

ANHP-XX24 Standard Pyramidal Horn Antenna, 24 dBi Gain

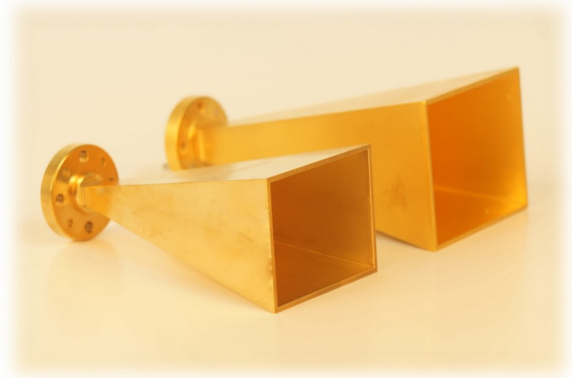
Features:

- Rectangular Waveguide Input
- Precisely Machined and Gold Plated
- Low VSWR

Product Description:

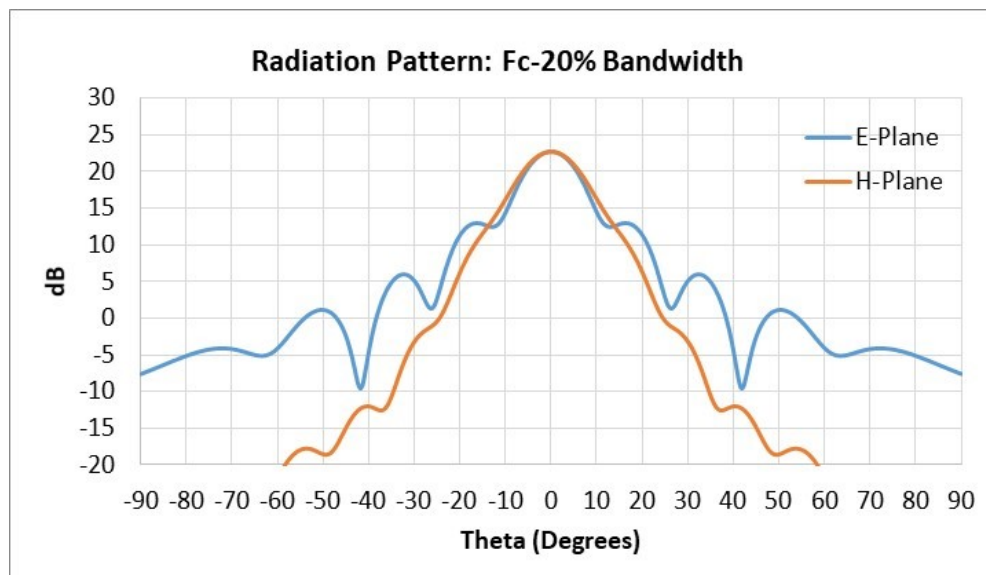
Raytech's ANHP-XX24 series of standard gain horn antennas cover the frequency range of 12 to 260 GHz in 12 waveguide bands. The antenna offers 24 dBi nominal gain with a half power beamwidth of 9.5 degrees and 11.0 degrees on the E-plane and H-plane, respectively at the mid-band frequency.

The horns are precisely fabricated to control the aperture size and flare angle. It is used for calibration standard as well as a wide variety of RF radiation measurements.

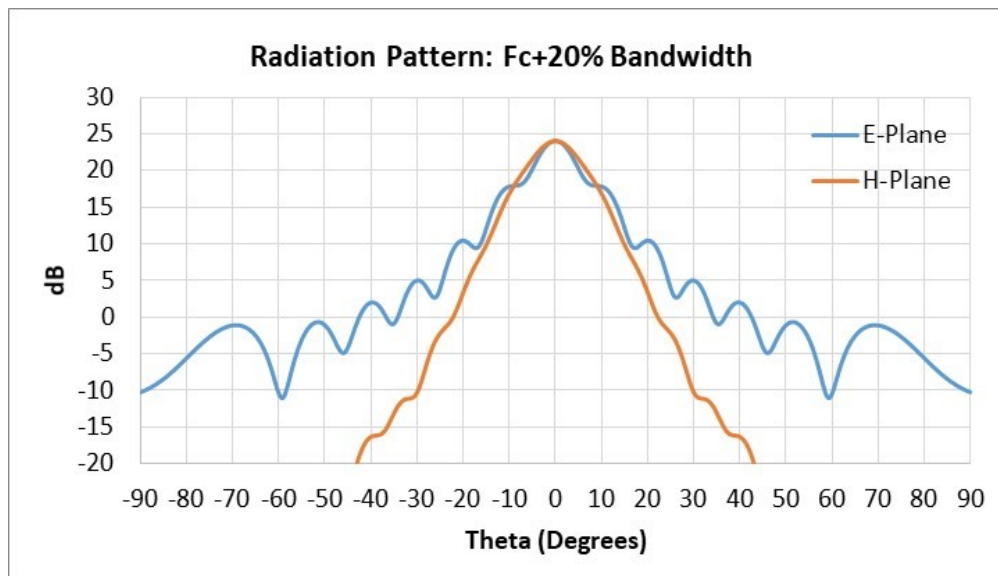
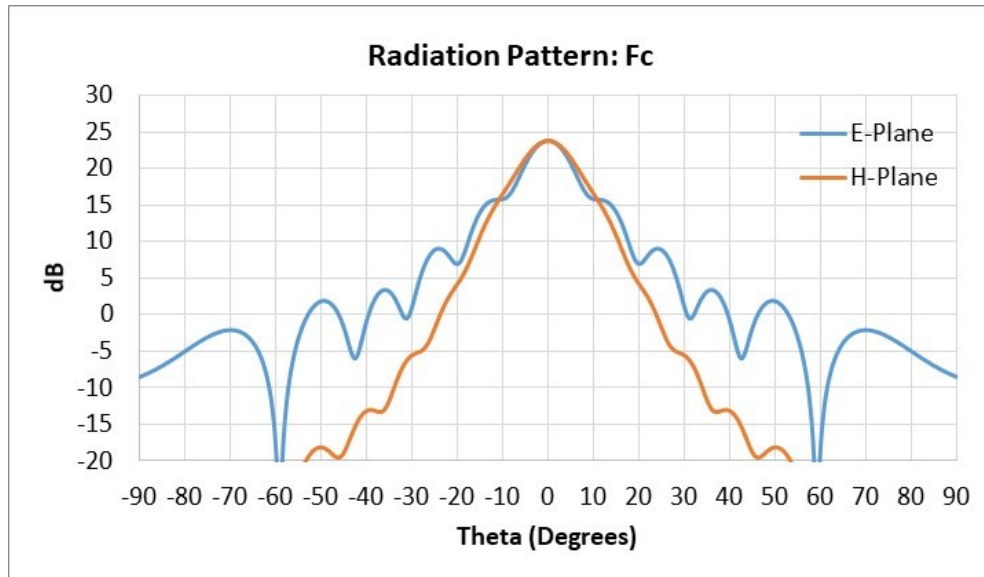


SPECIFICATIONS

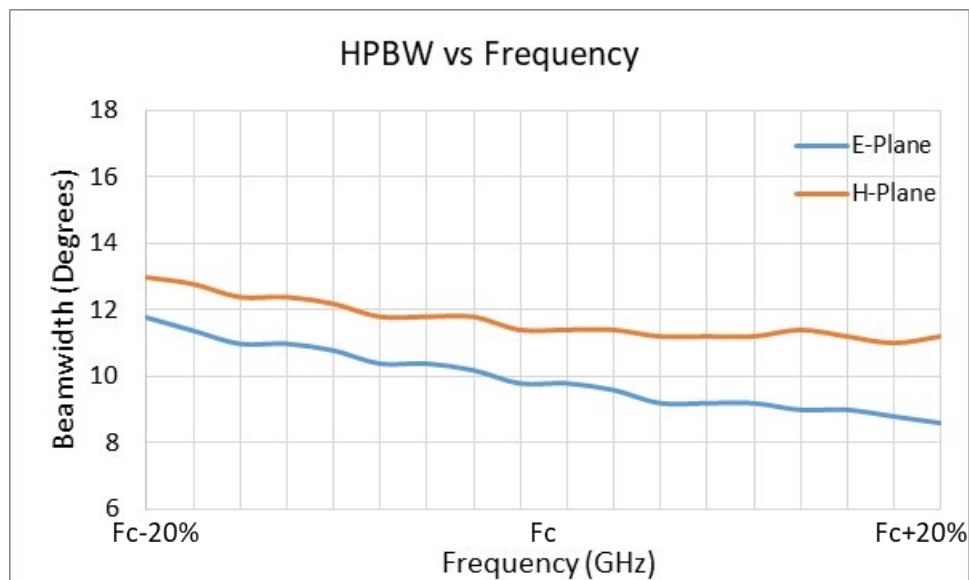
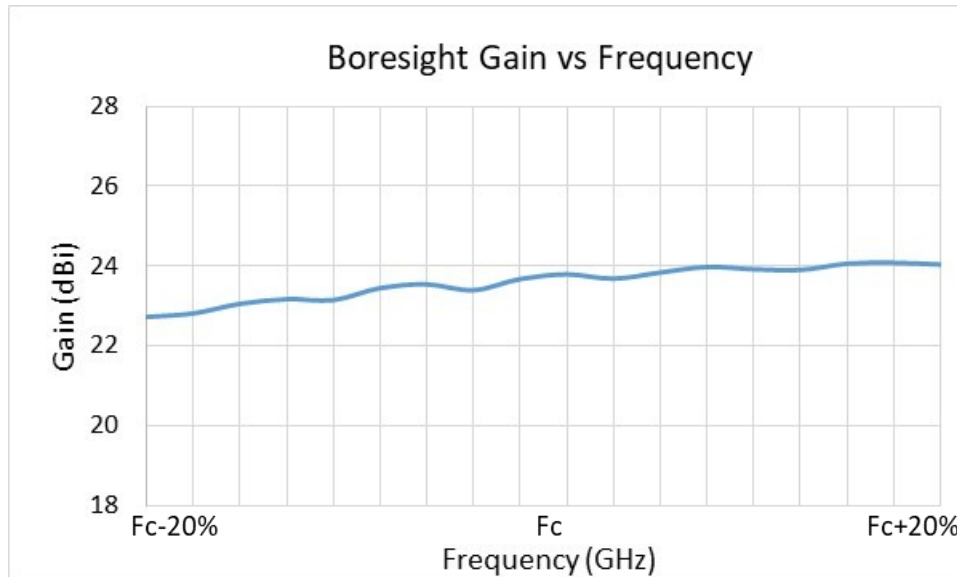
FREQUENCY BAND	Ku	K	Ka	Q	U	V	E	W	F	D	G	G
Frequency Range (GHz)	12.4-18	18-26.5	26.5-40	33-50	40-60	50-75	60-90	75-110	90-140	110-170	140-220	170-260
Waveguide Size	WR-62	WR-42	WR-28	WR-22	WR-19	WR-15	WR-12	WR-10	WR-8	WR-6	WR-5	WR-4
VSWR (max)	1.10:1					1.15:1				1.25:1		
Mid-band Gain (dBi)	24											



ANHP-XX24 Standard Pyramidal Horn Antenna, 24 dBi Gain



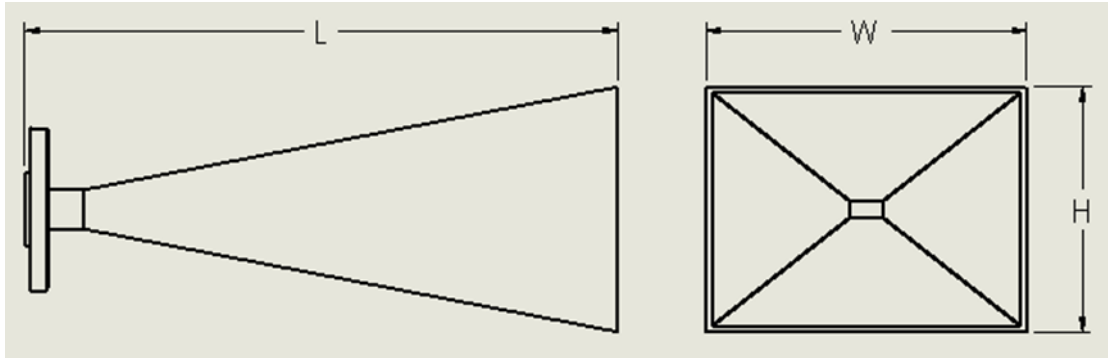
ANHP-XX24 Standard Pyramidal Horn Antenna, 24 dBi Gain



ANHP-XX24

Standard Pyramidal Horn Antenna, 24 dBi Gain

Outline Drawings / Mechanical Specifications:



PYRAMIDAL HORNS WITH RECTANGULAR WAVEGUIDE INPUT, inches [mm]								
Frequency Band	Waveguide Size	Waveguide Dimension	Flange Pattern	Outline Dimensions			Material	Finish
				W	H	L		
Ku	WR-62	0.622 X 0.311 [0.00 X 7.90]	UG-419/U	5.63 [143.1]	4.30 [109.1]	9.89 [251.2]	Aluminum	Oxidation
K	WR-42	0.420 X 0.311 [0.00 X 7.90]	UG-595/U	4.02 [102.0]	3.02 [76.6]	7.44 [189.0]	Aluminum	Oxidation
Ka	WR-28	0.280 X 0.140 [0.00 X 3.56]	UG-599/U	2.74 [69.6]	2.09 [53.1]	5.24 [133.0]	Brass	Gold
Q	WR-22	0.224 X 0.112 [0.00 X 2.84]	UG-383/U	2.22 [56.3]	1.70 [43.1]	4.27 [108.5]	Brass	Gold
U	WR-19	0.188 X 0.094 [0.00 X 2.39]	UG-383/U	1.87 [47.5]	1.44 [36.4]	3.41 [86.6]	Aluminum	Gold
V	WR-15	0.148 X 0.074 [0.00 X 1.88]	UG-385/U	1.43 [36.4]	1.10 [28.0]	2.58 [65.5]	Brass	Gold
E	WR-12	0.122 X 0.061 [0.00 X 1.55]	UG-387/UM	1.24 [31.4]	0.96 [24.3]	2.21 [56.0]	Brass	Gold
W	WR-10	0.100 X 0.050 [0.00 X 1.27]	UG-387/UM	1.01 [25.6]	0.78 [19.8]	1.75 [44.5]	Brass	Gold
F	WR-8	0.080 X 0.040 [0.00 X 1.02]	UG-387/UM	0.83 [21.0]	0.65 [16.4]	1.40 [35.6]	Brass	Gold
D	WR-6	0.0650 X 0.0325 [0.00 X 0.83]	UG-387/UM	0.71 [18.1]	0.56 [14.2]	1.20 [30.5]	Brass	Gold
G	WR-5	0.0510 X 0.0255 [0.00 X 0.65]	UG-387/UM	0.60 [15.2]	0.47 [12.0]	0.98 [24.9]	Brass	Gold
	WR-4	0.0430 X 0.0215 [0.00 X 0.55]	UG-387/UM	0.52 [13.2]	0.41 [10.5]	0.83 [21.1]	Brass	Gold

Note: Raytech Inc. reserves the right to change the information presented without notice.