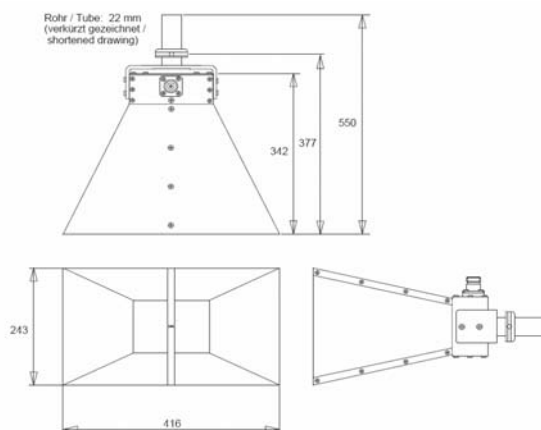


Standard Gain Horn Antenna MTA-SGH-1626

Short description

The Standard Gain Horn Antenna MTA-SGH-1626 offers a very low SWR in their nominal frequency range and a very broad bandwidth. The gain increases with frequency up to approx. 14 dBi. The increasing gain with frequency helps to compensate cable losses. The max. allowed input power is only limited by the female N connector. The detailed manual of the calibrated test antennas includes gain, antenna factor, SWR and directional patterns.

This antenna is useable for both, transmission and receiving applications.



Technical data

1 RF-specifications:

- | | |
|---------------------|-------------------------------------|
| 1.1 Impedance | 50 Ω |
| 1.2 Frequency range | 0,5 GHz - 2,8 GHz |
| 1.3 VSWR | <2 typ. |
| 1.4 Gain | 5 - 14 dBi |
| 1.5 Antenna factor | 19 - 26 dB/m |
| 1.6 Power handling | 300 W (limited only by N-connector) |
| 1.7 Technology | Wideband double ridged horn |

2 Connectors:

- | | |
|-------------------|----------|
| 2.1 RF connectors | N female |
|-------------------|----------|

3 General specifications:

- | | |
|----------------|--|
| 3.1 Dimensions | (W x H x D)
416 x 240 x 550 mm |
| 3.2 22 mm Tube | 22 x 200 mm, equipped with an index ring for quick changes of polarisation without using tools |
| 3.3 Material | Aluminium |
| 3.4 Weight | 3,8 kg |

4 Delivered parts:

MTA-SGH-1626
CD-ROM with short description

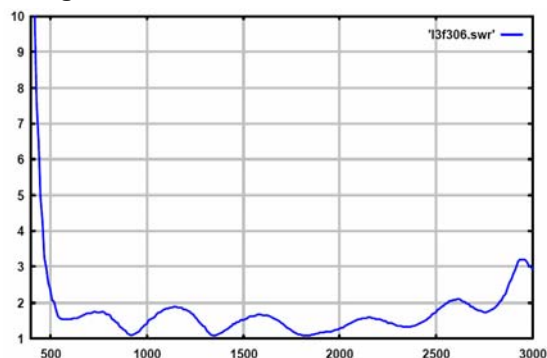
5 Comments:

- | | |
|----------------|-----------|
| Warranty | 12 months |
| RoHS compliant | Yes |

6 Recommended accessories:

Measurement cable assemblies
Preamplifier
Tripod

7 Diagram SWR:



Insertion of an attenuator is advisable if the equipment presents a high internal SWR (e.g. in the 0 dB position of an internal step attenuator. In this case the attenuation must be added to the antenna factor (dB/m) or subtracted from the gain (dBi, dBd.)