

12th March, 2014

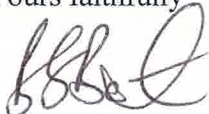
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REF: NEO51-102SERIES, Use of signal boosters.

The Power amplifiers used in the unit in the downlink direction are described as 25W and 5W in the uplink. These amplifiers are used not to produce these levels of power but to ensure good linearity in the multi- carrier environment. It is the third order intercept point we are looking for to ensure the attenuation of unwanted intermodulation products is maximum. In fact the level of total composite carrier output at the antenna port is limited to 36dBm (3.98W) in the downlink and 30dBm (1W) in the uplink this is achieved by automated level control (ALC).

The system is designed to work from an off-air yagi antenna and an internal distributed antenna system using radiating cables or antennas in a confined space environment.

Yours faithfully



For and on behalf
Axell Wireless Limited

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