



By email only
20 March 2020

Three's response to Ofcom's consultation on supporting innovation in the 100-200GHz range

1. This is Three's response to Ofcom's consultation on supporting innovation in the 100-200GHz range, published 17 January 2020.
2. We support the release of the proposed bands within the 100-200GHz range for innovation and development of new mobile and fixed technologies. This will support not only the applications set out in the consultation document, but new undefined ones in the future as well.
3. We believe that the bands above 100GHz should be technology neutral, but we do expect that standards bodies will finalise the specifications for these bands in their future releases. However, it is important to enable developers to establish new technologies by working from an assumption of technology neutrality.
4. Whilst it will be difficult to manage and police the beam elevation angle below 20 degrees (particularly for outdoor deployments), we fully support the increased power use of the band. This is due to the poorer propagation characteristics of high frequencies which can be compensated by increased power, especially in outdoor deployments.

Three.
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