

NOKIA

AirScale Micro RRH AZQR-n78 (Band 43)

n78(Band 43) AirScale Micro RRH (AZQR- 475148A)

Compact 4T/4R 20W Multicarrier Remote Radio Head

Specification	Details
3GPP Band	n78 (Band 43) 3600-3800MHz
RF output power	Up to 4x5W per TX path (0.5 dB steps down to 50mW)
Bandwidth	IBW: 80MHz; OBW: 80MHz
Capacity	4G BW:10,15,20MHz 5G BW: 20MHz ¹ (Up to total 4 carriers per radio)
Physical size (HxWxD)	DC: 295mm x 245mm x 75mm; ~5.8L/ ~6.5Kg; AC: 295mm x 270mm x 75mm; ~6.4L / ~7.6kg
Modulation	Up to 256QAM
Interfaces	2 CPRI ports for Fronthaul (2x 9.8Gbps) 1 port for External Alarm
Mounting Options	Wall, Pole, Strand, Enclosure, Bookshelf
Antenna	Configuration: 4T4R or 2T2R MIMO Types: Directional Panel or External Connector: Nex10
Power Consumption	110W (Typ.); 150W (Max)
Input power	DC: -40.5V to -57V AC: 80V to 276V (via external AC/DC converter)
Regulatory	ETSI

1. HW is ready to support up to 20MHz BW carrier for 5G. For latest on SW support for 5G only, 4G+5G concurrent and associated Type Approvals, please check with Product Management.

AirScale Micro Remote Radio Head benefits

- Manages cell site costs with right size radio for the right purpose.
- Reduces OPEX with common management system for Macro and Micro cells
- Provides deployment flexibility for different use cases with versatile installation scenarios
- Tunable Output Power



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Environmental Specifications

Specification	Details
Operational (Ambient) Temperature Range	- 40oC to +55oC
Storage Temperature Range	-- 40oC to +70oC
Cold Start	Yes
Operational Humidity	0% to 100% (Packed) 5% to 93% (Unpacked)
Ingress Protection Rating	IP65
Seismic	Zone-4
Casting Color	CMD4
Airflow Clearance	Front: 35mm / Rear: depends on mounting bracket Top: 100mm / Bottom: 180mm Left: 50mm / Right: 50mm



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Multiple views and Connector Interface

