



RF Elements STH-A45-USMA | Sector antenna | 5150 - 5950MHz, 17dBi, 45°



link to the product:

<https://www.batna24.com/gb/p/wi-fi-lte-antennas/rf-elements-sth-a45-usma-sector-antenna-5150-5950mhz-17dbi-45>

Price: **368.36 zł** gross / 299.48 zł net



Manufacturer: RF ELEMENTS

Referention number: DNXXGJIRMMOK

Full product description

Cost-effective Horn type sector antenna with excellent noise immunity

RF Elements STH-A45-USMA is a scalar **Horn** type antenna **with** asymmetrical radiation pattern. The **STH-A45-USMA** has both a waveguide and **RP-SMA** interface for easy connection. **The StarterHorn A45 USMA antenna** is a suitable starter for customers who have no experience with Horn antenna technology and require a small initial investment.



Excellent beam performance

The **StarterHorn A45 USMA** has a unique radiation pattern. The main beam is asymmetric, with an elliptical cross-section: measured at -6dB, the beam width is 45° in azimuth and 30° in elevation.

Excellent noise immunity

Noise in unlicensed 5 GHz wireless networks is caused by side lobes of commonly used traditional patch array antennas. **The RF Elements StarterHorn A45 USMA antenna** has no side lobes, ensuring efficient use of the spectrum. As a result, the wireless network is not subject to high interference.

High beam efficiency

Beam efficiency (BE) is a measure of side lobes with values ranging from 0 to 100%. The higher the BE value, the fewer side lobes the antenna has. The **StarterHorn A45° USMA antenna has a BE of 90%**, thus suppressing the vast majority of interference and providing a significant increase in throughput. In comparison, the BE of commonly used patch array sector antennas rarely exceeds 58%!

Beamwidth and gain independent of frequency

The main lobe shape and gain of the **StarterHorn A45 USMA** antenna do not change with frequency. The antenna's performance is stable over a wide range of frequencies between the U-NII-1 and U-NII-3 bands. This is extremely important for WISP operators planning to deploy a network because they can rely on the antenna's performance every time they change channels.

Powerful ability to work in collocation

RF Elements StarterHorn A45 USMA provides superior performance in dense collocation installations. With StarterHorn A45 sector antennas, you can split a poorly performing 90° sector into two 45° sectors with excellent performance and offer higher bandwidth packets or connect more customers.



Flexible connectivity

The **StarterHorn A45 USMA** offers a wide range of radio connectivity options. **RP-SMA ports** are suitable for any radio with coaxial output. An additional waveguide port allows connection to **IsoStation and PrismStation** devices from **Ubiquiti Networks**.

Compact and robust

The **StarterHorn A45 USMA** is built with the highest quality materials, yet is reasonably priced. The antenna is made of **aluminum**, making it very **lightweight and compact**. Mounting is simple and functional with **M6 stainless steel** components.