

# Crossed-Dipole Uplook and Directional Patch

Peak Antennas' crossed-dipole uplook (XDU) and directional patch (DP) antennas are intended for general wide coverage quasi-directional applications. Used either across an arena or golf course, or in an uplook/downlook environment, these proven designs provide high performance with rugged simplicity.

Different mounting styles and packaging are available to suit different applications. For example, ultra lightweight and compact versions of DP antennas are especially suitable for body-worn applications.

**XDU** antennas are circularly polarized (RHCP or LHCP) and available in most bands up to 7 GHz. Two versions are offered, standard 5 dBi gain (90 deg beamwidth) and cavity-enhanced **9 dBi** gain (55 deg beamwidth).

**DP** antennas can be either circularly (RHCP or LHCP) or linearly polarized. Standard gain is 7 dBi (70 deg beamwidth), whilst the ultra-compact versions have 6 dBi gain (80 deg beamwidth).

**XDU** antennas are supplied with a choice of through-hole flange or blind helicoil inserts in the base for mounting.

**DP** antennas have a through-hole flange for mounting.

## Specifications:

Frequency band:	See table overleaf
Polarization:	XDU - RHCP or LHCP (specify) DP - RHCP, LHCP or Linear (specify)
Return loss:	14 dB (1.5:1 VSWR) typical
Axial Ratio:	3 dB typical (5 dB max) for CP
Power Handling:	10W
Connector:	SMA female or N female



## PEAK ANTENNAS

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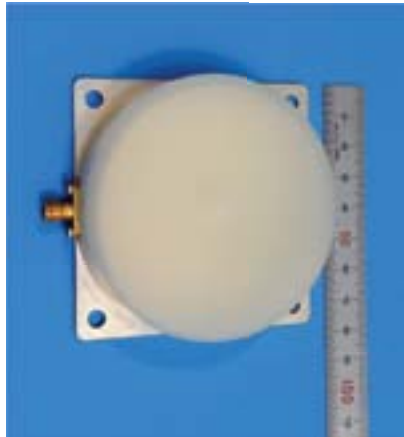
Peak Antennas LLC  
200 Main St., Unit 3A  
Monroe, CT 06468 USA  
Tel/Fax: +1 203 268 3688  
Email: [MDPeakantennas@aol.com](mailto:MDPeakantennas@aol.com),  
[info@peakantennas.com](mailto:info@peakantennas.com)

# Crossed-Dipole Uplook and Directional Patch

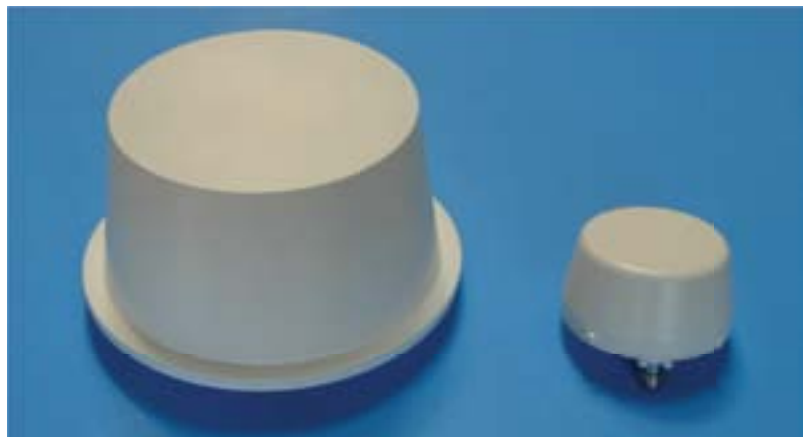
Designation	Frequency	Gain	Beamwidth	Dimensions
XDU70-5	690-740 MHz	5dBi	90 degrees	220mm dia/107mm high
XDU150-5	1.45-1.55 GHz	5dBi	90 degrees	110mm dia/70mm high
XDU165-5	1.6-1.7 GHz	5dBi	90 degrees	110mm dia/70mm high
XDU173-5	1.70-1.76 GHz	5dBi	90 degrees	95mm dia/50mm high
XDU225-5	1.98-2.50 GHz	5dBi	90 degrees	83mm dia/48mm high
XDU 225-9	1.98-2.50 GHz	9dBi	55 degrees	160mm dia/48mm high
XDU250-5	2.30-2.70 GHz	5dBi	90 degrees	83mm dia/48mm high
XDU250-9	2.30-2.70 GHz	9dBi	55 degrees	147mm dia/45mm high
XDU470-9	4.40-5.00 GHz	9dBi	55 degrees	79mm dia/28mm high
XDU495-5	4.70-5.20 GHz	5dBi	90 degrees	54mm dia/30mm high
XDU675-5	6.40-7.10 GHz	5dBi	90 degrees	54mm dia/30mm high
XDU675-9	6.40-7.10 GHz	9dBi	55 degrees	57mm dia/25 mm high
XDU740-5	7.10-7.70 GHz	5dBi	90 degrees	54mm dia/30mm high

DP130-6	1.23-1.40 GHz	6dBi	80 degrees	117x117x25mm
DP148-6	1.43-1.58 GHz	6dBi	80 degrees	117x117x25mm
DP178-6	1.71-1.85 GHz	6dBi	80 degrees	117x117x22mm
DP205-6	1.98-2.11 GHz	6dBi	80 degrees	76x76x19mm
DP215-7	2.00-2.30 GHz	7dBi	70 degrees	129x129x19mm
DP230-6	2.20-2.40 GHz	6dBi	80 degrees	68x68x17mm
DP240-7	2.3-2.5 GHz	7dBi	70 degrees	114x114x17mm
DP250-6	2.40-2.60 GHz	6dBi	80 degrees	68x68x17mm
DP255-7	2.40-2.70 GHz	7dBi	70 degrees	114x114x17mm
DPA470-18	4.40-5.00 GHz	18dBi	18 degrees	217x217x13mm

Please ask us if your application requires a frequency band not listed here.



DP205-6



XDU70-5 and XDU225-5

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Peak Antennas LLC  
 200 Main St., Unit 3A  
 Monroe, CT 06468 USA  
 Tel/Fax: +1 203 268 3688  
 Email: [MDPeakantennas@aol.com](mailto:MDPeakantennas@aol.com),  
[info@peakantennas.com](mailto:info@peakantennas.com)