

n78 8T8R Radio Unit (RU)

Tejas **n78 8T8R Radio Unit** (RU) is a part of 5G NR Macro/ Wide Area Base Station FR1 RU family.

The 5G RU is 3GPP and O-RAN 7.2x compliant, and can interoperate with ORAN 7.2x compliant Open Distributed Unit (DUs) to form gNodeB.

The RU 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 5G NR Mobile Carriers.



FEATURES



Zero Foot-Print,
Tower/Pole mounted platform



Power efficient, reducing
operational costs



40W Radiated Power per Port



Full Band IBW Support



Interoperable RU eliminating
vendor lock-in



RU can be configured as 8T8R or
dual 4T4R

Key Specifications

Operating band (Freq)	n78 (3300 to 3670 MHz)
Bandwidth	5G NR - Up to 100 MHz
IBW/OBW	370 MHz / 200 MHz
Output Power	Up to 40 Watt/Port, Total 320 Watts
MIMO	Single Sector - 8T8R or Split Sector - 4T4R
Antenna Interface	RF: 8 x 4.3 - 10(F), RET - AISG 2.0/3.0
Front Haul Interface	2 x 25GE SFP28 (eCPRI)

Mechanical

Mounting	Tower, Wall and Pole Mount
Ingress Protection Rating	Outdoor Class with IP65

Electrical

Power Supply	-48 V DC
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Environment

Operating Temperature	-20°C to 55°C
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Compliances

3GPP	Release 15 compliant, software upgradable to Release 16 and Release 17
ORAN	ORAN Option 7-2x, compliant to v04.00, software upgradable to later releases

