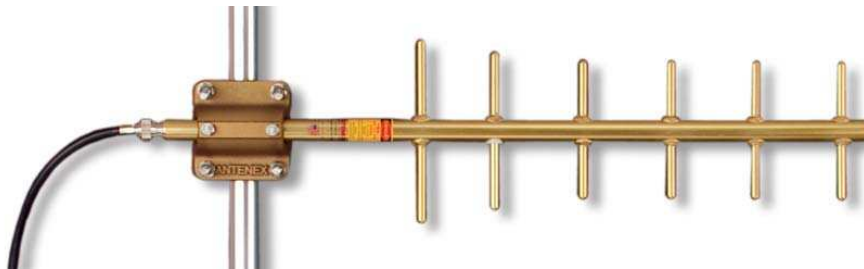




Product Specification

**TITLE: Y(B)8966 Black or Gold anodized 896-970MHz fully welded
6 elements 9dBd Directional Yagi**

Part #: **Y(B)8966**
Memo: **Spec**
Page: **1 of 4**
Date: **3/10/2006**



ELECTRICAL

Frequency Range:	896 - 970 MHz
Frequency Bandwidth:	74 MHz
VSWR:	< 2.0:1
Return Loss:	-10dB max
Nominal Gain:	9 dBd
Front to Back Ratio:	20 dB
Maximum Power:	300 W
Nominal Impedance:	50Ω
Polarization:	Vertical or Horizontal
Pattern:	Directional
Horizontal Beamwidth: (For Horizontal Polarization)	56°
Vertical Beamwidth: (For Vertical Polarization)	52°
Tuning:	Fixed Tune
Transmitting / Receiving:	Both

MOUNTING

Included: Heavy Duty Cast mount bracket accommodates 7/8" mast

MECHANICAL

Material:	Aluminum
Length:	27.688"
Height:	6.75"
Boom Diameter:	0.875"
Weight:	3.9 lbs
Rated Wind Velocity:	150mph (241kph)
Rated Wind Velocity (with 0.5" radial ice)	80mph (130kph)
Equivalent Flat Area:	0.2492 sq. ft.
Cable:	None
Termination:	N-female connector
Color:	Gold or Black Anodized
Lightning Protection:	Lightning Arrestor LABH350NN (Sold Separately)



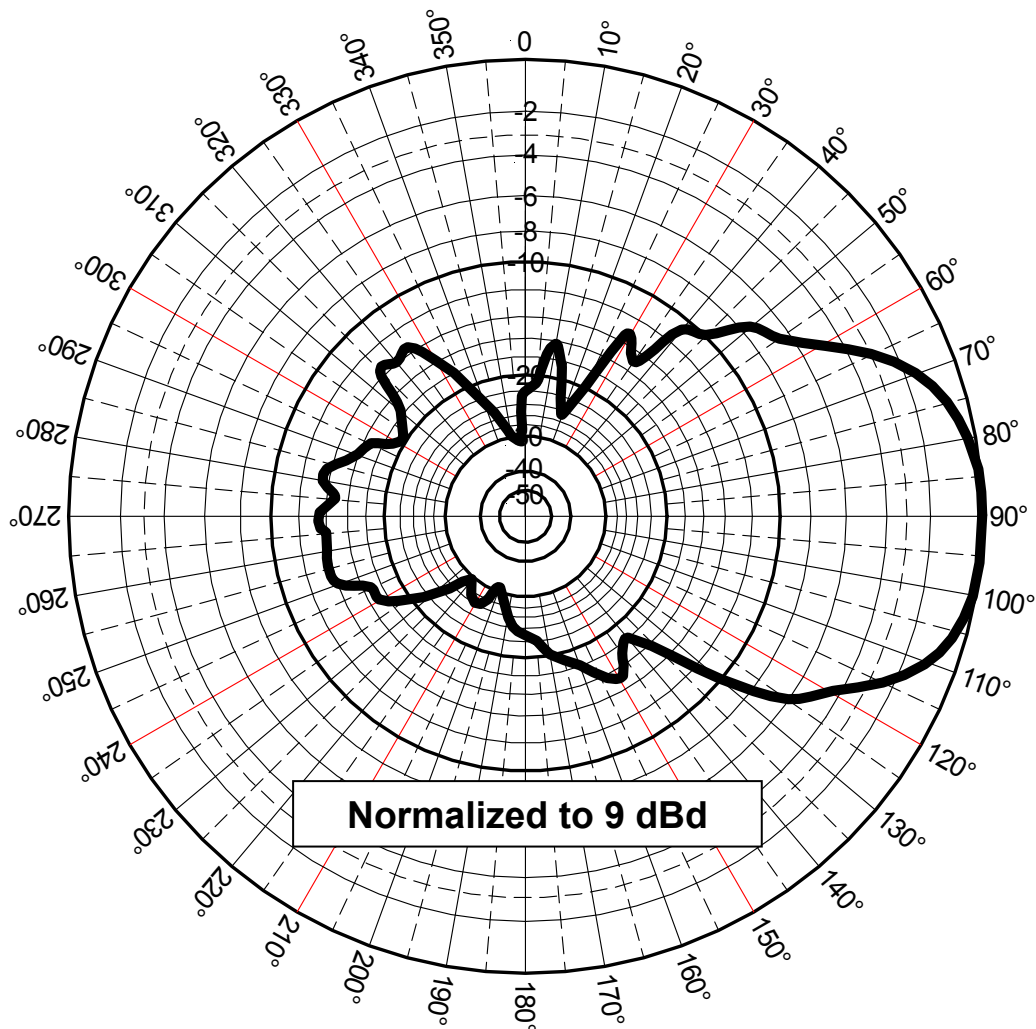


Product Specification

**TITLE: Y(B)8966 Black or Gold anodized 896-970MHz fully welded
6 elements 9dBd Directional Yagi**

Part #: **Y(B)8966**
Memo: **Spec**
Page: **2 of 4**
Date: **3/10/2006**

ANTENNA RADIATION PATTERN



**Vertical-to-Vertical Polarization
Azimuthal Pattern (X, Y or E-Plane)**

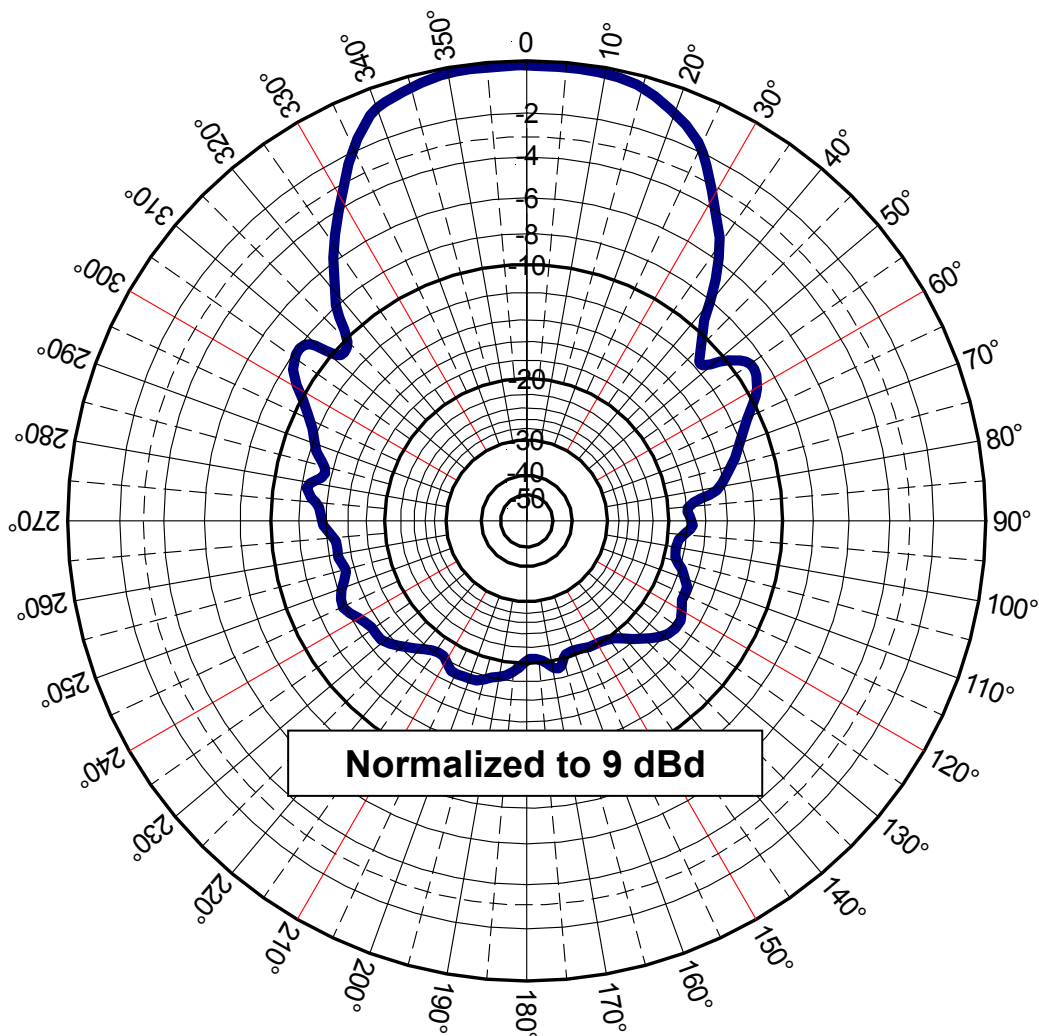


Product Specification

**TITLE: Y(B)8966 Black or Gold anodized 896-970MHz fully welded
6 elements 9dBd Directional Yagi**

Part #: **Y(B)8966**
Memo: **Spec**
Page: **3 of 4**
Date: **3/10/2006**

ANTENNA RADIATION PATTERN



**Horizontal-to-Horizontal Polarization
Elevation Pattern (Y, Z or H-Plane)**

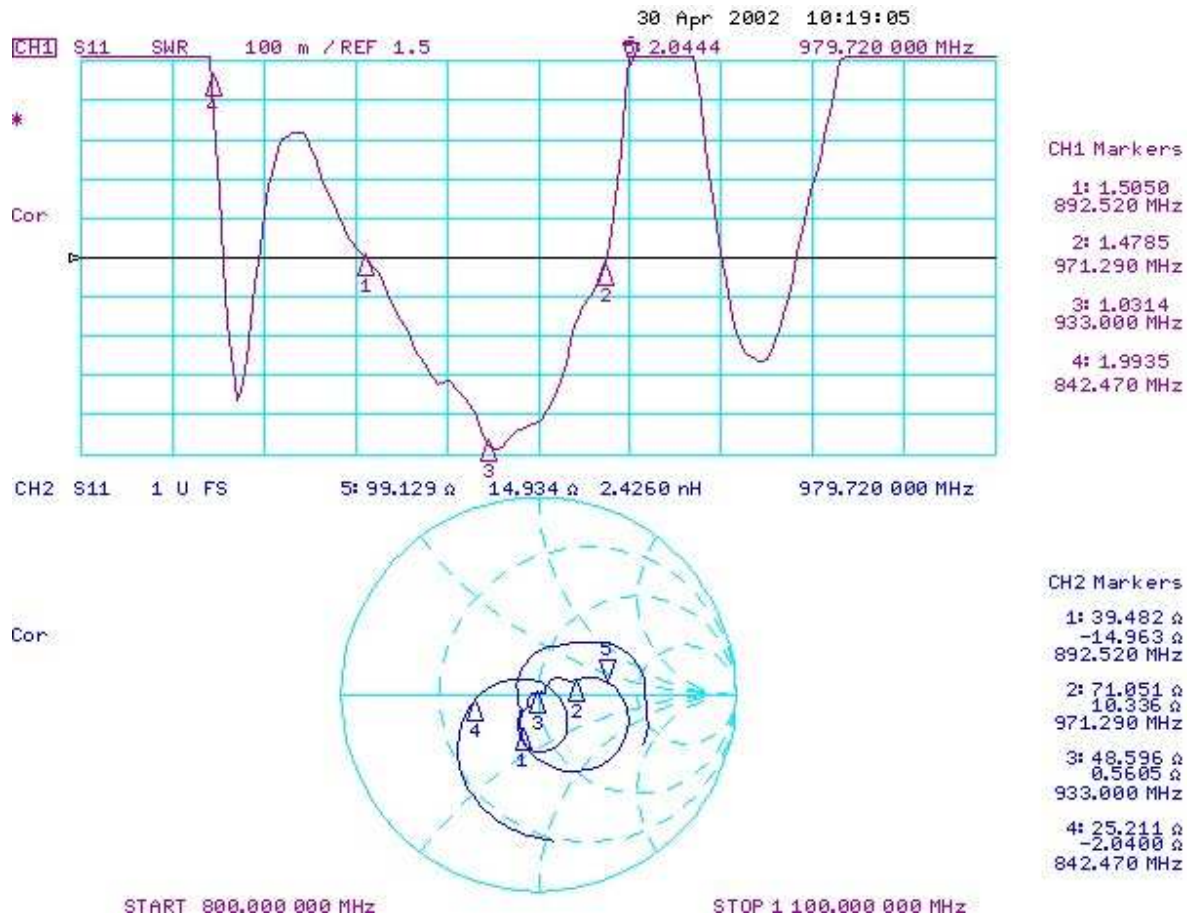


Product Specification

**TITLE: Y(B)8966 Black or Gold anodized 896-970MHz fully welded
6 elements 9dBd Directional Yagi**

Part #: **Y(B)8966**
Memo: **Spec**
Page: **4 of 4**
Date: **3/10/2006**

VSWR of Y8966



Y8966 Typical VSWR sweeps – Primary Specifications

Marker 1: 1.5050 to 1 @ 892 MHz
Marker 2: 1.4785 to 1 @ 971 MHz
Marker 3: 1.0314 to 1 @ 933 MHz

Y8966 Typical VSWR sweeps – Secondary Specifications

Marker 4: 1.9935 to 1 @ 842 MHz
Marker 5: 2.0444 to 1 @ 979 MHz

12/19/2002