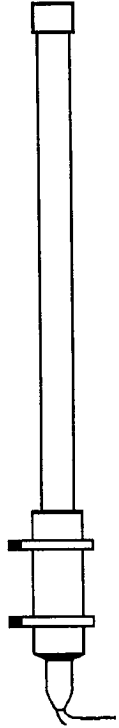


HyperGain™ HG-2408U

2.4 GHz 8 dBi Gain Omnidirectional Antenna



- Superior Performance:** This compact antenna provides 8 dBi gain with 360 degree coverage. And like all our HyperGain™ Omnis, the HG-2408U is designed and built in the U.S.A.
- Rugged Construction:** The construction of our omnis feature fiberglass radomes and sealed internal elements.
- Weatherproof:** All HyperGain™ Omni's feature UV inhibited coatings on all exposed surfaces.
- Lightweight:** This unit weighs less than 2 lbs.
- Durable:** This antenna is easily installed by one person, and is designed to withstand 100 MPH winds.

ELECTRICAL SPECIFICATIONS:

GAIN: 8 dBi
FREQUENCY: 2400-2483 MHz
VSWR: <2:1
IMPEDANCE: 50 Ohms
POWER RATING: 100 Watts

MECHANICAL SPECIFICATIONS:

MATERIAL: Fiberglass
LENGTH: 24"
WEIGHT: <2 lbs.
MOUNTING: 2 3/8" mast maximum
WIND SURVIVAL: 100 MPH

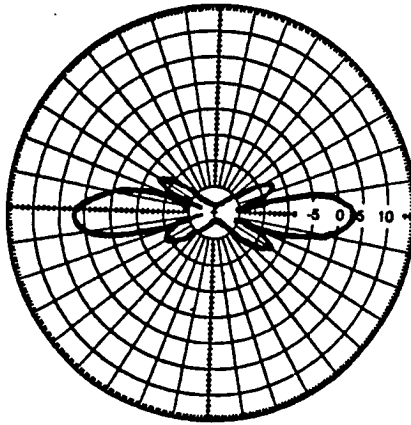


1200 Clint Moore Rd, Suite 14, Boca Raton, FL 33487 USA
Tel: 561-995-2256 Fax: 561-995-2432
E-Mail: HyperLink@worldnet.att.net

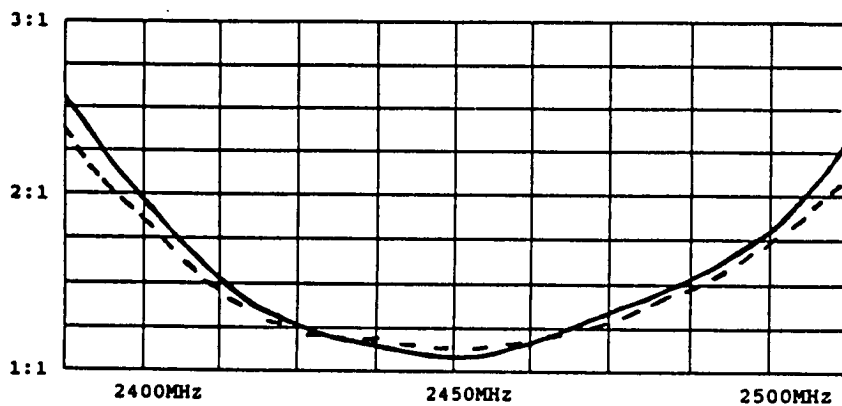
HyperLink Technologies, Inc.

Antenna: HyperGain™ Model 2408U
Description: 6 dBd Omni-Directional
Date: 12/1/96

Vertical Pattern



VSWR vs. Frequency



Frequency: $F_0 = 2442$ MHz

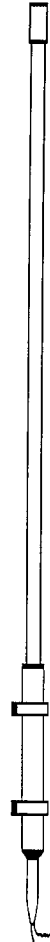
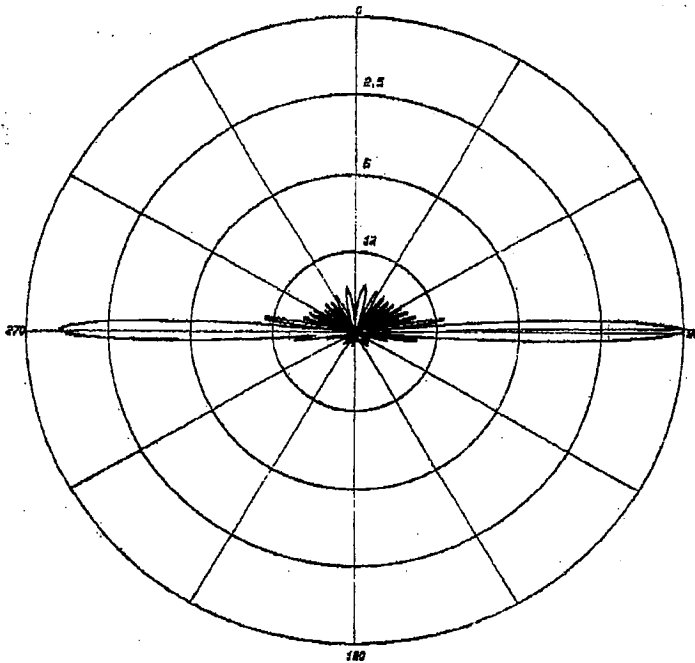
HyperGain™ Model HG2412U

2.4 GHz 12 dBi Omnidirectional Antenna

Electrical Characteristics

Frequency	2400 - 2483 MHz
Gain	12 dBi
Impedance	50 Ohm
VSWR	1 : 1.5 max
Maximum Input Power	100 W

Vertical Pattern (dB)

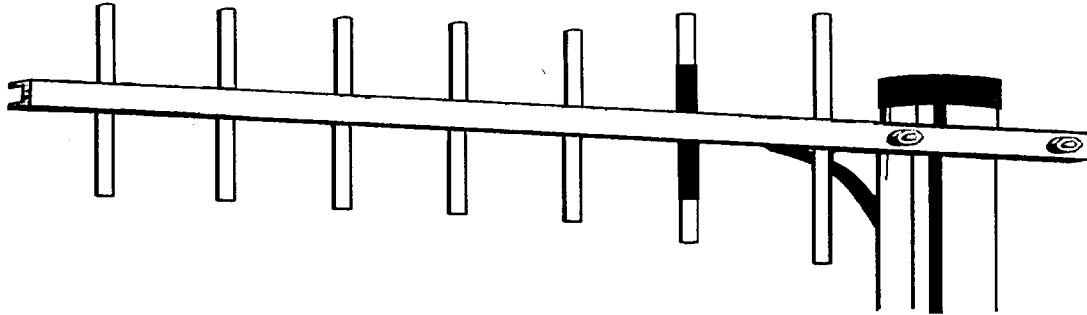


Mechanical Characteristics

Weight	1.16 kg
Length	1.78 m
Radome Material	Fiberglass
Finish	Powdercoat
Mounting	2.5" diameter mast max.

HyperGain™ HG-2414Y

2.4 GHz 14 dBi Gain Yagi Antenna



- Superior Performance:** This compact antenna provides 14 dBi gain with a narrow beam-width for pinpoint directivity. And like all our HyperGain™ Yagi's, the HG2414Y is designed and built in the U.S.A.
- Rugged Construction:** The construction of our 2.4 GHz yagis feature 1/2" aluminum U-channel with 1/4" solid elements.
- Weatherproof:** All HyperGain Yagi's feature sealed elements and UV inhibited powder coat finish on all exposed aluminum surfaces.
- Lightweight:** This unit weighs less than 2 lbs.
- Durable:** This antenna is easily installed by one person, and is designed to withstand 100 MPH winds.

ELECTRICAL SPECIFICATIONS:

GAIN:	14 dBi
FREQUENCY:	2400-2500 MHz
F to B RATIO:	15 dB
VSWR:	< 1.5:1
IMPEDANCE:	50 Ohms
POWER RATING:	100 Watts

MECHANICAL SPECIFICATIONS:

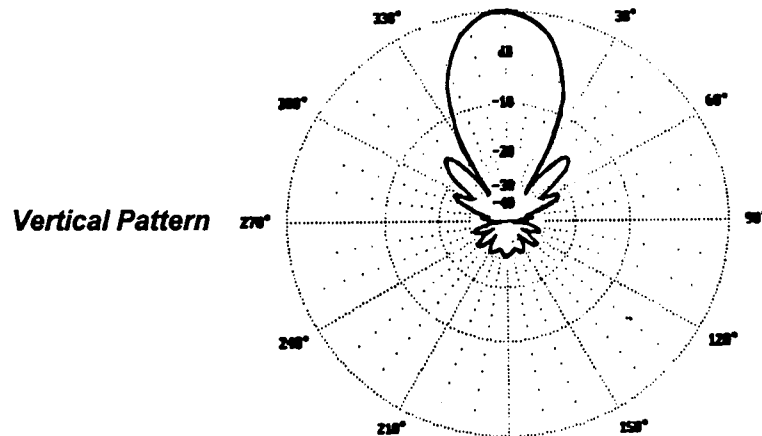
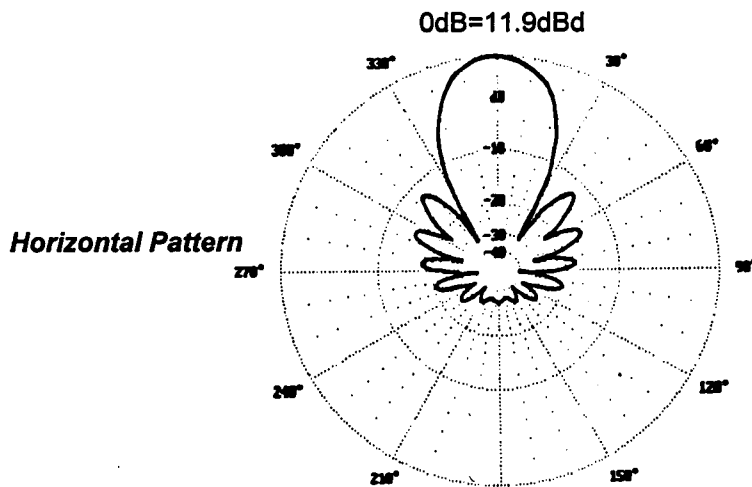
MATERIAL:	Aluminum
FINISH:	UV inhibited polyester
LENGTH:	19"
WEIGHT:	< 2 lbs.
MOUNTING:	1 3/4" mast maximum
WIND SURVIVAL:	100 MPH



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Tel: 561-995-2256 Fax: 561-995-2432
E-Mail: HyperLink@worldnet.att.net
website: www.HyperlinkTech.com

HyperLink Technologies, Inc.

Antenna: HyperGain™ Model 2414Y
Description: 12 dBd Yagi
Date: 12/1/96



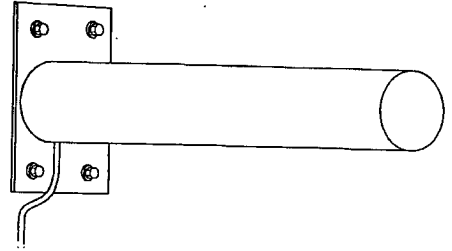
Frequency: $F_0 = 2442$ MHz

HyperGain™ Model HG2415Y

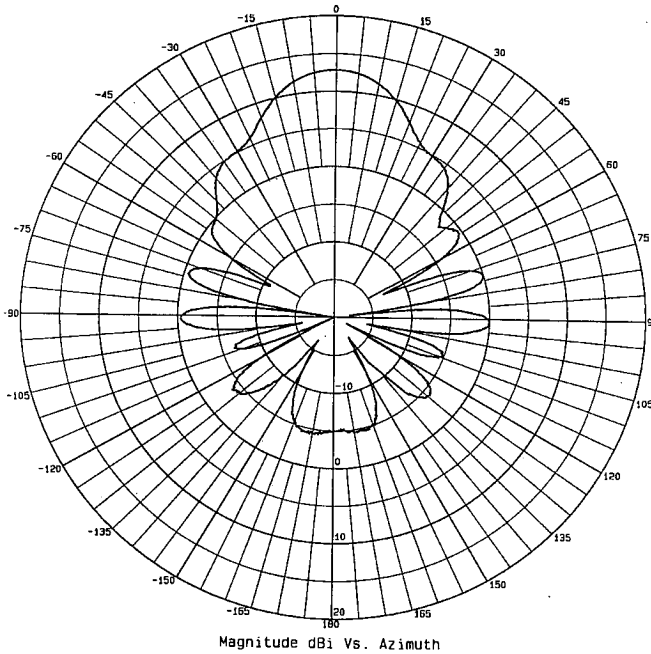
2.4 GHz 15 dBi Radome Enclosed Yagi Antenna

Electrical Characteristics

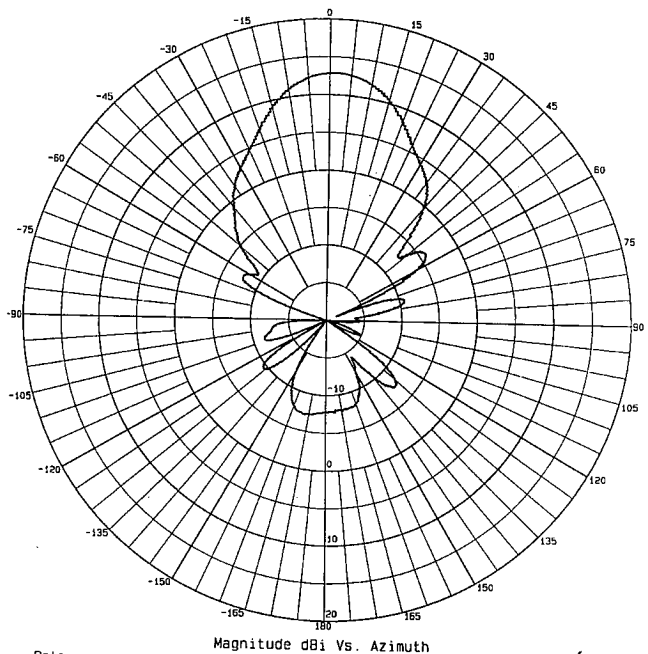
Frequency	2400 - 2483 MHz
Gain	13.5 dBi
Impedance	50 Ohm
Front-to-Back Ratio	> 20 dB
3 dB Beamwidth	30 degrees
Polarization	Vertical



Vertical Pattern (dB)



Horizontal Pattern (dB)

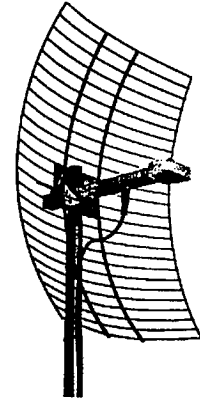


Mechanical Characteristics

Weight	2 lbs.
Length	18"
Radome Material	UV Inhibited PVC
Mounting	1.0-1.5" diameter mast

HyperGain™ Model HG2415G

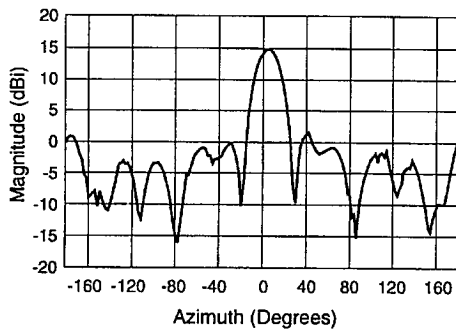
2.4 GHz 15 dBi Reflector Grid Antenna



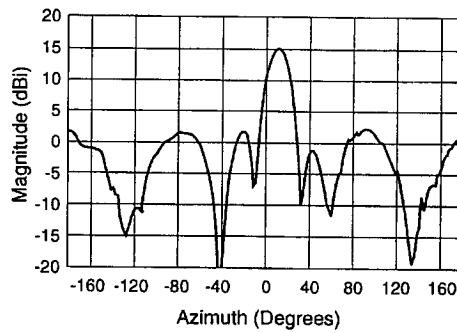
Electrical Characteristics

Frequency	2400 - 2483 MHz
Gain	15 dBi
Impedance	50 Ohm
Input Return Loss	-14 dB typical
Cross Polarization Rejection	<-19 dB

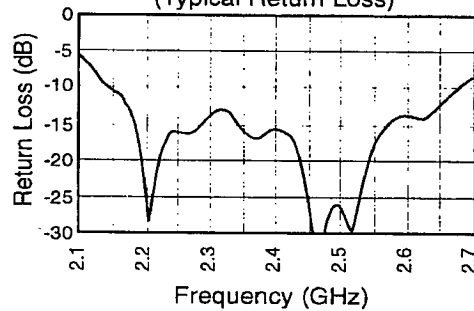
Vertical Pattern (dB)



Horizontal Pattern (dB)



(Typical Return Loss)

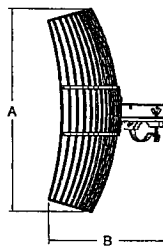


Mechanical Characteristics

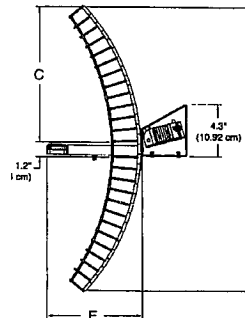
Weight	2.6 lbs. (1.18 kg)
Grid Material	Welded Steel
Finish	Powdercoat
Mounting	1.0-1.5" diameter mast

Dimensions

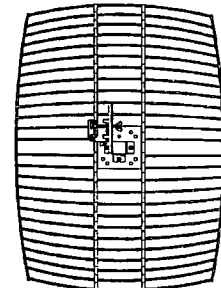
	in.	cm.
A	11.5	29.21
B	6.5	16.51
C	6.4	16.26
D	14.0	35.56
E	7.2	18.29



Top View



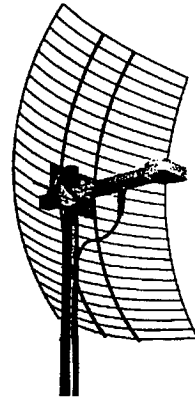
Side View



Rear View

HyperGain™ Model HG2419G

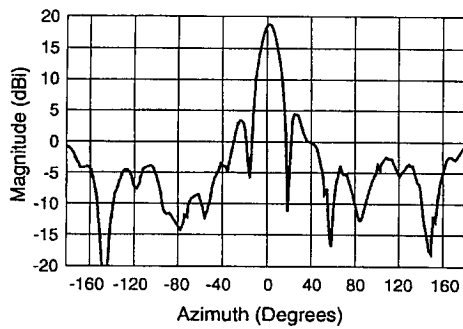
2.4 GHz 19 dBi Reflector Grid Antenna



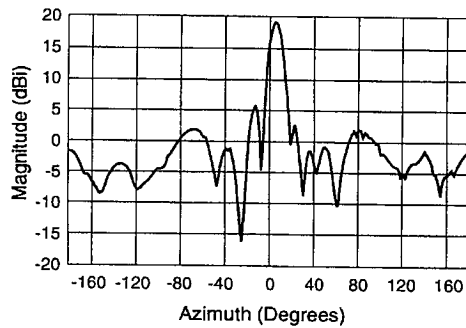
Electrical Characteristics

Frequency	2400 - 2483 MHz
Gain	19 dBi
Impedance	50 Ohm
Input Return Loss	-14 dB typical
Cross Polarization Rejection	<-19 dB

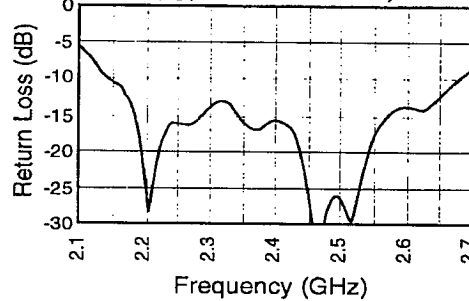
Vertical Pattern (dB)



Horizontal Pattern (dB)



(Typical Return Loss)

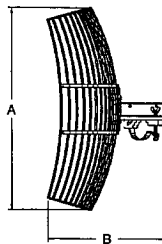


Mechanical Characteristics

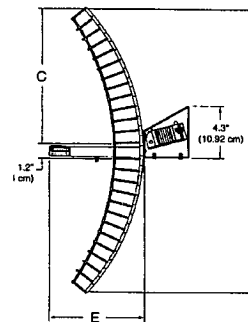
Weight	3.9 lbs. (1.77 kg)
Grid Material	Welded Steel
Finish	Powdercoat
Mounting	1.0-1.5" diameter mast

Dimensions

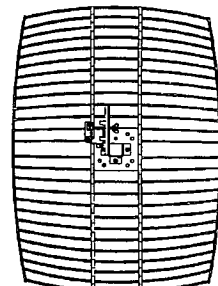
	in.	cm.
A	16.7	42.42
B	9.4	23.88
C	11.2	28.45
D	23.6	59.95
E	9.4	23.87



Top View



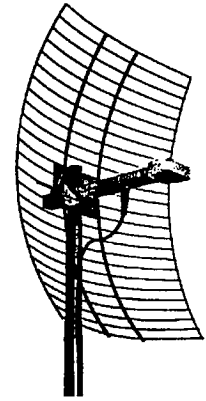
Side View



Rear View

HyperGain™ Model HG2424GC

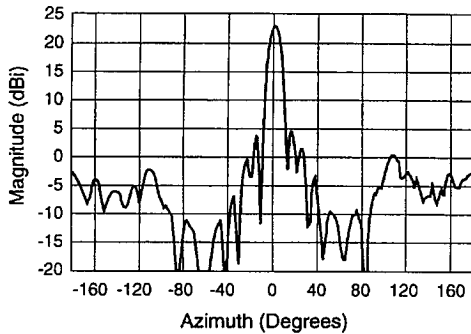
2.4 GHz 24 dBi Reflector Grid Antenna



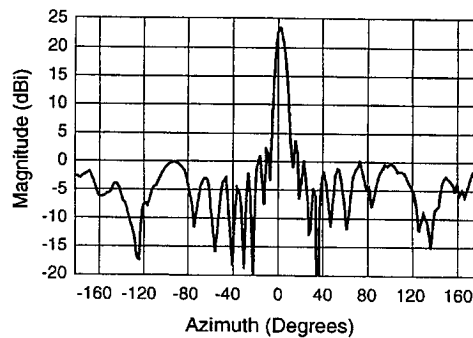
Electrical Characteristics

Frequency	2400 - 2483 MHz
Gain	23.5 dBi
Impedance	50 Ohm
Input Return Loss	-14 dB typical
Cross Polarization Rejection	<-19 dB

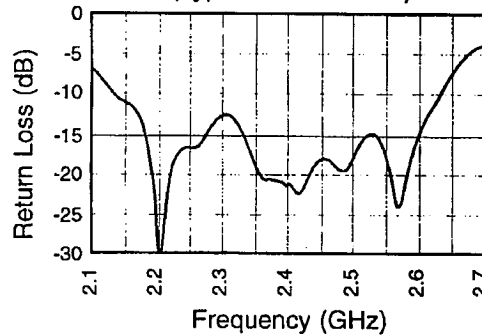
Vertical Pattern (dB)



Horizontal Pattern (dB)



(Typical Return Loss)

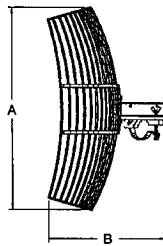


Mechanical Characteristics

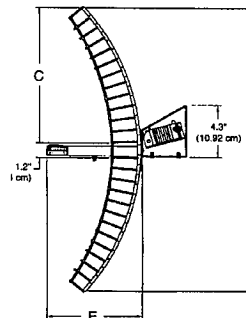
Weight	8.2 lbs. (3.72 kg)
Grid Material	Welded Steel
Finish	Powdercoat
Mounting	1.0-1.5" diameter mast

Dimensions

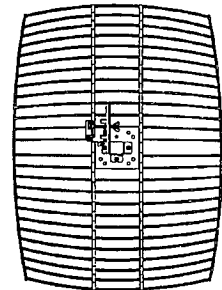
	in.	cm.
A	28.0	71.12
B	11.4	28.96
C	16.4	41.66
D	34.0	86.36
E	16.0	40.64



Top View



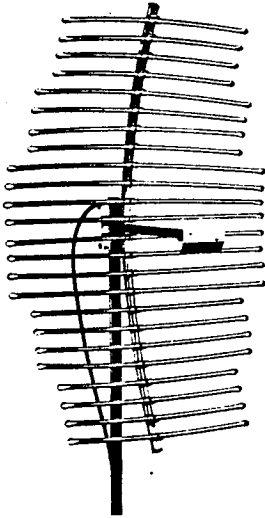
Side View



Rear View

HyperGain™ HG-2424G

2.4 GHz 24 dBi Gain Parabolic Grid Antenna



- Superior Performance:** This lightweight antenna provides 24 dBi gain with a 12 degree beam-width for highly directional applications.
- Rugged Construction:** The construction features an all-aluminum grid reflector for superior strength.
- Weatherproof:** The grid surface is epoxy powder coated for durability. The open-frame grid design minimizes wind loading.
- Lightweight:** This unit weighs under 5 pounds.
- Durable:** This antenna is easily installed by one person, and is designed to withstand 100 MPH winds.

ELECTRICAL SPECIFICATIONS:

GAIN:	24 dBi
BEAM WIDTH (V):	12 degrees
FREQUENCY:	2400-2483 MHz
F to B RATIO:	28 dB
VSWR:	< 1.5:1
IMPEDANCE:	50 Ohms
POWER RATING:	50 Watts

MECHANICAL SPECIFICATIONS:

MATERIAL:	Aluminum
FINISH:	Epoxy Powder Coat
DIMENSIONS:	42" x 27"
WEIGHT:	4.25 lbs.
MOUNTING:	2 3/8" mast maximum
WIND LOADING:	22 lbs. @ 60 MPH
WIND SURVIVAL:	100 MPH



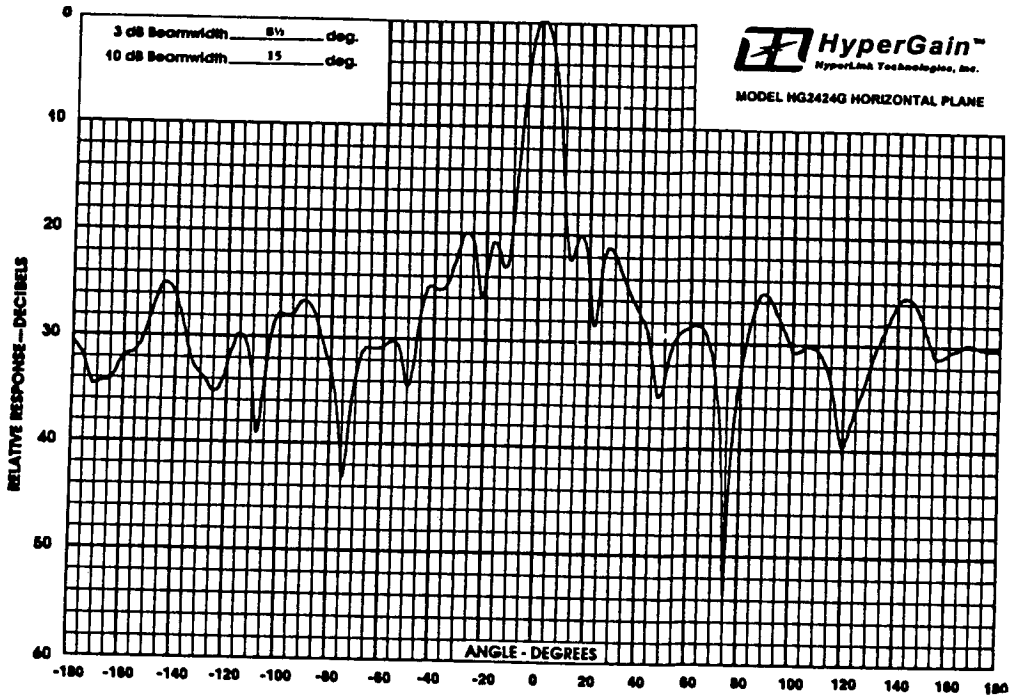
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website: www.HyperlinkTech.com

HyperGain™ Grid Antenna 2400-2483 MHz



HyperGain™ Grid Antenna 2400-2483 MHz

