

# MBR 144 MK2 OEM FCC



KONSGBERG



## Mobile Broadband Radio

The Mobile Broadband Radio (MBR) 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 operations. MBR 144 MK2 OEM FCC is the low-weight, compact version in the MBR family. It is 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 - 16.5 Mbps

### Antenna coverage

Omni-directional 360 degrees azimuth

### RF specifications

Frequency band 5725 - 5850 MHz  
Channel bandwidth 20 MHz  
Tx power Up to 1W  
Modulation GMSK  
Antenna connectors 4, SMA

### Interfaces

Ethernet/LAN 1

### Weight and dimensions

Radio Unit 260 g, 120 × 78x 35 mm

### Power specifications

Supply voltage 12 - 24 VDC  
Power consumption 25 W, max.  
Idle 6 W

### Environmental specifications

Operating temperature -30 °C - +55 °C  
Operating humidity 20 - 100 % RH  
Storage humidity 20 - 70 % RH (recommended)  
Ingress protection IP41

### Standards and regulations

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

FCC ID Q8IM144M2OEM

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



Specifications subject to change without any further notice.