

## Gamma Nu Wideband Cellular 2x2 MIMO Beam Antenna

Product Code  
 DO17X20HFB2P

Polarisation  
 Dual Slant  $\pm 45^\circ$   
 2x2 MIMO

Design Type  
 Suspended Plate

Application Category

Cell Edge  
 DAS/IBC  
 Small Cell

RF Category  
 Cellular

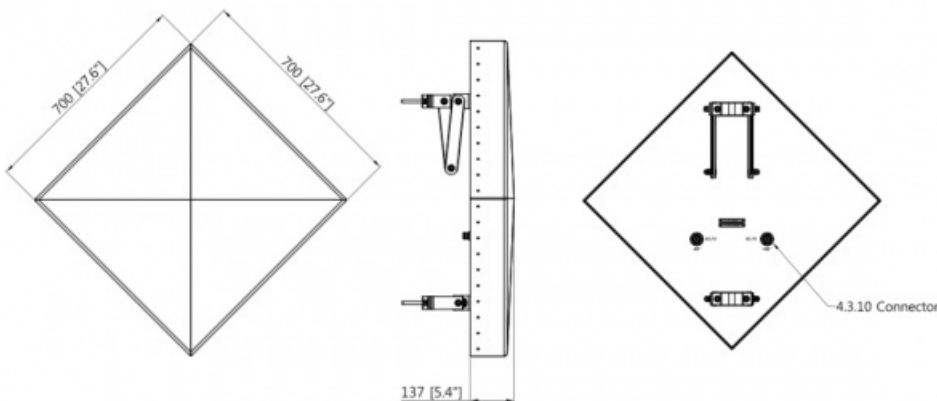


Gamma Nu's DO17X20HFB2P is an advanced 2x2 MIMO high gain plate antenna covering most cellular bands worldwide from 700 to 2700 MHz. This 2x2 MIMO antenna generates a narrow beam, suitable for spot coverage in DAS or long range multiband FWA connectivity.

This antenna provides one of the highest wideband gains of any 2x2 antenna system on the market - with a peak gain of 19.4 dBi.

Designed for use by mobile network operators the antenna is very low PIM, meeting -153 dBc. Supplied standard with two 4.3-10 Female connectors.

### ▼ Antenna Technical Data



#### Physical Characteristics

Construction Material	Fibreglass (GRP)	RF Connections	1
Radome Colour	Other - Grey	Environmental Rating	No Data

## Physical Characteristics

Dimensions	700 x 700 x 137 mm (L x W x D)	Operating Temperature	to
Weight	18.0000 kg	Mounting	Pole, bracket included

### ▼ Cellular MIMO-1, MIMO-2 Element

#### Electrical Specifications

Input Impedance 50  $\Omega$

Polarisation **Dual Slant  $\pm 45^\circ$**

Max. Input Power 100 W

PIM, 3rd Order -153 dBc

#### Mechanical Specifications

Input Connector **4.3-10**

Input Connector Gender Female

Cable Series -

Cable Length -

### ▼ Range: 698 to 806 MHz

Peak Gain 16.10 dBi

Azimuth Beamwidth 27°

VSWR 1.7:1

Elevation Beamwidth 27°

Radiation Efficiency No Data

Electrical Tilt 0°

Front-to-Back Ratio > 23 dB

Inter-Port Isolation > 25 dB

Cross-Polar Discrimination -

Cross-Polar Isolation -

### ▼ Range: 806 to 960 MHz

Peak Gain 16.10 dBi

Azimuth Beamwidth 22°

VSWR 1.7:1

Elevation Beamwidth 22°

Radiation Efficiency No Data

Electrical Tilt 0°

Front-to-Back Ratio > 25 dB

Inter-Port Isolation > 25 dB

Cross-Polar Discrimination -

Cross-Polar Isolation -

### ▼ Range: 1695 to 1910 MHz

Peak Gain 17.10 dBi

Azimuth Beamwidth 20°

VSWR 1.7:1

Elevation Beamwidth 19°

Radiation Efficiency No Data

Electrical Tilt 0°

Front-to-Back Ratio	> 33 dB	Inter-Port Isolation	> 25 dB
Cross-Polar Discrimination	-	Cross-Polar Isolation	-

▼ Range: 1910 to 2180 MHz

Peak Gain	18.90 dBi	Azimuth Beamwidth	17°
VSWR	1.7:1	Elevation Beamwidth	16°
Radiation Efficiency	No Data	Electrical Tilt	0°
Front-to-Back Ratio	> 34 dB	Inter-Port Isolation	> 25 dB
Cross-Polar Discrimination	-	Cross-Polar Isolation	-

▼ Range: 2180 to 2700 MHz

Peak Gain	19.40 dBi	Azimuth Beamwidth	14°
VSWR	1.7:1	Elevation Beamwidth	14°
Radiation Efficiency	No Data	Electrical Tilt	0°
Front-to-Back Ratio	> 36 dB	Inter-Port Isolation	> 25 dB
Cross-Polar Discrimination	-	Cross-Polar Isolation	-

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