

# Telefónica and Baleària test a pioneering maritime coverage solution based on 5G SA .

**Objective:** To test the offshore range of coverage with antennas from shore, using the 700 MHz low band on 5G SA. The customer's goal is to have communications for the ship's systems that have less latency than current satellite-based solutions .

**Description:** For this project, 5G SA coverage has been deployed using the 700 MHz band, from a site located in Cabo la Nao (near Denia), about 400 meters high to maximize the range. This antenna points to the maritime area of the Denia-Ibiza route that uses the Baleària boat fleet.

On one of the customer's ships, the Eleanor Roosevelt, high-gain antennas have been installed on the upper deck, connected to a 5G SA router installed in its communications room.

The result was a stable coverage with overall latencies in the range of 30 and 50 ms in a stretch of sea between 20 and 85 km away from the coast, thus demonstrating that this solution, for limited bandwidths, is perfectly valid in routes of this type (especially when antennas are available at both ends of the route, where the range could be doubled).

[Press Release](#)



700 MHz

