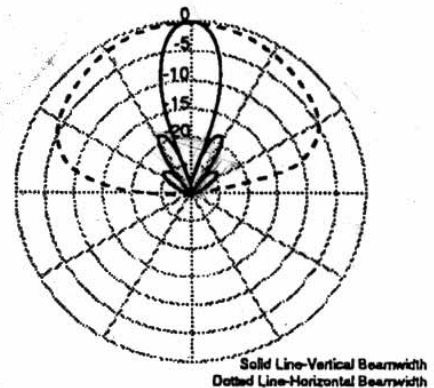
WEIGHT

19 lbs

Typical VSWR



Typical
Polar Plot



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