The Maritime Broadband Radio is a smart antenna designed for use in any application where digital high-speed reliable communication and data transfer is crucial for efficient and safe operation. MBR 144 OEM is the low weight, compact version in the MBR family. Designed for customer specific integration, with a flexible form for easy fit into existing platforms. The antenna connections are connector-based, thus the antennas can be adjusted for the customer specific design.

**TECHNICAL SPECIFICATIONS**

**PERFORMANCE**
- User data: 0.7 to 16.5 Mbps
- Antenna coverage: Omni-directional 360 degrees azimuth
- RF specifications:
  - Frequency band: 4900 MHz to 5900 MHz
  - Channel bandwidth: 20 MHz
  - Tx power: Up to 2 W
  - Modulation: GMSK
  - Antenna connectors: 4, SMA

**INTERFACES**
- Ethernet / LAN: 1

**WEIGHTS AND DIMENSIONS**
- MBR unit (excl. cables and antennas): 260 g, 120 x 78 x 35 mm

**POWER**
- Supply voltage: 12 - 24 V DC
- Max. power consumption: 25 W
- Idle: 6 W

**ENVIRONMENTAL SPECIFICATIONS**
- Operating temperature range: -30 °C to +55 °C
- Operating humidity: 20 to 100 % RH
- Storage humidity (recommended): 20 to 70 % RH
- Ingress protection: IP41

**STANDARDS AND REGULATIONS**
- MBR is in conformity with RED directive 2014/53/EU
- EMC: ETSI EN 301 843-1, ETSI EN 301 843-7
- IEC 60945/EN 60945
- Radio: ETSI EN 303 276
- Product Safety: IEC 61010-1
- Environmental: IEC 60945/EN 60945

1) Configurable range for the single 20 MHz channel

Specifications subject to change without any further notice.