

RADIO 2219

The Radio 2219 is a 2T/2R outdoor macro radio with up to 2x80W output power*. Radio 2219 is part of the Ericsson Radio System portfolio. Radio 2219 can be combined with the Radio 0208 to increase the amount receiver branches from 2 to 4.

It supports a number of vertical mounting scenarios and provides great flexibility with the one-bolt installation and the Ericsson Rail system.

With Radio 2219 Ericsson evolves the macro radio part of the portfolio to become even more flexible and making it easier than ever to build small and efficient single and multi-band macro radio installations.

The Radio 2219 should preferably be located near the antenna but can be located up to 40 km from the baseband unit. A fiber optic cable can be used to connect the Radio 2219 to the baseband unit and several radio units can be connected in a cascade or star configuration. Towards the antenna system Radio 2219 provides support for TMA and RET.

GSM, WCDMA and LTE is supported with up to 8 carriers in total. A mix of 2 standards is supported with and IBW of up to 60 MHz*.

*Band dependent





Technical specification for Radio 2219

FREQUENCY BANDS

Bands: 3GPP bands B0A (GWL), B1 (WL), B1-CN (WL), B2 (GWL), B3 (GL), B3A (GL), B3B (GL), B5 (GWL), B5B (L), B8 (GWL), B8A (GWL) and B28 (L)

HW CAPACITY

Carrier capacity GSM: Up to 8 carriers (up to 7 GSM carriers in MSR)
Carrier capacity WCDMA: Up to 8 carriers
Carrier capacity LTE: Up to 40 MHz (45 MHz for B3A, B28)
IBW: 60 MHz (B1, B1-CN), 55 MHz (B3), 45 MHz (B3A, B28), up to 40 MHz all other bands
For GSM 28 MHz (B3), 25 MHz (B0A) and 20 MHz (all other bands)
MIMO: Yes, 2T2R
Output power: Up to 2 x 80 W (B2, B3, B3A, B3B, B5, B8A, B28) and up to 2 x 60 W (B0A, B1, B1-CN, B5B, B8)

INTERFACE SPECIFICATIONS

Antenna ports: 2 x 4.3-10 (f)
External Antenna Line Device: RET 2.0, using DIN 8. 12 dB gain TMA support
CPRI: 2 x 2.5/4.9/9.8 Gbps (exchangeable SFP modules)
Optical indicators: 3
Maintenance button: None
External alarms: 2 (using DIN 14)
Field ground: Dual lug

MECHANICAL SPECIFICATIONS

Weight: 18-19 kg (all bands except B28), 21 kg (B28)
Volume: 17 liter (all bands except B28), 20 liter (B28)
Mounting: Rail, wall and pole mount (vertical)

ELECTRICAL SPECIFICATIONS

Power Supply: -48 VDC (2-wire)

ENVIRONMENTAL SPECIFICATIONS

Normal operating temp.: -40 °C to +55 °C (cold start at -40 °C)
Environment: Outdoor class with IP65