ZITHA TECH SPECIALTY CABLES (Pty) Ltd

The communication tower is 45 meters tall



Overview

Radio masts and towers are typically tall structures designed to support for and, including. There are two main types: guyed and self-supporting structures. They are among the tallest human-made structures. Masts are often named after the broadcasting organizations that originally built them or currently use them.

Key Takeaways

The communication tower is 45 meters tall, classifying it as a medium-height tower suitable for local communication services.Tower Specifications and Type

The 45-meter tower in question is a three-legged angle steel communication tower, recently tested and approved for mass production in Malaysia by X.Y. Tower . This type of tower is designed for durability, stability, and efficient signal transmission, making it suitable for cellular networks, radio, or other local communication services.

Height Classification

Communication towers vary widely in height depending on their purpose and location :

• Short Towers (150 meters): International broadcasting and satellite communications At 45 meters, this tower falls into the medium-height category, providing adequate coverage for local or regional communication without the structural complexity of taller towers.
Practical Considerations

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The height of a communication tower affects signal range, coverage, and shadow length. For example, a 45-meter tower can cast a shadow of approximately 24 meters under certain sunlight conditions, which is useful for planning site layouts and safety zones .

Benefits and Uses
• Improved communication services: Supports mobile networks, radio, or emergency communication

• Structural efficiency: Three-legged steel design ensures stability and ease of installation

• Scalability: Medium-height towers can be deployed in urban or semi-urban areas without major visual or environmental impact In summary, a 45-meter communication tower is a practical, medium-height structure widely used for local communication services, combining structural reliability with sufficient coverage for its intended applications .

Article Content

Radio masts and towers

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A 45M Guyed Wire Tower for Telecommunication is a cost-effective, tall, and

45M High Quality Galvanized Telecommunication

What is a monopole telecom tower? A monopole antenna tower is a type of communication tower that

How Tall Are Communication Towers? – Essential Facts

Tall towers: Between 50-100 meters (164-328 feet) tall, these towers are commonly used for long-range radio

Malaysia VT45M Communication Tower – Reliable Steel Structure

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Discover the Malaysia VT45M communication tower, a durable and high-performance solution for communication

How Tall Is a Radio Tower and What Factors Determine Its Height?

Discover how tall a radio tower typically stands and the factors that influence its height. Learn about different types of radio towers

List of tallest structures in the United States by height

The KXJB-TV mast is the tallest structure in the United States, at 2,060 ft (628 m) tall Galesville, Wisconsin

Height of a Cell Tower, Cell Tower

The height requirement for an effective cell tower depends on several factors, including the

List of tallest structures

Tallest structures in the world as of 2026: 1. Burj Khalifa skyscraper 2. Merdeka 118 skyscraper 3. Tokyo Skytree 4. Shanghai Tower

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With the successful completion of the tower test, X.Y. TOWER officially started the mass production of 45-meter three

3 Legged Tubular Telecommunication Tower

3 Legged Narrow Base Tubular Tower 3 Legged Narrow Tubular Towers are mainly fabricated with circular hollow sections which are

Manufacture Galvanized 4 Legs Angle Steel WiFi

The design and processing of JIAYAO''s self-supporting tower products are in line with ISO 9001:2000

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List of tallest structures in the United States The height of structures in the United States has been poorly documented. However, the

Solved: A radio tower that is 45 meters tall casts a shadow 24 meters ...

A radio tower that is 45 meters tall casts a shadow 24 meters long. If a nearby antenna is 60 meters tall, how long will the antenna''s

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Communication towers for sale with durable steel structure design. Ideal for telecom, broadcasting and

35 45 Meter 4 Legs Communication Cellular Galvanized Steel

35 45 Meter 4 Legs Communication Cellular Galvanized Steel Triangular Lattice Tower, Find Details and Price about Telecom Tower

The Typical Height Ranges for Angular Steel Telecom Towers

Angular steel telecom towers come in various heights to meet the needs of different telecommunication applications.

45 Meter Angle Steel Lattice Tower for 4G 5G Communication

bundled by Galvanized strapping for 45 Meter Angle Steel Lattice Self Supporting Communication Isp Internet Service Provider 4G

A shadow 45 meters long is cast by a bell tower that is 24 ...

A bell tower 24 meters tall casts a 45-meter-long shadow. If a neighboring observation tower is 16 meters tall, the

What Is a Cell Tower and How Does a Cell Tower Work?

What is a Cell Tower? Cell towers, also known as cell sites, are where electric communications equipment and

Telestructure, Malaysia

Besides, the towers are formulated to house a variety of accessories which include platforms, antenna bracket, lighting system,

Signals from Above: The Tallest Radio Towers in the

Free-standing radio tower (Credit: Busa Photography via Getty Images) Integral to our global

Lattice tower

Lattice tower The Eiffel Tower, measuring 330 m (1,080 ft) from base to tip, is perhaps the most famous example of a lattice tower. It

How Tall Does A Cell Tower Have To Be To Be Effective?

Thus, people are begging the question: how tall does a cell tower have to be to be effective? Traditional Tower Height

45M 3 Legs Steel Lattice Telecom Communication Self Supporting Tower

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A telecom tower, also known as a communication tower, is a vital structure for the transmission and reception of telecommunications

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Megatro 45m Greenfield Communication Tower Mgt-GF-C45

Megatro 45m Greenfield Communication Tower Mgt-GF-C45, Find Details and Price about Square Telecom Tower Square Telecom

45 Meter Steel Guyed Tower Communication Antenna Mast

1.Customizable Height: Our telecommunication antenna monopole tower is available in heights ranging from 10m to 100m, allowing

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Megatro 45m Greenfield Communication Tower Mgt-GF-C45

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A complete selection of towers including self-support, lattice steel tower, monopoles and guyed towers, form custom-designed radar

Communication Towers | Vizona

Vizona''s telecommunication monopoles, ranging from 15 to 45 meters in height, are designed to provide maximum reliability and

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How Tall Is a Communication Tower? – Everything You Need to Know

The tallest communication towers are usually used for long-distance communication and can exceed 400 meters in

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