



## 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** 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





## 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** 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

# 7600606 | MR1818U

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## Electrical Specifications, Rx (Uplink)

<b>Operating Frequency Band</b>	1730 – 1785 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>	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
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## 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
REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant/Exempted





## MR2118 Indoor Coverage and High Speed Data Enhancer for 2100 MHz UMTS and 2100 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** 90 mm | 3.543 in

### Electrical Specifications

**Gain** 75 dB

**Gain Adjustment Range** 30 dB

**License Band** LTE 2100 | UMTS 2100

**Local Power** 6 Vdc

**Mains Power** 100–240 Vac

**Return Loss** 10 dB

**Power Consumption** 20 W

## Electrical Specifications, Rx (Uplink)

<b>Operating Frequency Band</b>	1920 – 1980 MHz
<b>Output Power @ One Carrier</b>	18 dBm
<b>Output Power @ Two Carriers</b>	15 dBm
<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>	2110 – 2170 MHz (AWS 1700)
<b>Output Power @ One Carrier</b>	18 dBm
<b>Output Power @ Two Carriers</b>	15 dBm

## 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



## \* Footnotes

<b>EVM</b>	Error Vector Magnitude
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Indoor Coverage for 900 MHz GSM, 900 MHz UMTS, and 900 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** 90 mm | 3.543 in

## Electrical Specifications

**Gain** 70 dB

**Gain Adjustment Range** 30 dB

**License Band** GSM 900 | LTE 900 | UMTS 900

**Local Power** 6 Vdc

**Mains Power** 100–240 Vac

**Return Loss** 10 dB

**Power Consumption** 20 W

# 7599148 | MR918

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## Electrical Specifications, Rx (Uplink)

<b>Operating Frequency Band</b>	890 – 915 MHz
<b>Output Power @ One Carrier</b>	18 dBm
<b>Output Power @ Two Carriers</b>	15 dBm
<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>	935 – 960 MHz
<b>Output Power @ One Carrier</b>	18 dBm
<b>Output Power @ Two Carriers</b>	15 dBm

## 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>
CHINA-ROHS	Above maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant/Exempted







Indoor Coverage for 900 MHz EGSM, 900 MHz UMTS, and 900 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** 90 mm | 3.543 in

## Electrical Specifications

**Gain** 70 dB

**Gain Adjustment Range** 30 dB

**License Band** EGSM | LTE 900 | UMTS 900

**Local Power** 6 Vdc

**Mains Power** 100–240 Vac

**Return Loss** 10 dB

**Power Consumption** 20 W

# 7599149 | MR918E

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## Electrical Specifications, Rx (Uplink)

<b>Operating Frequency Band</b>	880 – 905 MHz
<b>Output Power @ One Carrier</b>	18 dBm
<b>Output Power @ Two Carriers</b>	15 dBm
<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>	925 – 950 MHz
<b>Output Power @ One Carrier</b>	18 dBm
<b>Output Power @ Two Carriers</b>	15 dBm

## 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>
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant

