

Nokia Response to “Allocation of 24 - 30 GHz Spectrum Technical Discussion Document 17 October 2025”

Nokia thanks RSM for the opportunity to provide comments to technical discussions document (17th October 2025) on the use of radio spectrum between 24 - 30 GHz in New Zealand.

The 24–30 GHz mmW spectrum bands pave the path to future terrestrial 6G networks and advanced wireless applications. These frequencies enable MNOs to deliver very high data rates and significant additional capacity in high-density urban hot spots, while also enabling rural deployments to benefit from the spectrum through use cases such as fixed wireless access.

Nokia views on mmW spectrum bands in 24 – 30 GHz range:

- NOKIA BSs supporting mmW spectrum bands in 24 – 30 GHz range are fully aligned with WRC-agreed limits and regulations
- NOKIA BSs for these mmW bands are also compatible with the corresponding 3GPP specifications
- The commercial availability of respective BSs depends on global market demand
- The use and value of this spectrum for terrestrial MNO networks should be maximized and specific care should be taken if enabling satellite use in this 24–30 GHz band as it could lead to challenging geographical coordination, increase interference risks towards terrestrial MNO networks and undermine investment confidence.

Nokia recommends that RSM align its emission mask specifications with 3GPP standards. This harmonization is essential for New Zealand to integrate with, and benefit from, the global ecosystem.

Yours sincerely,

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