

WEIBONUO COMMUNICATION

17dBi 65° 1710–2700MHz 2x2 Panel Directional Antenna
Model: WBNK–BS1727X15i65A

Applications

- ① Supporting 3G/4G LTE/ WLAN network
- ② Typically used in outdoor distribution of signal coverage
- ③ Improves outdoor wireless network coverage and capacity
- ④ Outdoor wireless networks and Cellular networks

Features

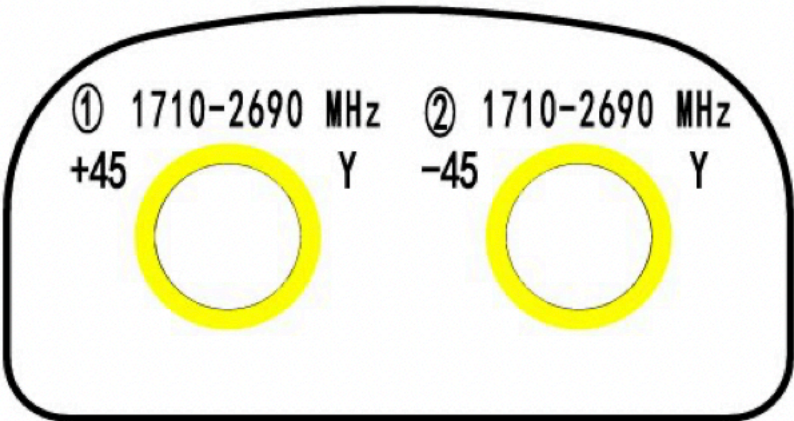
- ① Low PIM -150dBc @ 2 x 43dBm
- ② Low profile neutral housing
- ③ High quality UPVC radome with metal bracket for easy installation
- ④ Attractive, compact design and form factor ideal for outdoor distribution antenna system



Ordering Information

Part Number	3rd Order IMD Standard	Descriptions
WBNK–BS1727X15i65A	-150dBc @ 2 x 43dBm (Connector Direct from Bottom)	N–Female Connector
WBNK–BS1727X15i65A/4310		4.3–10 Female Connector
WBNK–BS1727X15i65A/716D		7/16 DIN Female Connector

* We provide antenna customization on different 3rd order intermodulation (PIM) and connector types, please let us know your requirements



Electrical Specifications

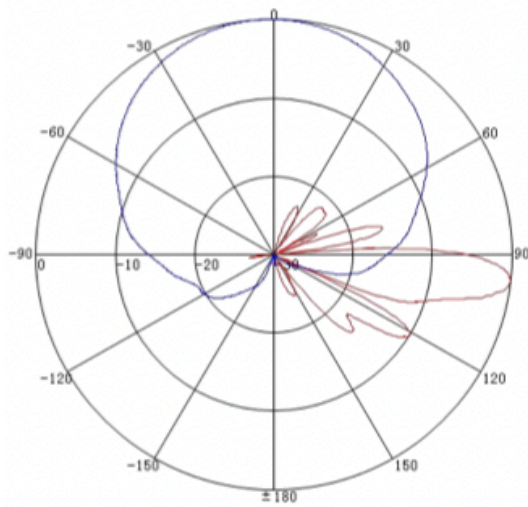
Frequency Range (MHz)	1710–1920	1920–2200	2200–2490	2490–2690
Polarization	$\pm 45^\circ$			
Gain (Typ) (dBi)	14.5	15	15.5	15.5
PIM, 3rd Order, –dBc (Max)	$\leq -150\text{dBc @ } 2 \times 43\text{dBm}$			
VSWR (Typ)	≤ 1.5			
Horizontal Beamwidth	67°	65°	63°	62°
Vertical Beamwidth	14°	13°	11°	10°
First Upper Side Lobe Suppression	$\geq 15\text{dB}$			
Front-to-Back Ratio	$\geq 25\text{dB}$			
Cross Polarization Discrimination	$\geq 15(\pm 60^\circ \geq 8)$			
Port Isolation	$\geq 28\text{dB}$			
Impedance	50 Ohm			
Max. Input Power	250 Watts			
Lightning Protection	DC Grounded			

Mechanical Specifications

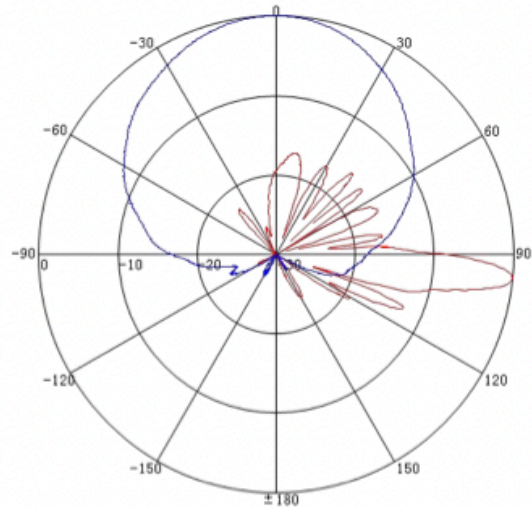
Connector	7/16 DIN Female x 2 Ports
Connector Position	Bottom
Antenna Dimensions	660*160*80mm
Packing Dimensions	1050*270*170mm
Antenna Weight	6.3kg (Bracket Included)
Radome Material	UPVC
Radome Color	Grey
Rated Wind Velocity	60m/s
Operating Temperature	-40°C to $+60^\circ\text{C}$
Pole Diameter	$\Phi 50 \sim \Phi 115\text{mm}$
Mounting Hardware	JM-1800CZ
Mechanical Tilt	$0-15^\circ$

* The products and specifications described in this document are subject to change without notice.

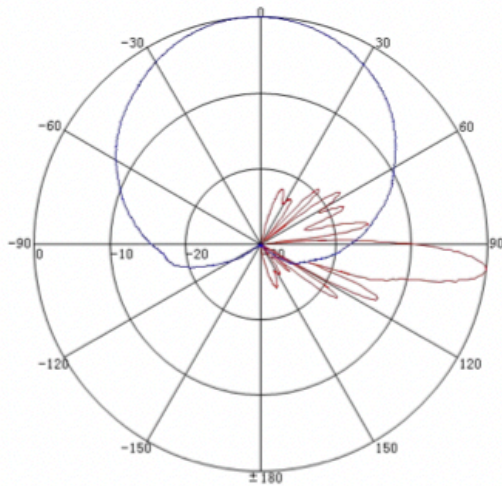
1710~1920MHz: $\pm 45^\circ$ Pol.



1920~2200MHz: $\pm 45^\circ$ Pol.



2200~2490MHz: $\pm 45^\circ$ Pol.



2490~2690MHz: $\pm 45^\circ$ Pol.

