

## Telstra Wi-Fi™ Network

### Public telephone cabinet installation

### Installation Procedure for Electromagnetic Energy Safety Compliance

Sept 2014

#### **EME Safety**

The Telstra Wi-Fi Network™ utilises a low power radio transmitter connected to an array of 4 small Omni-directional antenna. The antenna are housed inside a small magenta colored poly cube mounted a short distance above the telephone cabinet. The antenna emit the Wi-Fi radio signals that allow Wi-Fi enabled devices to connect to the Internet via the Telstra Wi-Fi Network.

The Telstra Wi-Fi Network antenna unit has been tested and assessed and shown to comply with the Australian Radiation Protection and Nuclear Safety Agency (ARPANSA) EME safety standard.

#### **Installation Practice**

- Follow established installation and test procedure for the Telstra Wi-Fi Network deployment.
- There are no levels in excess of the ARPANSA EME Safety Standard outside the confines of the magenta cube.
- There is no requirement for external RF Safety Signage.
- Ensure antenna cable tails are connected to the Access Point before switching on the Access Point (AP)
- Removing the magenta poly cube from the Antenna head unit will display an RF warning sticker "*Transmitting Antenna Power down before direct contact*"
- Before working directly on exposed Omni-directional Antenna down power the AP located in the telephone cabinet pedestal by removing the Power Over Internet (POE) connection.
- Telstra Standard practice is not to work directly on active antennas.



Public Telephone cabinet with Telstra Wi-Fi installation



Magenta cube removed showing 4 Omni Directional Antenna