

<b>XXX-Pol Panel 824 – 960 / 1710 – 2180 / 3300 - 3800 MHz</b>	<b>65°</b>	<b>14 / 17 / 18 dBi</b>
<b>Electrically Beam Tilt</b>		
Model Number: K-XXXGDUW-65141718-EDT		

### Product Description

This antenna is covering frequency range from 824 – 970 / 1710 – 2180 / 3300 – 3800 MHz and covered by a UV resistant radome. This antenna has six connectors mounted at the bottom side.



### Features

- Horizontal Beamwidth: 65°
- Polarization Dual  $\pm 45^\circ$
- Side by side construction allows independent control of each antenna array
- Electrical Downtilt: Continuously Adjustable
- At least 30 dB isolation between polarization's
- Includes null fill of the 1st and 2nd lower nulls
- Stable horizontal and vertical beamwidths
- Very low beam squint over frequency band
- Effective polarization diversity ensured by high cross-polar discrimination
- Low wind load

<b>ELECTRICAL SPECIFICATIONS</b>	
Frequency Range, MHz	824 - 960 / 1710 - 2180 / 3300 - 3800
Polarization	Dual $\pm 45^\circ$
Gain, dBi	14 / 17 / 18
VSWR	< 1.5:1
Impedance, ohms	50
Isolation, between ports	> 30 dB
Isolation, between bands	> 30 dB
Radiation Pattern	Directional
Horizontal 3-dB Beamwidth	$65^\circ \pm 5^\circ$
Vertical 3-dB Beamwidth	$16^\circ \pm 1^\circ / 7^\circ \pm 1^\circ / 6.5^\circ \pm 0.5^\circ$
Electrical Downtilt, Continuously Adjustable	$0^\circ - 14^\circ / 0^\circ - 14^\circ / 0^\circ - 10^\circ$
1st Upper Sidelobe Suppression, dB	> 15 / > 15 / > 18
Front-to-Back Ratio ( $180^\circ \pm 30^\circ$ ), dB	> 25 / > 25 / > 30
Cross-Polar ratio Main-direction $0^\circ$ Sector $\pm 60^\circ$	Typically: 25 dB / 25 dB / 25 dB > 10 dB / > 10 dB / > 10 dB
Intermodulation IM3	< -150 dBc (2 $\times$ 43 dBm carrier)
Maximum Power Rating, W	400 / 200 / 150
Input Connector	4 $\times$ 7-16 Female and 2 $\times$ N-Type Female
Lightning Protection	DC Grounded
<b>MECHANICAL SPECIFICATIONS</b>	
Weight, kg	Approx. 22.5
Dimensions - H $\times$ W $\times$ D, mm	Approx. 1400 $\times$ 400 $\times$ 135
Connector position	Bottom
Mounting Hardware Materials	Hot-dip galvanized steel
Reflector Material	Aluminum
Radiating Element Material	Brass
Radome Material	UPVC
Radome Color	Light Grey / White
Mechanical Downtilt, degree	0 - 12
Bracket Diameter, mm	50 - 115
Operating Temperature Range, $^\circ\text{C}$	-40 to +65
Max. Wind Speed, km/h	200
Weight with clamps, kg	-
Packing Dimensions - H $\times$ W $\times$ D, mm	-