

# Kathmandu Communication 5g base station frequency





## Overview

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What are the 5G frequency bands in Nepal?

As Nepal Prepares for the 5G network, the committee recommends the 5G Frequency bands in three different segments, namely low band, mid band, and high band. For the low spectrum 5G bands, they have chosen 900 MHz, 1800 MHz, 2300 MHz, and 2600 MHz. The frequency bandwidth to assign in low bands are 10 to 20 MHz.

What spectrum does Nepal use for 5G?

Nepal has not used any of these spectrums for the existing mobile networks. Among them, 3600 MHz is the most widely used 5G frequency band in the world. The frequency bandwidth to allocate in this band shoots up to 100 MHz. Similarly, for the high band, they decided to use the 26 GHz spectrum to use for 5G.

How many 5G operators are there in Nepal?

By February 2022, there were 427 operators in 137 countries/regions with 5G (GSA). People here have also started to demand 5G service here in Nepal. With the initiation of such demand, we are going to discuss everything about 5G network in Nepal now after Ntc, one of the operators has already started the trial.

What frequency band is used in Nepal?

The frequency bandwidth to assign in low bands are 10 to 20 MHz. Among these bands, 900 MHz, 1800 MHz, and 2300 MHz are already in use whereas the 2600 MHz band is completely new for Nepal. For the Mid bands, they have selected 3300 MHz, 3600MHz, and 4700 MHz.



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Nepal Telecommunications Authority

Jun 18, 2023 · Nepal Telecommunications Authority Frequency Assignment Table of Nepal (Mobile Technology) #60 MHz frequency in 2600 MHz Band is provided to Nepal Telecom ...

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Probable 5G Frequency Bands in Nepal

Jun 1, 2024 · Check 5G frequency band for Nepal. Find out which spectrum bands have been made technology neutral for all mobile technologies ...

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5G NR Base Station Classes: Type 1-C, Type 1-H, Type 1-O, ...

This article describes the different classes or types of 5G NR Base Stations (BS), including BS Type 1-C, BS Type 1-H, BS Type 1-O, and BS Type 2-O. Introduction to 5G NR and Base ...

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5G Network in Nepal , Features, Trial, Spectrum, Availability ...

Because 5G Is FasterIt Is Far More EfficientIt Inspires A Whole New Suite of ServicesNew Use Cases Demand 5G in Nepal5G Is Expensive5G Is Not Mobile Broadband only5G Spectrum Not Allocated in NepalAre We at A 5G Demanding State?The 5G Network Is EvolvingAre The Telcos Working on 5G in Nepal?As 5G provides higher data speed with the same operational power in the base station, 5G is considered more efficient in terms of power. Similarly, it is also efficient in maintaining higher internet speed for subscribers due to the use of multiple antennas with a term called spectrum efficiency.See more on nepalitelecom ResearchGate[PDF]5G Coverage Planning for Urban Area at Kathmandu ...Jan 19, 2024 · In comparison to small cells, high-frequency millimeter wave (mmwave) capabilities, 5G networks will utilize macro cells such as cell towers for connectivity and these ...

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5G Network in Nepal , Features, Trial, Spectrum, Availability ...

Dec 2, 2025 · As people demand 5G network, we are here to discuss the details of 5G in Nepal [2025] with spectrum, applications, availability, use cases.

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3G / 4G / 5G coverage in Kathmandu

This map represents the coverage of 2G, 3G, 4G and 5G mobile networks in Kathmandu. See also : mobile bitrates map in Kathmandu.

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5G Coverage Planning for Urban Area at Kathmandu City, Nepal

Sep 8, 2022 · The excitement about the 5G wireless network has passed. Mobile network operators (MNO) have begun rolling out 5G networks alongside 4G cellular networks in lower ...

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Nepal Telecom to launch 5G in Kathmandu and Pokhara

Dec 1, 2025 · State-run telco Nepal Telecom (NTC) has prepared to launch 5G in Kathmandu and Pokhara. According to sources, the company is in talks with Nepal Telecommunications ...

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5G Coverage Planning for Urban Area at ...



Sep 8, 2022 · The excitement about the 5G wireless network has passed. Mobile network operators (MNO) have begun rolling out 5G networks ...

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5G NR Base Station Classes: Type 1-C, Type 1 ...

This article describes the different classes or types of 5G NR Base Stations (BS), including BS Type 1-C, BS Type 1-H, BS Type 1-O, and BS Type 2 ...

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5G Coverage Planning for Urban Area at Kathmandu ...

Jan 19, 2024 · In comparison to small cells, high-frequency millimeter wave (mmwave) capabilities, 5G networks will utilize macro cells such as cell towers for connectivity and these ...

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Concept Paper/ White Paper on Current Usage and ...

Jul 3, 2023 · 1. Background The Telecommunications Act, 2053 vested responsibility to Nepal Telecommunications Authority to grant license, regulate and systematize telecommunications ...

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TRIBHUVAN UNIVERSITY INSTITUTE OF ENGINEERING ...

Jun 21, 2023 · The architecture of a 5G network is depicted in Figure 1, which includes a macro-cell along with small cells, user equipment (UEs), Remote Radio Heads (RRHs), Base Band ...

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Probable 5G Frequency Bands in Nepal , Awaits License, ...

Jun 1, 2024 · Check 5G frequency band for Nepal. Find out which spectrum bands have been made technology neutral for all mobile technologies including 5G.

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