

# BTS Antenna Fixed Directional

WHA YU INDUSTRIAL CO., LTD.

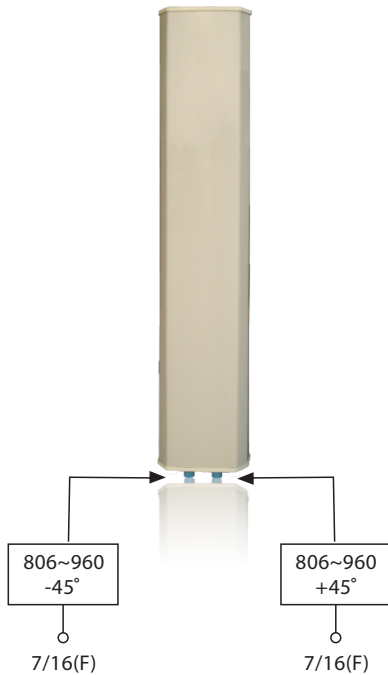
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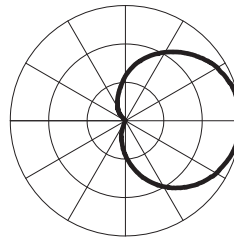


## 2GS-12X65TF0

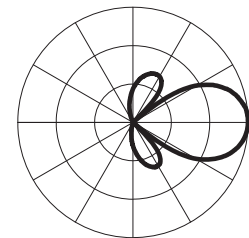


### Radiation Pattern

806~890MHz : +45° /-45° Polarization

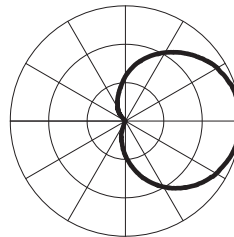


Horizontal Pattern

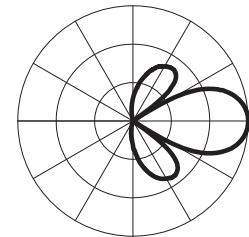


Vertical Pattern

890~960MHz : +45° /-45° Polarization



Horizontal Pattern



Vertical Pattern

### Electrical Specifications

Frequency Range (MHz)	806~890	890~960
Polarization	±45°	
Gain (dBi)	11.5	12
Electrical Downtilt (°)	Fixed 0°	
HPBW / H	66°	63°
HPBW / V	30°	28°
Front-to-Back Ratio (dB)	≥28	
Isolation(dB)	≥30	
Cross-Polar Ratio (dB)	≥15(±60° ≥10)	
Impedance (Ω)	50	
VSWR	≤1.5	
Intermodulation IM3 (2 x 43dBm carrier)	≤ -150 dBc	
Maximum Input Power (W)	500 (at 50°C ambient temperature)	
Lightning Protection	DC Ground	

### Mechanical Specifications

Connector	2 x 7/16 DIN(F)
Connector Position	Bottom
Radome Material	Fiberglass
Operating Temperature	-40°C~65°C
Mounting Hardware (φ)	50 ~ 115 mm
Dimensions (L x W x H)	650 x 270 x 138 mm