



# Aerial Facilities Limited

R F System Engineering.  
Radio Site Engineering.  
Tel: +44(0)1494 777000  
Fax: +44(0)1494 777002

Aerial House,  
Asheridge Road,  
Chesham, Buckinghamshire,  
England, HP5 2QD

*4<sup>th</sup> January, 2006*

TRL Compliance Services Ltd  
Long Green  
Forthampton  
Gloucester  
GL19 4QH  
UK

REF: NEO50-1225Series, Declared and reported power.

The Power amplifiers used in the unit in the uplink and downlink direction are described as 10W and 40W.

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 20dBm in the uplink and 26dBm in the downlink, this is achieved by an individual ALC per carrier.

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

Yours faithfully

For and on behalf

Aerial Facilities Limited

Peter L Bradfield  
Senior Systems Engineer  
Tel: +44 1494 777020  
Fax +44 1494 777002  
peterb@aerial.co.uk