



# Aerial Facilities Limited

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TRL Compliance Services Ltd  
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UK

REF: **NEO50-1574SERIES**, Declared and reported power.

The Power amplifier used in the unit in the downlink direction is described as a 100W 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 each carrier at the output is limited to 24dBm (0.25W) in the downlink and 22dBm (0.156W) in the uplink this is achieved by automated level control (ALC).

The system is designed to work from an external basestation air interface and an internal distributed antenna system in a confined space environment.

If you have any further questions or comments do not hesitate to contact me.

Yours faithfully

For and on behalf

Aerial Facilities Limited

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