Cell Extender MPT1327 SCSA Repeater System Package

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[RF Path to Donor site] —|+ — [Displexer] — [TM8100 (Tx function)]    [TM8100 (Tx function)] — [Displexer] —X [New Cell site Coverage Area]
                                    | — [Cell Extender unit] — |
                         [Displexer] — [TM8100 (Rx function)]    [TM8100 (Rx function)] — [Displexer]
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RF Path to Donor site

New Cell site Coverage Area
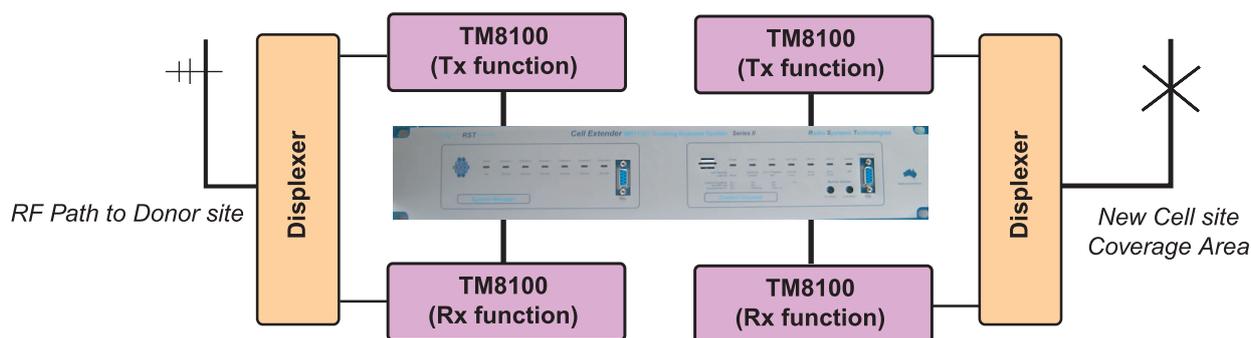
Expand the Coverage of your Single or Multi Site MPT1327 Network with this powerful low cost Single Channel Self Assign MPT1327 Repeater System!!

The new Tait TM8100 radio has a remarkable 'systems' versatility, which makes it a perfect low-cost companion for Cell Extender systems. So we have developed a special 'SCSA' (Single Channel Self Assign) hardware/software package, using a single PCB assembly only which, together with the economy of the TM8100, has resulted in substantial cost savings. We have also extended the Cell Extender software with some matching options, for instance, we have added a unique 'Channel Offset' programming option, to switch to maximum RF power when on Traffic, for optimum Voice call signal quality.

A Single Channel (SCSA) Cell Extender system is the perfect, low cost tool for seamless MPT1327 infill in 'local' areas like buildings or basements, or to cover areas where the traffic demand simply does not justify more elaborate (and far more expensive!) solutions.

Single Site MPT1327 network operators especially will capitalise on SCSA as the perfect low cost entry into Wide Area MPT1327 trunking. Use it to instantly expand your existing Single Site MPT1327 system with full Area Wide coverage. And SCSA is a no risk option, as it is readily expanded into a full Multi channel site later if/when required.

Key Features

· **Creates a new MPT1327 site, by seamlessly mirroring an existing MPT1327 ('Donor') Site onto a new MPT channel frequency**

· **Does not require expensive microwave links or land lines, nor any changes to the Parent Network infrastructure**

· **A complete SCSA site requires just an SCSA package, plus (readily sourced by the Customer) four TM8100 radios, two diplexers, two antennas, and a 12 VDC power source**

· **Easily installed, true "plug and play" package (standard TM8100 radios plug straight in)**

· **Readily upgraded to future Multi channel operation**

⚡RST⚡   **Radio Systems Technologies**