



FIBRE FED REPEATERS

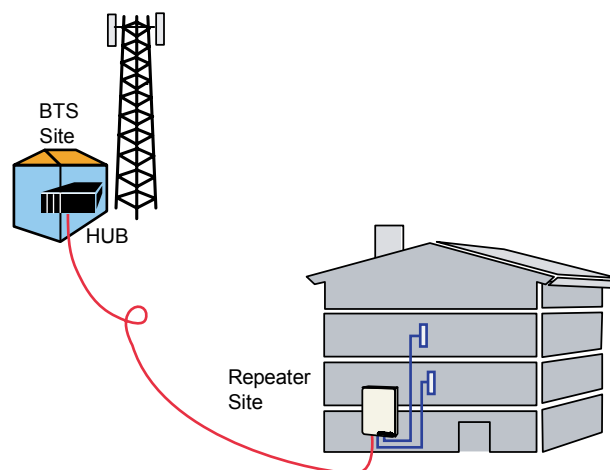
The medium power fibre fed repeater offers a quick and cost-effective means of extending coverage for indoor applications in WCDMA networks.

Coverage is easily extended inside a relatively large building or a tunnel by coupling of the signal from nearby a base station and then distributing the signal via fibre to one or several Channel Selective Fibre fed repeaters. These remote units can be installed up to 20 km from the base station site, offering a great flexibility in providing RF coverage in areas where off air transmission is not a preferable solution.

These units have an impressive low noise figure, which contributes to increasing the footprint of the repeater. In the world of WCDMA, good filter characteristics is a key issue, which is why Axell Wireless has designed a filter that meets the high demands of selectivity as well as delay.

PRODUCT BENEFITS

- High output power
- Low noise figure
- Advanced and user-friendly remote control and supervision



CSF2222	Channel Selective Fiber fed Repeater equipped with 2 channels
CSF2224	Channel Selective Fiber fed Repeater equipped with 4 channels

SPECIFICATIONS

Operating Frequency Range

Uplink (UL)	1920 - 1980 MHz
Downlink (DL)	2110 - 2170 MHz
Operational Bandwidth	60 MHz
Number of channels	2 - 4
Gain	33-63 dB, adjustable, in 1 dB steps.
Out of band gain	Compliant to ETSI TS 25.106 chapter 8

Output power/carrier	2 Channels	4 Channels
UL/DL	+ 33±1 dBm (using 3GPP TS 25.106 TM 1 / 64)	+ 30±1 dBm (using 3GPP TS 25.106 TM 1 / 64)

Antenna connectors	DIN 7/16
Electrical ratings	110/230 V AC, 50/60 Hz (alt. - 48 V)
Power Consumption (2 Channels)	100 W typical (traffic dependent)
Power Consumption (4 Channels)	170 W typical (traffic dependent)

Mechanical

Dimensions (2 Channels)	540 x 350 x 150 mm
Dimensions (4 Channels)	540 x 350 x 220 mm
Weight (2 Channels)	22 kg
Weight (4 Channels)	33 kg
Enclosure	Aluminium (IP 65)

Environmental

EMC	See compliance below
Operating Temperature	- 25 to + 55 ° C
Storage	- 30 to + 70 ° C
Humidity	ETSI EN 300 019-2-4 (see compliance below)
MTBF	> 100000 hrs
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

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