



ServiceStream

2 August 2023

Planning Department
Break O'Day Council
admin@bodc.tas.gov.au

Telstra - Notification of Proposal to Upgrade a Mobile Phone Base Station at an Existing Site for 4G/5G Technologies

Telstra Site Name: Chain of Lagoons RFNSA No.: 7215017

Site Address: 19637 TASMAN HIGHWAY, SEYMOUR TAS 7215

Dear Sir/Madam,

I am writing on behalf of Telstra to inform you of an upgrade to the mobile phone base station at the above address. This proposal does not require Development Approval and consultation is being undertaken in accordance with the requirements of Section 7 of the *C564:2020 Mobile Phone Base Station Deployment Code*.



ServiceStream Limited ABN 46 072 369 870

HEAD OFFICE Level 4, 357 Collins Street, Melbourne VIC 3000 | Mailing Address: PO Box 14570, Melbourne VIC 8001
T +61 3 9677 8888 | F +61 3 9677 8877 | E info@servicestream.com.au | www.servicestream.com.au



ServiceStream

The proposed facility comprises the following:

installation of six (6) new panel antennas (2533mm L) onto a new quadrangular headframe onto the 30m high monopole; ancillary equipment to be installed including remote radio units, mounts, cable trays, junction boxes, gps antenna, cabling and feeders; and internal works within two (2) new outdoor equipment cabinets to be installed within the fenced compound.

The purpose of this installation is to provide improved 4G / 5G mobile network coverage and capacity in the local area.

We invite you to provide us with your feedback about this proposal. You can do this by contacting us by the details outlined below. We will accept comments on the proposal until 5pm 22nd August 2023.

We trust that you will find the information about this proposal informative. We are happy to provide you with more details.

Yours sincerely,

Planning Consultant on behalf of Telstra
Service Stream Ltd A.B.N. 46 072 369 870
Telstra Ltd A.C.N. 086 174 781

CC: Frequently Asked Questions, EME Report

Frequently Asked Questions

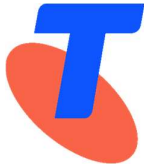
Why is this installation occurring and what will it bring?	5G is the next generation of mobile network technology. 5G will provide faster download speeds, lower latency, greater connectivity to more devices and improve network efficiency. The purpose of this upgrade is to provide additional network capacity and 5G technology in the local area.
Where is it being installed?	The upgrade is to be installed on an existing Indara 30m monopole located at 19637 TASMAN HIGHWAY, SEYMOUR TAS 7215
What is being installed and how big will it be?	The proposal comprises the following: Installation of six (6) new panel antennas (2533mm L) onto a new quadrangular headframe at a centreline of 20m onto the 30m high monopole; ancillary equipment to be installed including remote radio units, mounts, cable trays, junction boxes, gps antenna, cabling and feeders; and internal works within two (2) new outdoor equipment cabinets (1 x 1810mm H and 1 x 1950mm H) to be installed within the fenced compound
Does it require Council approval?	This installation is exempt from Local & State Government approval.
<i>Telecommunications (Low-impact Facilities) Determination 2018</i>	This is in accordance with the: <ul style="list-style-type: none"> • <i>Telecommunications (Low-impact Facilities) Determination 2018 ('Determination')</i> The reasons for this conclusion are based on the classification of the

[ServiceStream Limited ABN 46 072 369 870](#)

HEAD OFFICE Level 4, 357 Collins Street, Melbourne VIC 3000 | Mailing Address: PO Box 14570, Melbourne VIC 8001
T +61 3 9677 8888 | F +61 3 9677 8877 | E info@servicestream.com.au | www.servicestream.com.au



	<p>following components of the proposed facility in relation to the Determination.</p> <p>Principal Designated Use/Area: Rural, Zone: Rural Resource</p> <p>Antennas - Schedule - Facilities and Areas, Part 1 – Radio Facilities <i>Item 4 - Panel, yagi or other like antenna (not more than 2.8m long; attached to a structure protruding not more than 5m; and colour matched)</i></p> <p>Cabinets - Part 3 – Above Ground Housing, Item 4 – Equipment shelter (not more than 2m high; base area not more than 5sqm; and colour matched) <i>In Residential, Commercial, Industrial and Rural Areas</i></p> <p>Part 8 – Co-Located Facilities, <i>Item No. 1, In Industrial and Rural Areas.</i></p> <p>Associated Infrastructure, Part 3 – Low Impact facilities, 3.1 <i>Facilities, Item (4) - Ancillary facilities such as antenna mounts, gps antennas, headframes, remote radio units, cable trays, feeders and other related items are deemed to be low impact facilities pursuant to Part 3.1(4) of the Determination.</i></p> <p>Community notification is being undertaken in accordance with Section 7 of C564:2020 Mobile Phone Base Station Deployment Code</p>
<p>Does it comply with Australian Standards for Electromagnetic Energy (EME)?</p>	<p>Yes. The facility will comply with Australian government regulations in relation to emission of electromagnetic energy (EME), this specifically being Australian Standard Radiation Protection Series S-1 Standard for Limiting Exposure to Radiofrequency fields – 100 kHz to 300GHz, published by the Australian Radiation Protection and Nuclear Safety Agency (ARPANSA) in 2021.</p> <p>The proposed infrastructure will be in compliance with the Australian Communications and Media Authority (the ACMA) electromagnetic energy (EME) regulatory arrangements.</p> <p>A copy of the ARPANSA EME Report is attached.</p>
<p>How can I find out where the base stations are in my area?</p>	<p>A database of all existing and proposed mobile phone base stations in Australia is available to the public at www.rfnsa.com.au</p> <p>Site specific information, can be found at: www.rfnsa.com.au, reference number: 7215017</p>
<p>How will I know if any further changes are proposed in my area?</p>	<p>The RFNSA offers a subscription service to individual sites or post codes. We encourage interested and affected parties to register their email address at www.rfnsa.com.au/subscribe to be notified of any proposed changes or new installations.</p>
<p>Where can I find out more information?</p>	<p>Support information about mobile phone base stations, the C564:2020 Mobile Phone Base Station Deployment Code, your rights, health, and low impact facilities, is available from this website: https://www.commsalliance.com.au/popular-links/mobile-phone-tower-information</p>



ServiceStream

How can I provide feedback on the proposal or find out more information?
Information about this proposal is available in other languages.
Available on request from contact details provided.

Planning Consultant (on behalf of Telstra)
Address: Servicestream, PO Box 14570, Melbourne Vic 8001
Email: planning.vic@servicestream.com.au
Phone: 03 9937 6555
Comments Closing date : 5pm 22nd August 2023

Environmental EME Report

Location	19637 Tasman Highway, SEYMOUR TAS 7215		
Date	20/07/2023	RFNSA No.	7215017

How does this report work?

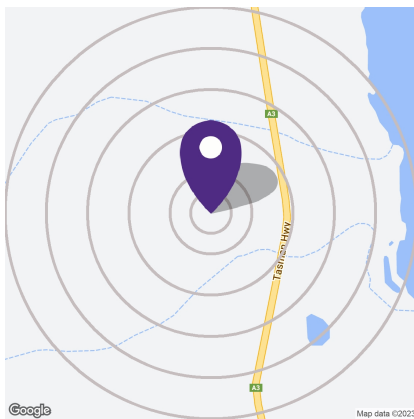
This report provides a summary of levels of radiofrequency (RF) electromagnetic energy (EME) around the wireless base station at 19637 Tasman Highway, SEYMOUR TAS 7215. These levels have been calculated by Radhaz Consulting using methodology developed by the Australian Radiation Protection and Nuclear 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 levels at this site

<p>The maximum EME level calculated for the existing systems at this site is</p> <h1 style="margin: 0;">0.66%</h1> <p>out of 100% of the public exposure limit, 190 m from the location.</p>	<p>The maximum EME level calculated for the proposed changes at this site is</p> <h1 style="margin: 0;">1.81%</h1> <p>out of 100% of the public exposure limit, 118 m from the location.</p>
---	---



EME levels with the proposed changes	
Distance from the site	Percentage of the public exposure limit
0-50 m	0.54%
50-100 m	1.71%
100-200 m	1.81%
200-300 m	1.39%
300-400 m	0.72%
400-500 m	0.40%

For additional information please refer to the EME ARPANSA Report annexure for this site which can be found at <http://www.rfnsa.com.au/7215017>.

Radio systems at the site

This base station currently has equipment for transmitting the services listed under the existing configuration. The proposal would modify the base station to include all the services listed under the proposed configuration.

	Existing		Proposed	
	Systems	Configuration	Systems	Configuration
Optus	3G, 5G	NR/LTE700, WCDMA900, NR/LTE900	3G, 5G	NR/LTE700, WCDMA900, NR/LTE900
Telstra			4G, 5G	LTE700 (proposed), NR850 (proposed)

An in-depth look at calculated EME levels at this site

This table provides calculations of RF EME at different distances from the base station for emissions from existing equipment alone and for emissions from existing equipment and proposed equipment combined. All EME levels are relative to 1.5 m above ground and all distances from the site are in 360° circular bands.

Distance from the site	Existing configuration			Proposed configuration		
	Electric field (V/m)	Power density (mW/m ²)	Percentage of the public exposure limit	Electric field (V/m)	Power density (mW/m ²)	Percentage of the public exposure limit
0-50m	2.22	13.02	0.31%	2.95	23.01	0.54%
50-100m	1.44	5.52	0.14%	5.17	71.02	1.71%
100-200m	3.17	26.58	0.66%	5.33	75.35	1.81%
200-300m	3.16	26.53	0.66%	4.64	57.15	1.39%
300-400m	2.42	15.53	0.38%	3.34	29.57	0.72%
400-500m	1.81	8.67	0.21%	2.49	16.48	0.40%

Calculated EME levels at other areas of interest

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

Maximum cumulative EME level for the proposed configuration

Location	Height range	Electric field (V/m)	Power density (mW/m ²)	Percentage of the public exposure limit
No locations identified				