

NZART LICENCE APPLICATION REQUIREMENTS

(ELG FORM 1)

Name of licensee & RSM client number:

LOCATION:

Location must now be accurate within 1 metre legally. GPS is essential for new sites, leave the GPS running at the base of pole for at least twelve (12) minutes. Height above sea level (ASL) is also required. If other radio transmitters are on site, that location name should be used. Topo50 is the default licence format or others such as NZGD2000/WGS84 can be used.

FREQUENCY:

Frequency is usually chosen by an ELG engineer to fit into the band correctly. Applicants must specify the band required, i.e. 70 cm.

EMISSIONS:

Specify the emissions by name i.e. DMR or FM voice etc. The licence can have multiple emissions on it to future proof it later.

POWER :

Radiated power - eirp (dBW). eirp = antenna gain in dBi, less all losses, plus transmitter power in dBW.

e.g.+ 6 dBi antenna gain, 1 dB cable loss, 1 dB filter loss, 1 dB circulator loss, TX power 25 W (+ 14dBW) = 17 dBW eirp. Do not under estimate eirp.

ANTENNA HEIGHT:

Above ground level (AGL) must be specified

POLARISATION:

Usually vertical for repeaters but can be other. The ELG engineer will enter the correct polarisation for the licence type.

OPTIONAL INFORMATION : Antenna & equipment make & model.

Email applications to: elg@nzart.org.nz