



*Five-year spectrum
outlook (FYSO) 2025–30
Consultation Submission*

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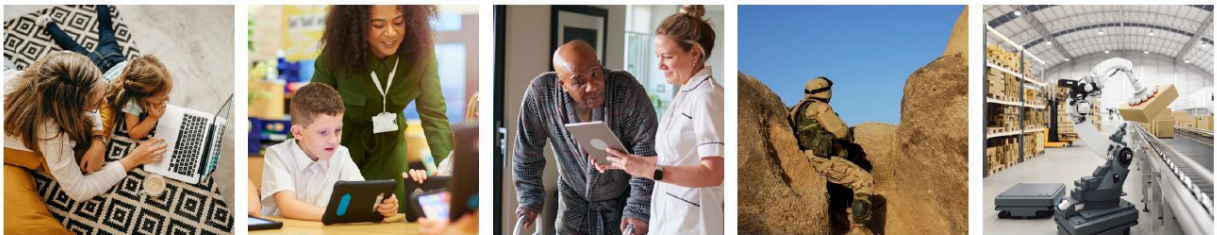
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Cambium Networks Overview

COMPANY PROFILE

Cambium Networks empowers millions of people with wireless connectivity worldwide. Its wireless portfolio is used by commercial and government network operators as well as broadband service providers to connect people, places, and things. With a single network architecture spanning fixed wireless and Wi-Fi, Cambium Networks enables operators to achieve maximum performance with minimal spectrum. End-to-end cloud management transforms networks into dynamic environments that evolve to meet changing needs with minimal physical human intervention. Cambium Networks empowers a growing ecosystem of partners who design and deliver gigabit wireless solutions that just work.

WHO WE SERVE



COMPANY ROOTS

Cambium Networks was founded in 2011. It was created when Motorola Solutions sold the Canopy and Orthogon businesses to Vector Capital in August 2011. Next, Cambium Networks went IPO in June 2019.

Company Website: www.cambiumnetworks.com

Submission

Cambium welcomes the opportunity to provide a submission to the 2025-30 FYSO Consultation.

Cambium has a keen focus on the use of spectrum for both Wi-Fi and well as Fixed Wireless applications.

We commend and value the work done in the 3 GHz band and the allocation of AWLs in Remote, Regional and Metro areas. The value of this spectrum for private Fixed Wireless networks in a licensed spectrum is validated by the uptake of AWLs so far.

3.3 – 3.4 GHz band

We note this has been earmarked for use as IMT at the recent WRC.

We suggest strong consideration be given to making this band available for AWLs in regional and rural areas. Cost effective bands of 20 MHz and 40 MHz should be made available to enable suitable quality Fixed Wireless (BWA) services. Together with the 3.4 - 4.0 GHz in remote areas this band can be a strong enabler for “equal” broadband services for remote communities and contribute to closing the Digital Divide as well as providing more spectrum for AWLs to support mining operations and Fixed Wireless Internet services.

Lower and Upper 6GHz bands

We are also keenly watching the progress of planning in the 6GHz band. The lower band for LIPD extended to 6585MHz and potential use of standard power (4W) for Fixed Wireless. Also as pointed out, there is also application for high capacity outdoor Wi-Fi 6E Hotspots. We also suggest the use of the upper band for Fixed Wireless Service with AFC support.

We are very pleased with the planned expansion of the lower band to include 6425–6585 MHz for low power RLAN and support the proposed update to the LIPD class license, but we are also keen to see use enabled on a national basis for higher power (Standard Power, 36 dB (4W) use for Fixed Wireless, enabled by an AFC also available to be used under the class license. We note the planned consultation for Q3 2025.

We note this statement; “Outside of defined population areas, we will introduce arrangements for apparatus-licensed WBB services (supporting wi-fi and IMT technologies) in the range 6585–7100 MHz, on a coordinated basis with incumbent users. We will consult on these proposed arrangements in Q3 2025. This process will also seek feedback on the scope and coverage of the defined population areas.”

Rather than AWLs we see no reason why use cannot also be made available via an AFC. The same AFC, that would support the use of the band in the lower 6GHz band. Importantly the availability of this band on this basis would align with these objectives:

1. Digital connectivity is of primary importance to Australia’s regional communities and businesses. The State of Australia’s Regions 2024 report highlighted that reliable and affordable access to digital communications can help regional Australians overcome the

'tyranny of distance'. However, the 2024 Regional Telecommunications Independent review found that regional Australians can face access, awareness, affordability and reliability challenges when using telecommunications services.

2. We continue to work at increasing digital inclusion of First Nations people, communities and businesses, through our role as spectrum regulator.

We also note this band planning activity:

Continue to monitor international developments that would support the establishment of a WBB equipment in the range 6585–7100 MHz

These are a number of products available for fixed wireless use of the band. Cambium Networks has two products currently being used in USA and Canada in this band. These are the ePMP4600 and the PMP450V that supports 5125 MHz to 7125 MHz.