

TELECOM SOLUTIONS

- Cellular Backhaul (Wireless Bridges)
- GSM-4G-LTE, 5G Solutions (BSS)



Advanced SDR 4G/LTE-A Base Station / Small Cell -:

Wireless excellence offers high performance 4G / LTE Base stations solutions for a wide variety of applications . covering all commo. 4G / LTE bands the base stations feature Software Defined Radio (SDR) which enables great flexibility of operation and future upgrade path. 4G/LTE networks using CableFree Emerald 4G SDR base stations enjoy great flexibility, high performance as well as very low cost of operation and ownership. "Stand Alone" operation is possible which enables the 4G Base station to connect remote terminals without need for external network elements. This is deal for closed network type applications such as CCTV, campus sites and disaster recovery scenarios, where there is no centralised infrastructure or network operations centre.

Range upto 30Km depending on frequency, transmit power and channel width upgrade to 6 sectors, 4X20 W output, 4X4 MIMO 20 MHz channel with 256QAM, FDD gives: 402.2 Mbps for 6 sectors.

Advanced Features -:

- Compact software-Defined 4G/LTE Base Station.
- Ideal for Multi-Sector Macro Site.
- Spectrally Efficient, Software-Defined ratio.
- "Stand Alone" mode capable.
- The Emerald Platform can be used from 500mW to 20Wper Tx.
- Support for other Backhaul signals upto 100 MHz bandwidth.
- Supports LTE release 12,13 &14 (LTE-Advanced).
- Supports NB-IOT (Internet of things) modes.
- Upgradable upto 5G with future software releases.

