



Luso Electronics signal wave system (**SWS**) is a low loss cross site waveguide run. It is designed to run between the switching network and the antenna to considerably reduce the insertion loss and increase the power handling over traditional waveguide. The longer the run the higher the saving, there are worthwhile savings from runs as short as 10 metres. A typical 40 metre standard WR75 run would have a loss of around 5.6dB whereas a **SWS** run would have a loss of only around 1.6dB.

We offer the complete service of site survey, system design, installation and commissioning this can include the footings and support ladder.

Currently we offer the service to replace WR75 and WR62 rectangular waveguide.

Typical plot showing return loss and insertion loss of only 0.4dB from a 16Metre WR75 Signal Wave System operating over 12.75-14.50 GHz. A similar WR75 rectangular run would have an insertion loss of around 2.2dB.

