

INSTANT INDOOR UMTS COVERAGE



Complete indoor coverage can quickly and easily be deployed through a plug and play installation of Axell Wireless low power unit, the BSR2221L. An outside donor antenna picks up the signal, whilst the indoor server antenna provides the coverage.

The gain is adjusted once at installation via a serial interface. The gain range of the repeater is designed to provide good through-the-wall coverage based on a reasonably strong outside UMTS signal level.

The output power generated by one of these units is relatively high, i.e. +17 dBm for one channel. This is an optimised power level to provide cost-effective coverage in an operator's

SPECIFICATIONS

| | |
|------------------------------------|---------------------------------------|
| Operating Frequency Range | 1920-1980MHz UL 2110-2170MHz DL |
| Operational Bandwidth | 10MHz (A-type) and 15MHz (B-type) |
| Output power per operator band | |
| Downlink (DL) 1 carrier | +17 dBm \pm 1 dBm |
| 2 carriers | +14 dBm \pm 1 dBm |
| Uplink (UL) 1 carrier | +17 dBm \pm 1 dBm |
| 2 carriers | +14 dBm \pm 1 dBm |
| Maximum gain | 70 dB |
| Gain range | 20 dB in 1 dB steps |
| Electrical Specification | |
| Power Requirements | 6.5-7.5 VDC |
| Power Consumption | Max 18 W |
| Environmental Specification | |
| Operating Temperature Range | 5 to +40°C, ETS 300 019-1-3 Class 3.1 |
| Storage Temperature Range | -40 to +85°C |
| Humidity | 85%, ETS 300 019-1-3 Class 3.1 |

SPECIFICATIONS

Mechanical Specification

| | |
|---------------------|-------------------------------|
| Dimensions | 328 x 175 x 85 mm (h x w x d) |
| Weight | 4.0 kg |
| Enclosure | IP40 |
| Antenna Connections | N-type female |

Complies with

ETSI TS 25.106, ETSI TS 25.143
ETSI EN 301 498-23, EN 301 908-11
EN 60 950
EN 60215

All data is subject to change without prior notice

AXELL WIRELESS UK
Asheridge Road
Chesham, Bucks
HP5 2QD, UK
Tel: + 44 (0) 1494 777000
Fax: + 44 (0) 1494 777002

info@axellwireless.com
www.axellwireless.com

AXELL WIRELESS SWEDEN
Box 7139
174 07 Sundbyberg
Sweden
Tel: + 46 (0) 8 475 4700
Fax: + 46 (0) 8 475 4799