

Thailand Base Station Communication System Installation





Overview

Which MHz band is suitable for small cell deployment in Thailand?

While around 3,200 MHz of mobile spectrum has been assigned in Thailand, the 26 GHz mmWave band – suitable for localised small cell deployment due to its propagation characteristics – accounts for most of this figure.

Which GHz band does Thailand use?

In the 2.6 GHz band, Thailand has assigned IMT spectrum based on the TDD n41 band plan. Thailand's ASEAN neighbours Cambodia, Lao PDR and Malaysia, currently use the hybrid FDD/ TDD configuration (b7/b38) for 4G services in this band.

How many MHz are assigned in Thailand?

There has been no change in the total frequency assignments in Thailand according to the Frequency allocation plan for IMT for Thailand (2024-2028). As shown in Table 1, only 450 MHz is currently assigned in the mid-band range, compared to an average of 850 MHz in the Asia-Pacific region today.

Which GHz band should Thailand use for 5G?

Recommendation: 3.5 GHz band– As detailed above, there are significant challenges for Thailand to make the 3.5 GHz band available for 5G services, especially in the amounts needed to address the shortfall in mid-band spectrum.



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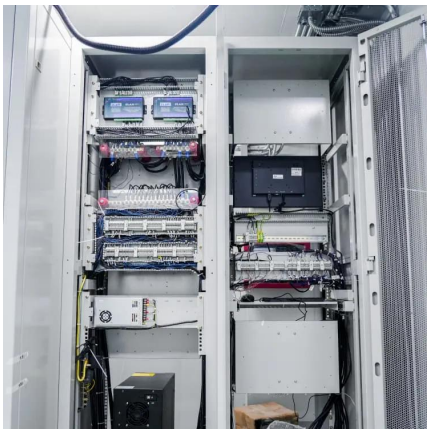


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