

## BTS PANEL ANTENNA

### 1800 MHz SINGLE BAND 4-PORT GSM ANTENNA

**Model:KE1721/1721DX6515/15-DE14/E14**



**Dual-Polarization Antenna, 4-Ports, 65° horizontal beamwidth, Variable electrical tilt**

- Field adjustable electrical tilt
- Rugged and reliable design
- Excellent passive intermodulation suppression

Electrical Specifications			
Band Of Operation, MHz	1710 ~ 1880	1850 ~ 1990	1920 ~ 2170
Gain in dBi	14.5	14.8	15
HBW(degrees)	67	65	62
VBW(degrees)	15.5	15	14.5
Electrical Tilt (Degrees)	0 ~ 14	0 ~ 14	0 ~ 14
Polarization (Degrees)	± 45	± 45	± 45
Impedance (Ohms)	50	50	50
1st Null Fill dB	> -25	> -25	> -25
VSWR	< 1.5	< 1.5	< 1.5
Intermodulation IM3(@2x43 dbm)	< - 107	< - 107	< - 107
Side Lobe Suppression; dB (First sidelobe above horizon)	0°→≥14	0°→≥14	0°→≥14
	5°→≥13	5°→≥13	5°→≥13
	10°→≥12	10°→≥12	10°→≥12
Cross Polar Discrimination,dB	> 15	> 15	> 15
Front-to-Back Ratio;dB	>25	>25	>25
Isolation Between Ports,dB	>30	>30	>30
Max. Input Power (Watts)	200	200	200

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Mechanical Specifications	
Dimensions (L x W x H in mm)	730X280X 140
<b>Weight(Kgs):</b>	
Antenna	7.5
Bracket	5
Radome Material	ABS Plastic/fiberglass
Connector Type	7/16 DIN female
Connector Position	Bottom
No. of connectors	4
Operating Temperature(°C)	- 40 ° to + 60 °
Rated Wind Speed(Km/Hr)	198
Lightening Protection	Direct ground

## Radiation Pattern

