

# R&S®GX002 JUNCTION UNIT

1.5 MHz to 30 MHz

For supply and control of ATU based products

**New**



The R&S®GX002 junction unit forms the junction between an HF transceiver system (Rohde&Schwarz or third-party system) and the R&S®Series002 antenna tuning units (ATU). This includes:

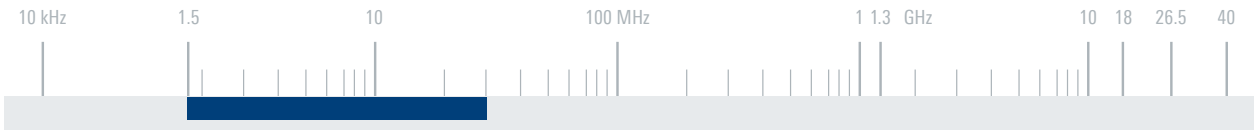
- ▶ R&S®HX002H0 HF dipole with ATU (1 kW)
- ▶ R&S®HX002H3/H3M HF dipole with ATU (150 W)
- ▶ R&S®FK002H0 antenna tuning unit (1 kW)

For controlling, the R&S®GX002 offers a LAN interface, R&S®RCB optical interface and R&S®RCB serial interfaces.

### Key facts

- ▶ Transceiver-independent control interface
- ▶ Works best with Rohde&Schwarz transceivers but also provides standard interfaces for integration with third-party radio systems
- ▶ Power supplied by AC or ground-isolated DC
- ▶ RF-cable-only interface to connected ATU
- ▶ Diagnostic system, status by LED or remote query

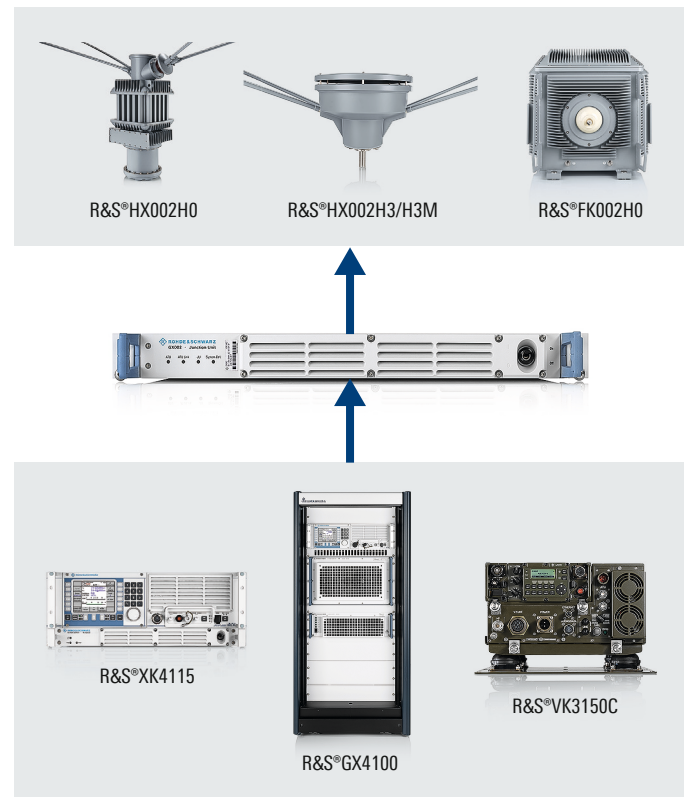




Specifications		
Frequency range		1.5 MHz to 30 MHz
Max. permissible RF input power		1 kW CW
Input impedance		50 Ω
Insertion loss		< 0.2 dB; typ. < 0.1 dB
Power supply	AC	90 V to 305 V (47 Hz to 63 Hz)
	DC	16 V to 32 V
Operating temperature range		-20°C to +55°C
Protection class	front panel	IP32
	rest of device	IP20
Dimensions		19" rackmount, 1 HU; depth approx. 450 mm (17.7 in)
Weight		approx. 7 kg (15.4 lb)

Ordering information	Type	Order No.
Junction unit	R&S®GX002	4106.0009.02
<b>Recommended extras</b>		
HF dipole with ATU	R&S®HX002H0	4102.7009.02
HF dipole with ATU	R&S®HX002H3	4015.6003.02
HF dipole with ATU	R&S®HX002H3M	4015.6003.12
Antenna tuning unit (1 kW)	R&S®FK002H0	4105.8006.02

System overview (sample components)



Rear view of the R&S®GX002