



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  
**Optional Antenna Length** 80 mm | 3.15 in  
**Depth** 35 mm | 1.378 in

## Electrical Specifications

**Gain** 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

# 7566418 | MR1818L

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## Electrical Specifications, Rx (Uplink)

<b>Operating Frequency Band</b>	1710 – 1765 MHz
<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>	1805 – 1860 MHz
<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)

## 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
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## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

