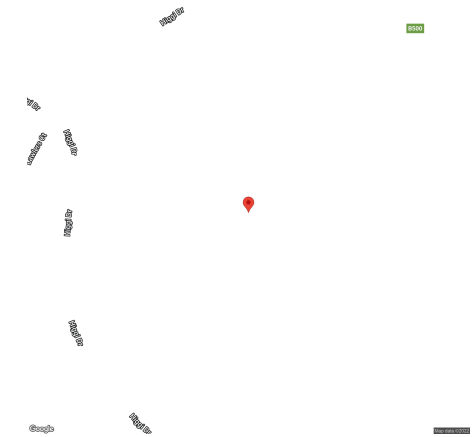


# Environmental EME Report for Small Cells

<b>Location</b>	Telstra Exchange, 34A Great Alpine Road (lot 2029), HOTHAM HEIGHTS VIC 3741 (see photo)
<b>Date</b>	06/09/2022
<b>RFNSA No.</b>	3741015



## How does this report work?

This report provides a summary of levels of radiofrequency (RF) electromagnetic energy (EME) around the small cell base station at Telstra Exchange, 34A Great Alpine Road (lot 2029), HOTHAM HEIGHTS VIC 3741. These levels have been calculated by APD Engineering using methodology developed by the Australian Radiation Protection and Nuclear Safety Agency (ARPANSA).

A document describing how to interpret this report is available at ARPANSA's website:

[A Guide to the Environmental Report.](#)

## A snapshot of calculated EME at street level

<p>There are currently no existing radio systems for this site.</p>	<p>The maximum EME level calculated for the <b>proposed</b> changes at 1.5m above ground is</p> <p style="font-size: 2em; font-weight: bold; text-align: center;">0.10%</p> <p>out of 100% of the public exposure limit, 26 m from the location.</p>
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## Radio systems at the site

Existing transmitting equipment is listed under the existing configuration.

Proposed includes the final configuration after modifications are complete.

Carrier	Existing		Proposed	
	Systems	Configuration	Systems	Configuration
Telstra			5G	NR/LTE2600 (proposed)

## Calculated EME levels at other areas of interest

This table contains calculations of the maximum EME levels at selected areas of interest, identified with regard to the consultation requirements of the [Communications Alliance Ltd Deployment Code C564:2020](#) or other means. Calculations are performed over the indicated height range and include the proposed radio systems for this site.

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## Maximum cumulative EME level for the proposed configuration

Location	Height range	Percentage of the public exposure limit
Whitemount Accommodation	0m to 10m	0.03%
2-storey dwelling - Hotplate Drive	0m to 6m	Less than 0.01%
Swindlers Bar	0m to 8m	Less than 0.01%

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