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Tongyu 4G-5G Dual Beam Dual Polarisation Sector Antenna, 1710 to 2690 MHz, Integrated RCU

SKU ANT-TO-00002 MPN T0004L3R011

Description

Tongyu's T0004L3R011 is a dual beam dual polarised base station sector antenna, providing 2x2 MIMO in dual-slant polarisation across two beams centred at $\pm 31^{\circ}$ from boresight. The antenna covers all 4G and 5G cellular bands from 1710 to 2690 MHz, with no band gaps.

30° twin-beam antennas are most commonly used to divide a traditional 65° sector footprint into two sectors that can be fed by two radio units, to achieve a near-doubling of capacity.

The antenna has an integrated and replaceable Remote Control Unit for remote electrical tilt adjustment between 2 and 12°. Performance data are provided as representative values across all tilts and sub-arrays.





Tongyu

Established in 1996, Tongyu Communication Inc. (Stock Code:002792) is located in State-level Torch Hi-Tech Industrial Development Zone ,Zhongshan City, Guangdong Province. Focusing on R&D, production, sales and service of mobile communication antenna, communication in motion antenna, RF components, optical module and other products, Tongyu Communication is dedicated to provide domestic and ...

RF Specification

Start Frequency 1710 MHz Stop Frequency 2690 MHz Max. Input Power 200 W Polarisation Dual Slant ±45° Input Impedance 50 Ω **RF** Connectors Ports RF Interface Body Shape 8 4.3-10 Female Straight Frequency Test Data Inter-Cross-

Start Stop Peak
Freq. Freq. GainF/BF/BF/BPortPolarXPDFreq. Freq. GainIso.Iso.Iso.Iso.Iso.

1710 MHz	1990 MHz	18.5 dBi	< 1.5:1	39°	7.5°	> 25 dB	> 30 dB > 25 dB	> 18 dB
1920 MHz	2200 MHz	19 dBi	< 1.5:1	38°	6.6°	> 25 dB	> 30 dB > 25 dB	> 18 dB
2200 MHz	2490 MHz	19.4 dBi	< 1.5:1	36°	5.7°	> 26 dB	> 30 dB > 25 dB	> 18 dB
2490 MHz	2690 MHz	19.8 dBi	< 1.5:1	32°	5.3°	> 26 dB	> 30 dB > 25 dB	> 18 dB

Physical Specification

Subtype Panel / Sector Input Ports 8 MIMO 2x2 MIMO Min. Operating Temperature -50 °C Max. Operating Temperature 65 °C PIM, 3rd Order -153 dBc Dimensions 2580 x 400 x 150 **Materials** Fibreglass (GRP) Weight 41.3 kg Compliance/Certifications ISO 9001 Quality Management

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