



Aerial Facilities Limited

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

REF: NEO55-1549BDA, Declared and reported power.

The Power amplifiers used in the unit in the downlink direction are described as 20W and in the uplink they are 1W.

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 21dBm in the downlink, this is achieved by individual ALC per carrier in the master-site.

In addition ALC in the remote units ensures that this line amplifier used as a 'standalone' units also remains within the FCC regulations. However the power achieved at the output when tested as a standalone is considerably higher than that when used in the overall system.

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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