

# WavePlexus 4G/5G RRH



Tejas' RRH is available in single band and dual band variants for B1, B3, B5, B28 FDD Bands and B40, B41 TDD Bands, supporting 2T2R and 4T4R configurations.

Tejas' RRH provides wireless access to subscriber terminals or User Equipment (UE) through our Tejas Base Bands in eNodeB/gNodeB Base station.

Tejas' RRH is compact, easy to install and designed for high power outdoor deployments, such as providing high speed broadband and voice services to meet the demand of 4G LTE Mobile Carriers, upgradable to 5G NR.

## Highlights



3GPP Rel 15 compliant



Split Sector support with 4T4R as 2x2T2R



Max RF Radiated power 40W per Port



Support of Higher order modulation up to 256QAM



AISG Support for remote Electrical Tilt

## Key Specifications

Bandwidth	Up to 20 MHz per carrier (FDD); Up to 40 MHz per carrier (TDD)
IBW / OBW	Full Band IBW/ 40 MHz
Transmit Power	40W per port/ 46 dBm
Number of Transceivers	Split sector 2*2x2; 4x4 MIMO
Remote Electrical Tilt	AISG 2.0 or above
Modulation Scheme (DL/UL)	LTE: 256QAM DL & 64QAM UL; NR: 256QAM DL & 256QAM UL
Front Haul Interface	2 Nos. of CPRI Interfaces; CPRI Line Rates – 4.9 Gbps & 9.8Gbps
Technology	3GPP Release 15 Compliant; 3GPP RAT Types: LTE, NR (SA/NSA), NB-IoT
RF Conformance Compliance	3GPP TS36.141; 3GPP TS38.141-1
Mounting	Tower, Wall and Pole Mount
IP Classification	IP67

## Environmental

Operating Temperature	-15°C to +55°C
Relative Humidity	5% to 100% (non-condensing)
Input Voltage	-40V to -60V
Power Consumption	ETSI Avg: ~335W (FDD), 350W (Dual Band), 260W (TDD)

Band	WavePlexus RRH Model	Duplex mode	RF Output Power
Band 01	TRB01004440	FDD	40W Per Port
Band 03	TRB03004440	FDD	40W Per Port
Band 05	TRB05004440	FDD	40W Per Port
Band 28	TRB28004440	FDD	40W Per Port
Band 40	TRB40004440	TDD	40W Per Port
Band 41	TRB41004440	TDD	40W Per Port
Band 01 & Band 28	TRB01284440	FDD	40W Per Port
Band 03 & Band 28	TRB03284440	FDD	40W Per Port
Band 05 & Band 28	TRB05284440	FDD	40W Per Port



**HQ: Bangalore, India**

New Delhi | Gurgaon | Mumbai | Kolkata | Chennai

[www.tejasnetworks.com](http://www.tejasnetworks.com) | +91-80-4179-4600

[info@tejasnetworks.com](mailto:info@tejasnetworks.com)

USA	UAE
UK	MALAYSIA
KENYA	SINGAPORE
SOUTH AFRICA	MEXICO
NIGERIA	BANGLADESH
ALGERIA	