

BTS PANEL ANTENNA

1800 MHz DUAL BAND GSM ANTENNA

Model:KE1721/1721DX6516/16-DE10/E10



Dual-Polarization Antenna, 1710-2170 MHz, 65° horizontal beamwidth, Variable electrical tilt

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

Electrical Specifications

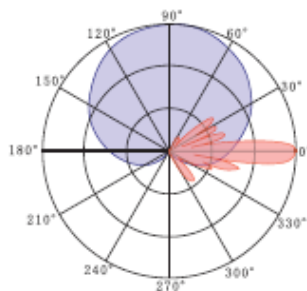
Band Of Operation, MHz	1710 ~ 1880	1850 ~ 1990	1920 ~ 2170
Gain in dBi	15.8	16	16.2
HBW(degrees)	67	65	62
VBW(degrees)	10	9.5	9
Electrical Tilt (Degrees)	0 ~ 10	0 ~ 10	0 ~ 10
Polarization (Degrees)	± 45	± 45	± 45
Impedance (Ohms)	50	50	50
1st Null Fill dB	> -25	> -25	> -25
VSWR	< 1.5	< 1.5	< 1.5
Intermodulation IM3(@2x43 dbm)	< - 107	< - 107	< - 107
Side Lobe Suppression; dB (First sidelobe above horizon)	0°→≥15	0°→≥15	0°→≥15
	5°→≥14	5°→≥14	5°→≥14
	10°→≥13	10°→≥13	10°→≥13
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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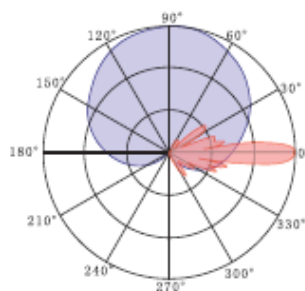
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Mechanical Specifications	
Dimensions (L x W x H in mm)	1220X280X 140
Weight(Kgs):	
Antenna	12
Bracket	5
Radome Material	ABS Plastic/fiberglass
Connector Type	7/16 DIN female
Connector Position	Bottom
No. of connectors	4
Operating Temperature(°C)	- 50 ° to + 65 °
Rated Wind Speed(Km/Hr)	198
Lightening Protection	Direct ground

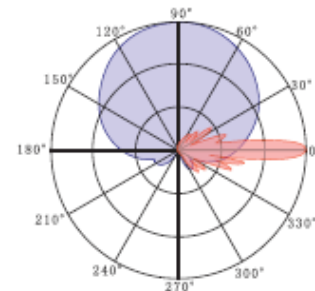
Radiation Pattern



1710~1880MHz



1850~1990MHz



1920~2170MHz