

Malta Communications first batch of 5G base stations





Overview

What GHz band is used in Malta?

These bands are the 700MHz, 3.6GHz (3.4-3.8GHz) and 26GHz band (24.25-27.5GHz). In Malta, similar to the other European Member States, the UHF band from 470-790MHz is currently being used for Digital Terrestrial Television (DTT) and wireless audio programme making and special events (PMSE).

Who can apply for a 5G test & trial licence?

The Malta Communications Authority would like to invite any entity interested in evaluating the potential impact of 5G to apply for the MCA's test and trial licensing scheme. Any entity including, although not limited to, Mobile Network Operators, Academics, and Non-Governmental Organisations can apply for a test or trial licence.

Will epic bring 5G to the island?

Epic Communication, known as Epic, wants to make sure that this doesn't happen — by bringing better 5G network to the island. "We will upgrade over 300 sites with new technology, allowing us to deploy 5G on the whole island," says Antoine Galea, Epic's chief technology and information officer.

Why is a better network important in Malta?

As a small island nation, Malta relies heavily on sectors such as tourism, finance and information technology. A better network can enhance these sectors by providing faster and more stable connectivity, benefiting businesses, entrepreneurs and visitors.

How will a new fibre-optic network help Malta?

"To support the new network, we will also expand our fibre-optic coverage to more areas in the country." The European Investment Bank signed a €20 million loan with Epic in April 2022. By providing better speeds, connectivity,



and coverage, the project will help Malta's residents, businesses, and economy.

What are 5G bands?

However, when one mentions 5G, three bands are usually referred to as pioneer 5G bands, even though technically these bands are already being used for wireless communication. These bands are the 700MHz, 3.6GHz (3.4-3.8GHz) and 26GHz band (24.25-27.5GHz).



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Exploring the Impact of 5G Technology on Maltese Hardware: ...

What is the impact of 5G technology on Maltese hardware? 5G technology significantly enhances Maltese hardware capabilities. It allows for faster data transmission rates, reaching up to 10 ...

[China houses 3.92 million 5G base stations](#)

The number of 5G base stations in China had risen to nearly 3.92 million by the end of June, data from the Ministry of Industry and Information Technology showed on Tuesday.



A look at the 5G saga roll-out in Malta which was happily ...

It was first Melita which in May 2021 honoured by the presence of Schembri and Jesmond Bugeja Chief Executive Officer of the Malta Communications Authority announced the launch of 5G ...

[Melita first to launch nation-wide 5G network in Malta](#)

The launch of 5G will increase the capacity of Melita's mobile network, meaning that many more devices will be able to connect to the network simultaneously while also ...



5G: Is Malta ready for the most critical building block of a 'digital

Melita CEO Harald Roesch agrees that 5G will revolutionise communication and highlights several steps that are necessary for its implementation - the first being the right ...



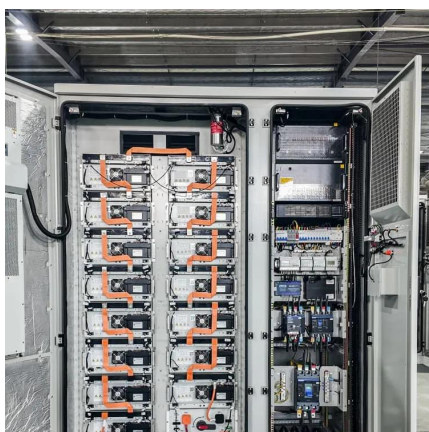
Smart activates 5G SA network at its headquarters in ...

Smart also said it had activated the country's first 5G base stations in 2018 and made the first 5G Stand Alone (SA)-powered video call in ...



'Paving the way for successful 5G deployment' - MCA

5G is already in operation in parts of the world today, and it is not expected to be long now before the technology is launched in Malta as well. As such, the MCA has identified ...





[A look at the 5G saga roll-out in Malta which was ...](#)

It was first Melita which in May 2021 honoured by the presence of Schembri and Jesmond Bugeja Chief Executive Officer of the Malta Communications ...



5g station

A 5G station, also known as a 5G base station or gNodeB (Next-Generation NodeB), is a key component of 5G wireless communication networks. It plays a crucial role in ...

Assessment of the exposure of the general public to 5G Part 2

Beam-forming boosts network performance by increasing spectral efficiency. It, however, introduces a number of complexities. The measurements carried out by the MCA, therefore, ...



[Operator Watch Blog: Malta gets a Taste of 5G!](#)

Melita has launched what it says is a 'nationwide' 5G service, beating rivals Epic and GO to the country's first commercial 5G offering. Melita claims that download speeds of up ...



5G in Malta

Following the "consultation in relation to the assignment of spectrum in the 700 MHz, 3.6 GHz and 26 GHz band" issued by the Malta Communication Authority three local ...



5G NR Base Stations Classes

5G New Radio (NR) defines various classes of base stations to cater to different deployment scenarios and requirements. These classes enable operators to optimize their ...



Malta gets better 5G network connectivity

"We will upgrade over 300 sites with new technology, allowing us to deploy 5G on the whole island," says Antoine Galea, Epic's chief technology ...



Which RF Technologies Are Shaping 5G Base Stations?

At the heart of this revolution lies a complex infrastructure powered by advanced radio frequency (RF) technologies. Among all the components that build a 5G network, RF ...





What has 5G's impact on Malta been like?

This speed increase comes from 5G, the new mobile network that arrived in Malta not too long ago. But what does 5G truly bring to the island, and what changes have ...

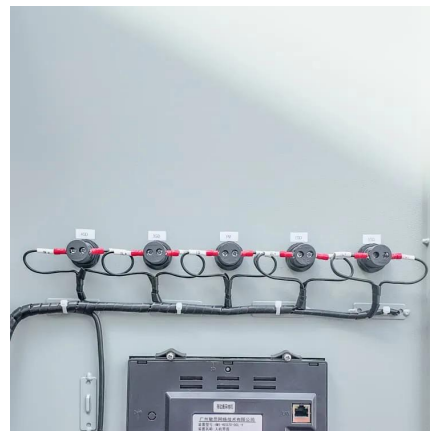


China rolls out world's first military-proof 5G that can connect ...

China has unveiled the world's first mobile 5G base station, which, after passing rigorous tests, is now poised for deployment on the battlefield. Jointly developed by China ...

China sees steady progress in 5G base station construction

China had over 2.1 million 5G base stations by the end of August, accounting for 19.8 percent of its mobile base stations, up 5.5 percentage points from the end of 2021, ...



Towards 5G , MCA

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5G: Is Malta ready for the most critical building block ...

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5g base station architecture

5G (fifth generation) base station architecture is designed to provide high-speed, low-latency, and massive connectivity to a wide range of devices. The architecture is more ...

Energy-saving control strategy for ultra-dense network base stations

Aiming at the problem of mobile data traffic surge in 5G networks, this paper proposes an effective solution combining massive multiple-input multiple-output techniques ...



Network

Epic has officially been ranked Malta's top-performing mobile network in a nationwide quality of service audit conducted by the Malta Communications ...



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Towards 5G , MCA

Melita has launched what it says is a 'nationwide' 5G service, beating rivals Epic and GO to the country's first commercial 5G offering. Melita ...

5G base station architecture, Part 1: Evolution

The other recent big 5G meeting took place shortly thereafter on April 14-15 in Palo Alto, CA. This was called the 5G Forum USA launched by ...



Spectrum Monitoring , MCA

Following the deployment of the first 5G network in Malta, the Malta Communications Authority carried out a 5G EMF measurement campaign. The purpose of this exercise was to further ...



[China home to 3.92 million 5G base stations](#)

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[Melita first to launch nation-wide 5G network in Malta](#)

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