

# MBR 144 MK2 FCC



KONGSBERG



## Mobile Broadband Radio

The Mobile Broadband Radio (MBR) is a smart antenna designed for use in maritime applications where digital high-speed reliable communication and data transfer is crucial for efficient and safe operations. Completely enclosed with integrated antennas the MBR 144 MK2 FCC is designed for installations on small manned and unmanned vessels. The unit has an integrated bracket for easy installation on vertical or horizontal rails. With a built-in GNSS sensor the unit has the possibility for absolute positioning. With its neat and slim design, and only one cable to connect, the MBR 144 MK2 FCC is easy to deploy on the vessel.

## Technical specifications

### Performance

User data 0.7 - 16.5 Mbps

### Antenna coverage

Omni-directional 360 degrees azimuth

### RF specifications

Frequency band 5725 - 5850 MHz  
Channel bandwidth 20 MHz  
Antenna gain 8 dBi  
EIRP Up to 36 dBm  
Modulation GMSK  
Antenna elements 4

### Interfaces

Ethernet/LAN 1 x RJ45

### Weight and dimensions

Radio Unit 2.5 kg, 260 × 115 × 115 mm

### Power specifications

Supply voltage 24 VDC  
Max. power consumption 25 W  
Idle 7 W

### Environmental specifications

Operating temperature -40 °C - +55 °C  
Operating humidity 20 - 100 % RH  
Storage humidity 20 - 70 % RH (recommended)  
Ingress protection IP 66

### Standards and regulations

MBR is in conformity with RED directive 2014/53/EU

FCC ID	Q8IM144M2FIX
EMC	ETSI EN 301 843-1 ETSI EN 301 843-7 IEC 60945/EN 60945
Radio	FCC §15.407
Product safety	IEC 61010-1/EN 61010-1
Environmental	IEC 60945/EN 60945 DNVGL-CG-0339 IACS E10



Specifications subject to change without any further notice.