

20 dBi Gain, 2.6-3.95 GHz, WR284 Standard Gain Horn with N Female

Port

Rev 1

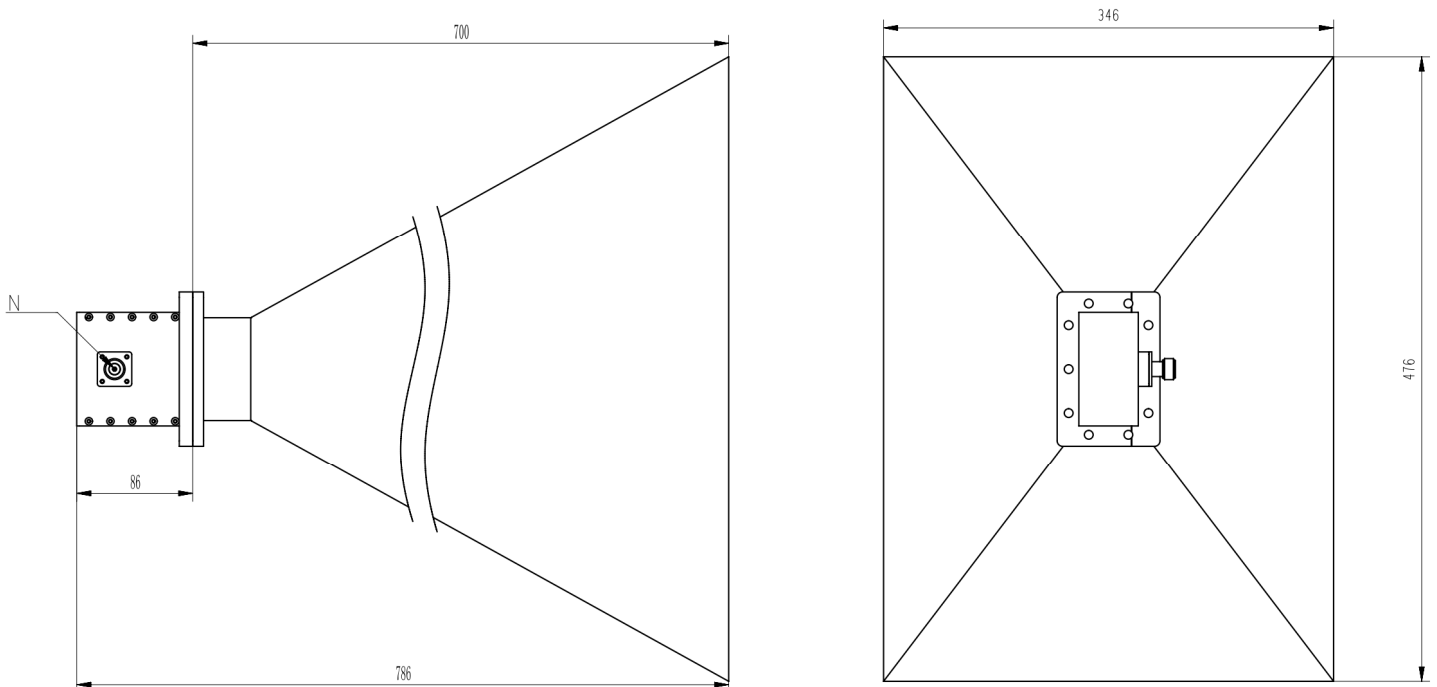
Electrical

Frequency Range	2.6-3.95 GHz
Norminal Gain	20 dBi
Polarization	Linear
VSWR	1.3 max
3dB Beamwidth	H-Plane: 13.1~18.9 deg, E-Plane: 11.8~18.5 deg
Operating Temperature	-40°C~+70°C

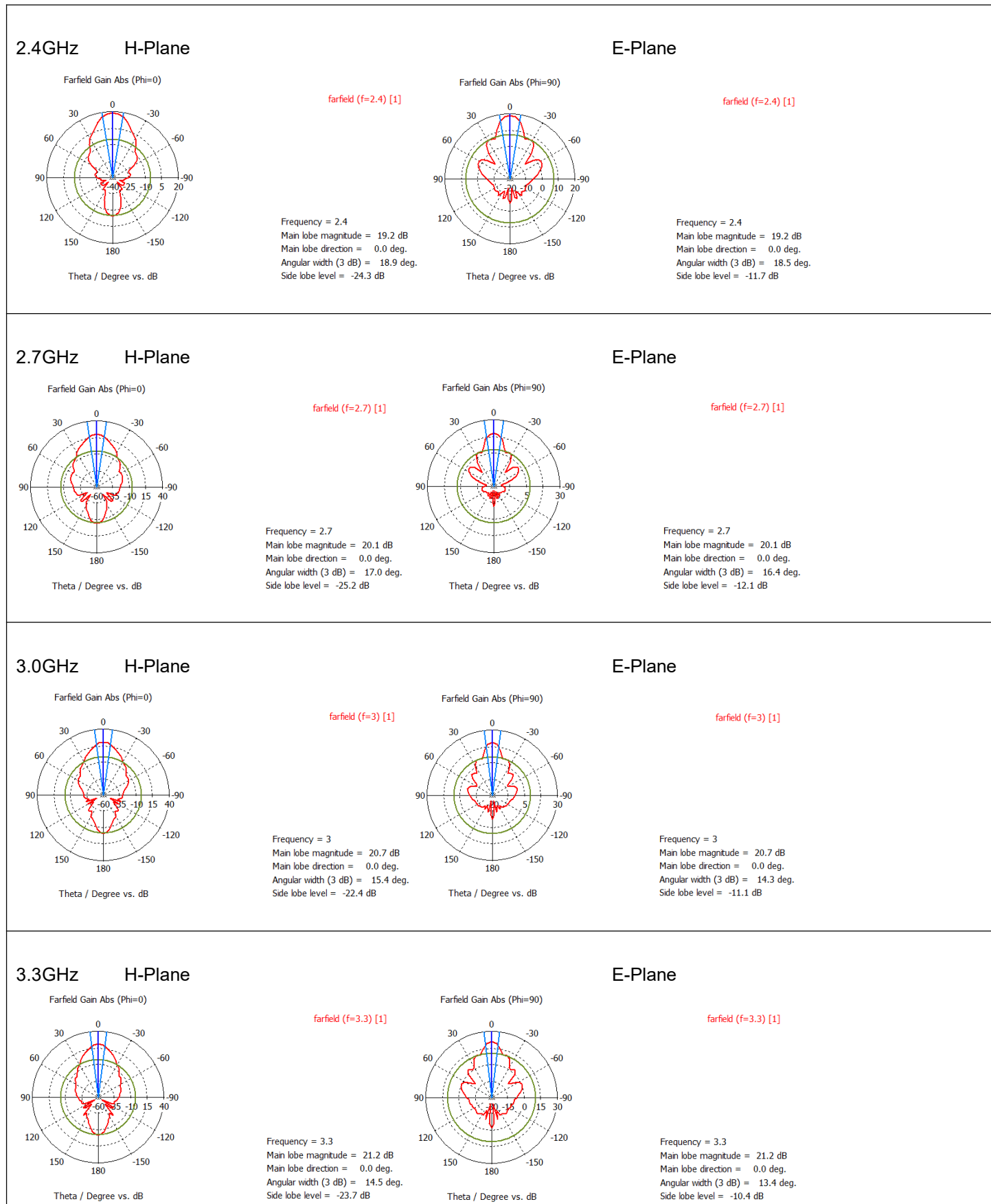
Mechanical

Waveguide Size	WR284
Flange Type	UDR32 Rectangular Cover Flange
Body Material and Finish	Aluminum, Painted
RF Connector	N Female

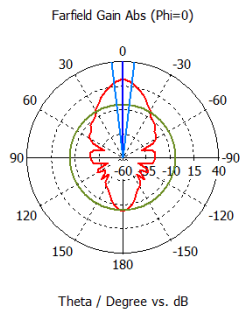
Dimensions(mm)



Simulated Antenna Patterns



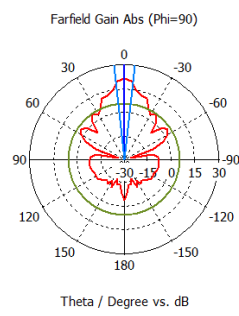
3.7GHz H-Plane



farfield (f=3.7) [1]

Frequency = 3.7
 Main lobe magnitude = 21.8 dB
 Main lobe direction = 0.0 deg.
 Angular width (3 dB) = 13.5 deg.
 Side lobe level = -26.0 dB

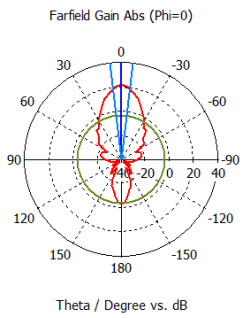
E-Plane



farfield (f=3.7) [1]

Frequency = 3.7
 Main lobe magnitude = 21.8 dB
 Main lobe direction = 0.0 deg.
 Angular width (3 dB) = 12.3 deg.
 Side lobe level = -16.4 dB

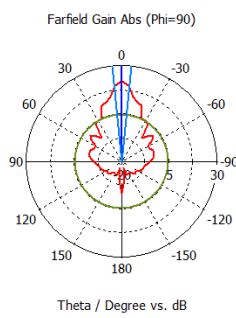
3.95GHz H-Plane



farfield (f=3.95) [1]

Frequency = 3.95
 Main lobe magnitude = 22.1 dB
 Main lobe direction = 0.0 deg.
 Angular width (3 dB) = 13.1 deg.
 Side lobe level = -25.4 dB

E-Plane



farfield (f=3.95) [1]

Frequency = 3.95
 Main lobe magnitude = 22.1 dB
 Main lobe direction = 0.0 deg.
 Angular width (3 dB) = 11.8 deg.
 Side lobe level = -17.5 dB

Gain

