

## BTS PANEL ANTENNA

### 900 MHz SINGLE BAND CDMA/GSM ANTENNA

**Model:KE0809X6518-DE10**



Dual-Polarization Antenna, 824-960 MHz, 65° horizontal beamwidth, variable electrical tilt

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

Electrical Specifications		
Band Of Operation, MHz	824-896	870-960
Gain in dBi	17.5	18
HBW(degrees)	65	63
VBW(degrees)	8	7.5
Electrical Tilt (Degrees)	0 ~ 10	0 ~ 10
Polarization (Degrees)	± 45	± 45
Impedance (Ohms)	50	50
1st Null Fill dB	> -25	> -25
VSWR	< 1.5	< 1.5
Intermodulation IM3(@2x43 dbm)	< - 107	< - 107
Side Lobe Suppression; dB (First sidelobe above horizon)	0°→≥16	0°→≥16
	5°→≥15	5°→≥15
	10°→≥15	10°→≥15
Cross Polar Discrimination,dB	> 15	> 15
Front-to-Back Ratio;dB	>25	>25
Isolation Between Ports,dB	>30	>30
Max. Input Power (Watts)	200	200

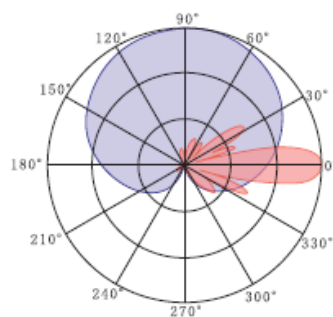
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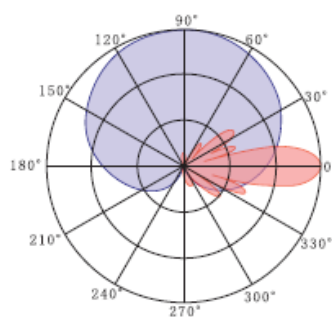
### Mechanical Specifications

Dimensions (L x W x H in mm)	2610 X 280 X 140
<b>Weight(Kgs):</b>	
Antenna	16.8
Bracket	5
Radome Material	ABS Plastic /Fiberglass
Connector Type	7/16 DIN female
Connector Position	Bottom
No. of connectors	2
Operating Temperature(°C)	- 40 ° to + 60 °
Rated Wind Speed(Km/Hr)	216
Lightening Protection	Direct ground

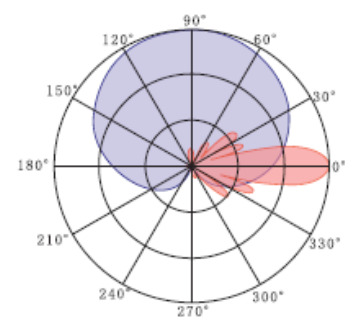
### Radiation Pattern



824MHz



896MHz



960MHz