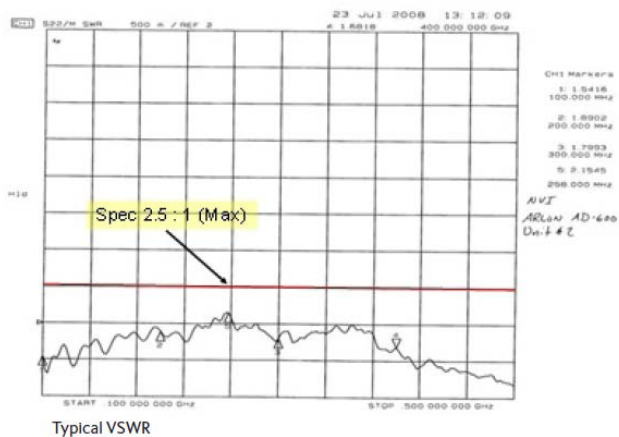
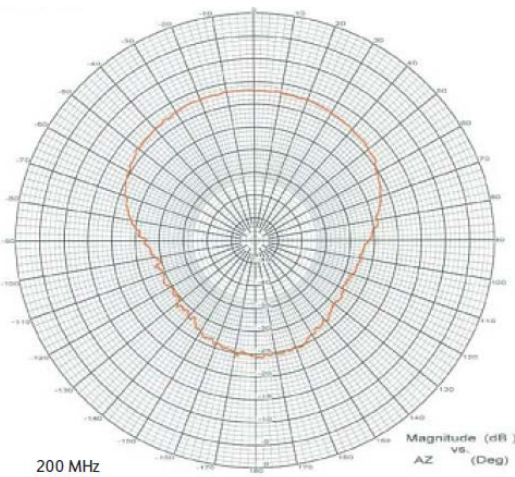


Model 092-00744 Low Band Spiral Antenna

CAES announces a new cavity backed low profile spiral antenna qualified for airborne application. The unit is extremely light weight through the use of composite materials for the housing. The spiral antenna employs slow wave technologies to increase the efficiency of this extremely electrically small antenna. The antenna can be supplied in phase and amplitude matched sets for interferometer applications or as single aperture for wideband frequency collection sensor. Model 092-00744 provides wideband, high efficiency performance in an extremely compact package. The antenna mechanical envelope is a 15-inch diameter by 5.5-inch deep cavity antenna housing. It operates 100 MHz to 500 MHz frequency range with a nominal VSWR of less than 2.5:1. Other similar models are also available; contact us to discuss your specific requirements.



Model 092-00744 Low Band Spiral Antenna

KEY FEATURES:

- High Efficiency
 - Electrically Small
 - Broad Bandwidth
 - Pattern Symmetry
 - Low Axial Ratio
 - Light weight
 - Compact Size
-

FREQUENCY RANGE:

- 100 to 500 MHz
-

VSWR:

- 2.5 : 1 max.
-

GAIN:

- 100 MHz -26 dBiC
 - 250 MHz -7 dBiC
 - 500 MHz 1 dBiC
-

3 dB BEAMWIDTH:

- 110° nominal
-

POLARIATION:

- LHCP
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