



Indoor Coverage for 1800 MHz GSM and 1800 MHz LTE Applications

## Product Classification

**Product Type** RF repeater unit

## General Specifications

**Antenna Interface at Repeater** SMA Female

**Indoor Antenna** Optional, not included

**Optional Antenna Gain** 2 dBi

**Optional Antenna Type** Omni

**Performance Note** Values typical, unless otherwise stated

**Supervision/Control Option** Heartbeat via SMS | Remote control

## Dimensions

**Height** 240 mm | 9.449 in

**Width** 240 mm | 9.449 in

**Depth** 35 mm | 1.378 in

**Optional Antenna Length** 80 mm | 3.15 in

## Electrical Specifications

**Gain, typical** 70 dB

**Gain Adjustment Range** 30 dB

**License Band** GSM 1800 | LTE 1800

**Local Power** 6 Vdc

**Mains Power** 100–240 Vac

**Return Loss** 10 dB

**Power Consumption** 20 W

## Electrical Specifications, Rx (Uplink)

**Operating Frequency Band** 1730 – 1785 MHz

# 7600606 | MR1818U

---

<b>Output Power @ One Carrier</b>	18 dBm (3GPP)   18 dBm (GSM 05.05)
<b>Output Power @ Two Carriers</b>	15 dBm (3GPP)   15 dBm (GSM 05.05)
<b>Output Power Note</b>	Possible slight degradation of LTE requirement unwanted emission limit at certain passband adjustments and carrier constellation

## Electrical Specifications, Tx (Downlink)

<b>Operating Frequency Band</b>	1825 – 1880 MHz
<b>Output Power @ One Carrier</b>	18 dBm (3GPP)   18 dBm (GSM 05.05)
<b>Output Power @ Two Carriers</b>	15 dBm (GSM 05.05)   15 dBm (UMTS)

## Environmental Specifications

<b>Operating Temperature</b>	+5 °C to +40 °C (+41 °F to +104 °F)
<b>Ingress Protection Test Method</b>	IEC 60529:2001, IP30

## Packaging and Weights

<b>Weight, net</b>	1.5 kg   3.307 lb
--------------------	-------------------

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
CHINA-ROHS	Above maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
ROHS	Compliant/Exempted
UK-ROHS	Compliant/Exempted

