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Research Dossier: Vodafone Spain



Country

Spain

Company Name

Vodafone España, S.A.U.

Ownership Type

Subsidiary

Ownership/Controlling Entity

Vodafone Group

Website

<https://www.vodafone.es>

MNC

01

Company Overview

Dossier under construction.

Vodafone Spain 5G

Vodafone Spain partnered with Huawei to perform 'the first 5G call in the world' in February 2018. The call between Castelldefels in Barcelona and Madrid adhered to the standard commercial specifications approved by industry standards body 3GPP in December 2017, and utilised spectrum in the 3.7GHz band. The test also demonstrated a 'dual 4G-to-5G connection', which the companies say will be an important facet of 5G network technology, assisting with the control and management of data traffic.

The company announced the commercial launch of its 5G network in June 2019. The network uses Vodafone's 90 MHz of 3.5 GHz spectrum, implementing a n78 (3500 MHz) capable of reaching data

rates of 1 Gbps at launch and 2.2 Gbps by years end.

▼ 3G UMTS Network Information

Details on UMTS network deployments are shown below. Data are often incomplete due to commercial nature. Consult dossier text for further details.

Launch Date 2006-06 Status Active

UMTS Band Packet Data Status

[B1 \(2100 MHz\)](#) [DC-HSPA+](#) Active

[B8 \(900 MHz\)](#) [HSPA+](#) Active

▼ 4G LTE Network Information

Details on LTE network deployments are shown below. Data are often incomplete due to commercial nature. Consult dossier text for further details.

Evolution [LTE Advanced Pro \(LTE-A Pro\)](#) Status Active [Launched 2013-05]

Max. MIMO [4x4 MIMO](#) Max. Modulation [256QAM](#)

Carrier Aggregation [CA_3A-7A \(B3+B7\)](#)
[CA_3A-20A \(B3+B20\)](#)
[CA_7A-20A \(B7+B20\)](#)
[CA_3A-7A-20A \(B3+B7+B20\)](#) Features [VoLTE](#)

LTE Band Channel Width Status

[B3 \(1800 MHz\)](#) 20 MHz Active

[B7 \(2600 MHz\)](#) 20 MHz Active

[B20 \(800 MHz\)](#) 10 MHz Active

[B38 \(2600 MHz\)](#) 20 MHz Active

▼ 5G NR Network Information

Details on 5G NR network deployments are shown below. Data are often incomplete due to commercial nature. Consult dossier text for further details.

Type [NR \(Standard\)](#) Status Active [Launched 2019-06-15]

Max. MIMO [Massive MIMO](#) Max. Modulation [256QAM](#)

Carrier Aggregation - Features -

NR Band Channel Width Status

[n38 \(2600 MHz\)](#) 20 MHz Build-Out

[n78 \(3500 MHz\)](#) 90 MHz Active

▼ IoT Network - NB-IoT (LTE Cat-NB1)

Technology [NB-IoT \(LTE Cat-NB1\)](#) Status Active

Band [B20 \(800 MHz\)](#) Launch Date 2017-01

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