

## SWA-KU360 V2 13.75-14.5 GHZ



SWA-Ku360 v2 13.75-14.5 GHz is omni Slotted Waveguide Antenna

It is designed for Ku-band with antenna aperture of 360° and linear polarization

Frequency range of 13.75-14.5 GHz (or any 800MHz of Ku-band)

Beam (H): 360°; Beam (V): 10°

Gain: 11 dBi

SWA-Ku360 v2 13.75-14.5 GHz is Ku-band omni slotted waveguide antenna designed for MVDS / MMDS broadcasting systems. SWA-Ku360v2 has 360 deg radiation pattern, high gain of 11dBi and wide frequency range of 13.75-14.5 GHz, in addition, has compact dimensions, minimal visibility and minimum windage characteristics. Signal transmitted by SWA-Ku360 v2 13.75-14.5 GHz can be received by typical Ku-band satellite dish and LNB.



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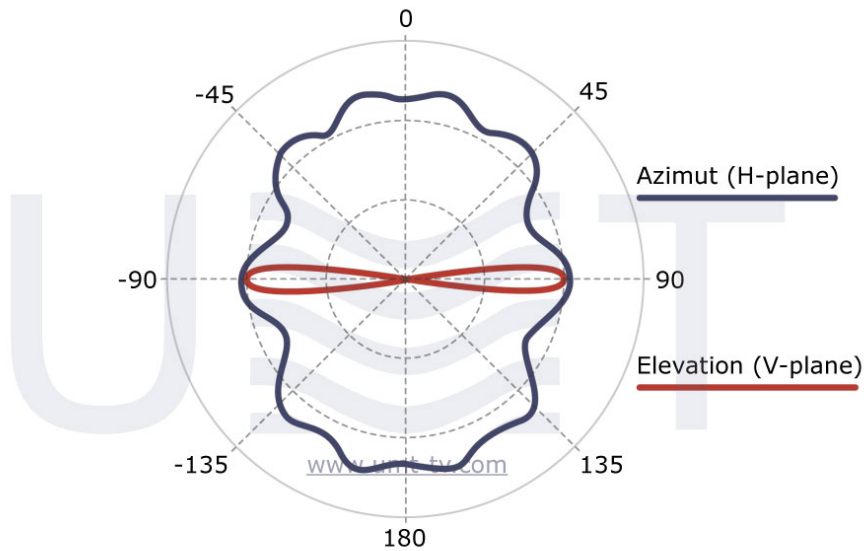
[Short instruction about antenna assembling](#)

### Key features:

- Omnidirectional: 360-degree radiation pattern
- High gain: 11 dBi
- Full Ku-band covering
- Light weight
- Compact size

## Main functions:

- Transmit Ku-band signals
- Applied as a part of broadcasting station, repeater and interactive microwave system



| Parameter   | Value  |
|---|--|
| <b>Frequency range, GHz</b>                         | 13.75-14.5 (or some other 800MHz of Ku-band via "customized equipment" button) |
| <b>Gain, dBi, at least</b>                          | 11   |
| <b>Gain variation in the aperture, dB, not more</b> | $\pm 2$  |
| <b>VSWR, max</b>                                    | 2  |
| <b>Polarization</b>                                 | Linear, horizontal, vertical (by order)  |
| <b>Cross-polarization, dB, not less</b>             | 25   |
| <b>HPBW:</b>  |  |
| <b>@horizontal</b>                                  | 360°   |
| <b>@vertical</b>                                    | 10 $\pm$ 1°  |

|                                    |  |
|------------------------------------|--|
| <b>Input power</b> , W, up to      | 20   |
| <b>Waveguide</b>                   | WR-75 flange   |
| <b>Operating temperature</b> , ° C | -40 ... +80  |
| <b>Humidity</b>                    | 100% @ 25°C  |
| <b>Dimensions</b> , mm, not more   | 245x115x115  |
| <b>Weight</b> , kg, not more       | 2.5  |
| <b>Mount</b>                       | Mounting on a vertical pipe with a diameter of 40 mm (max) |
| <b>Casing material</b>             | dust/moisture proof  |

*Taking into consideration that we (UMT LLC) are developer and system integrator, also do not stop on our technical growth and improvement, know that view of all our devices and equipment including their technical parameters may be different from pictures presented on website and parameters*

*listed on each device webpage.*

**Note!** *All details customer has to confirm in advance during ordering and before payment. Those parameters that were not specified and / or were not agreed while ordering will be implemented as basic at the discretion of the manufacturer. Each our customer has 1.5 year warranty and 7 year aftersales support for whole range of our products.*