

## TLPR Compliance: Keeping your Radar Systems Legal

**By following regulations and informing your clients of licensing requirements, we work together to avoid radio interference to other licenced users. Let's keep the spectrum clean!**

### When It Comes to Radar: "Keep a Lid on it":

If it's not in a fully shielded enclosure, it's not TLPR.

TLPR devices must be kept in a **fully enclosed and shielded tank** to ensure that no microwave energy leaks into the surrounding environment.

**LPR (Level Probing Radar) is not permitted in New Zealand.**

**TLPR**  
Tank Level Probing Radar



### Compliance Instructions:

#### 1. Use a Shielded Enclosure

Probing Radar must be installed in a fully enclosed and shielded metal or reinforced concrete tank. Other tank enclosure materials with similar radio-attenuating properties as metallic or concrete tanks are also permitted.

#### 2. Seal and Shield Openings

All seals around the radar attachment into the tanks, as well as access points or sight ports, must be specifically designed to shield against microwave energy leakage. Only then will the installation comply with the licence requirements for operating these devices in New Zealand.

#### 3. Point It Downward

Even within a correctly shielded enclosure, it is recommended to point the radar vertically downward, to further minimise the potential for interference with other licensed services.

#### 4. Permitted Frequency Bands

The following frequency bands are permitted for TLPR in New Zealand:

- 5.25 - 7 GHz
- 8.5 - 10 GHz
- 24.05 - 26.5 GHz
- 75.0 - 85.0 GHz

#### 5. Supplier Responsibility

Suppliers must ensure that all devices are declared to prescribed standards for TLPR and are correctly labelled with 'R-NZ' to meet New Zealand's regulations.



**R-NZ**

### Consequences of Non-Compliance:

Failure to comply with New Zealand's Radiocommunications Regulations 2001 could result in an infringement notice and a fine of **\$1,700**.

### Contact information

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