

5G Fixed Wireless Access

Objective: pilot with some of our most innovative customers, to test internet and TV service over a 5G radio access, both with 5G millimeter wave and C-band technology, allowing us to compare performance and user experience in both scenarios.

Description: The vocation of an operator like Telefónica is to provide the best communications service to its customers throughout the country. *Fusion* service is a clear example: it offers our customers telephony, broadband and TV, in an integrated and convergent way. To provide these kind of services Telefónica invests heavily in fixed infrastructure deployments.

However, there are areas where, due to geographic or demographic reasons, or because they are protected environments, such as the historic centers of some cities, it is very complicated or unfeasible to provide fiber infrastructure to the real estate in the area.

5G technology will solve this need, providing greater bandwidth to include high-definition TV traffic over the radio link. Telefónica will rely on the following technological keys:

- 5G radio deployment in selected urban area of the city of Vigo: 26GHz and 3.5GHz bands.
- Edge Computing for adaptation and capillarity in the distribution of TV content.
- Customer equipment for residential homes.
- High bandwidth for the distribution of 4K content.

[Additional references](#)

