XXXX-Pol Panel 3300 - 3800 MHz	65°	18 dBi
Electrically Beam Tilt		
Model Number: K-XXXXW-6518-EDT-A		

Product Description

This antenna is covering frequency range from 3300 – 3800 MHz and covered by a UV resistant radome. This antenna has eight N-Type Female connectors mounted at the bottom side. These antennas are especially well suited for two 4T4R system (WiMAX 4T4R + TD-LTE 4T4R). For two 4T4R system it is recommended 1 to 4 port numbers as a group for one system and 5 to 8 port numbers for another system.

Features

- Horizontal Beamwidth: 65°
- Polarization Dual ± 45°
- Side by side construction allows independent control of each antenna array
- Electrical Down tilt: Continuously Adjustable
- At least 30 dB isolation between ports
- 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
- 8 Ports 3300 – 3800 MHz

ELECTRICAL SPECIFICATIONS								
Frequency Range, MHz	3300 - 3800							
Polarization	Dual ± 45°							
Column Position	Left Bottom		Left Top		Right Bottom		Right Top	
Port Number Polarization Type	1 +45	2 -45	3 +45	4 -45	5 +45	6 -45	7 +45	8 -45
Gain, dBi	17.5 ± 0.5 dB							
VSWR	< 1.5:1							
Impedance, ohms	50							
Isolation between ports	> 30 dB							
Radiation Pattern	Directional							
Horizontal 3-dB Beamwidth	65°±5°							
Vertical 3-dB Beamwidth	6.5°±0.5°							
Electrical Downtilt, Continuously Adjustable	0° - 12°							
Electrical Downtilt Deviation	< 1°							
1st Upper Side lobe Suppression, dB	> 18 typical up to 20° above horizon							
Front-to-Back Ratio (180°±30°), dB	> 30							
Cross-Polar ratio Main-direction 0° Sector ± 60°	Typically: 20 dB > 10 dB							
RET Option	2 × Integrated RET (AISG 2.0)							
Intermodulation IM3	< -150 dBc (2 × 43 dBm carrier)							
Maximum Power Rating, W	150							
Input Connector	8 × N-Type Female							
Lightning Protection	DC Grounded							
MECHANICAL SPECIFICATIONS								
Weight without Mounting Hardware, kg	Approx. 20							
Dimensions - H×W×D, mm	Approx. 1450 × 301 × 129							
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, °C	-40 to +65							
Survival Wind Speed, km/h	200							
Mounting Hardware Weight, kg	1							
Packing Dimensions - H×W×D, mm	-							

XXXX-Pol Panel 3300 - 3800 MHz	65°	18 dBi
Electrically Beam Tilt		
Model Number: K-XXXXW-6518-EDT-B		

Product Description

This antenna is covering frequency range from 3300 – 3800 MHz and covered by a UV resistant radome. This antenna has eight N-Type Female connectors mounted at the bottom side. These antennas are especially well suited for two 4T4R system (WiMAX 4T4R + TD-LTE 4T4R) and 8T8R TDD network. For two 4T4R system it is recommended 1 to 4 port numbers as a group for one system and 5 to 8 port numbers for another system.

Features

- Horizontal Beamwidth: 65°
- Polarization Dual ± 45°
- Side by side construction allows independent control of each antenna array
- Electrical Down tilt: Continuously Adjustable
- At least 28 dB isolation between ports
- 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
- 8 Ports 3300 – 3800 MHz

ELECTRICAL SPECIFICATIONS									
Frequency Range, MHz	3300 - 3800								
Polarization	Dual ± 45°								
Column Number	1		2		3		4		
Port Number Polarization Type	1 +45	2 -45	3 +45	4 -45	5 +45	6 -45	7 +45	8 -45	
Gain, dBi	17.5 ± 0.5 dB								
VSWR	< 1.5:1								
Impedance, ohms	50								
Isolation between ports	> 28 dB								
Radiation Pattern	Directional								
Horizontal 3-dB Beamwidth	65°±5°								
Vertical 3-dB Beamwidth	6.5°±0.5°								
Electrical Downtilt, Continuously Adjustable	0° - 12°								
Electrical Downtilt Deviation	< 1°								
1st Upper Side lobe Suppression, dB	> 18 typical up to 20° above horizon								
Front-to-Back Ratio (180°±30°), dB	> 30								
Cross-Polar ratio Main-direction 0° Sector ± 60°	Typically: 20 dB > 10 dB								
RET Option	2 × Integrated RET (AISG 2.0)								
Intermodulation IM3	< -150 dBc (2 × 43 dBm carrier)								
Maximum Power Rating, W	150								
Input Connector	8 × N-Type Female								
Lightning Protection	DC Grounded								
MECHANICAL SPECIFICATIONS									
Weight without Mounting Hardware, kg	Approx. 10								
Dimensions - H×W×D, mm	Approx. 855 × 351 × 128								
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, °C	-40 to +65								
Survival Wind Speed, km/h	200								
Mounting Hardware Weight, kg	1								
Packing Dimensions - H×W×D, mm	-								