

## Electrical and mechanical Data

Art.-Nr.: FTS 96400

The FTS Clear Window 5G Antenna is an innovative technology in the field of wireless communication that aims to improve signal penetration and quality through antennas with a transparent design. The FTS Clear Window 5G Antenna can be installed discreetly yet efficiently on the outside of the window. The FTS Clear Window 5G antenna was developed for double and triple glazing. Thanks to its flexible design, the antenna can also be used on curved or arched panes.

### Highlights of the FTS Clear Window 5G Antenna | Standard 5G

- ✓ Can be used for all radio networks from 600 MHz to 6 GHz
- ✓ Transparent single antenna for indoor and outdoor use
- ✓ Weatherproof multi-band disc antenna | UV-resistant
- ✓ Connection via SMA female directly on the antenna
- ✓ Suitable as a mobile transparent antenna for cars and motorhomes
- ✓ Gain -1dBi to 6dBi (depending on frequency band)
- ✓ Hardly susceptible to PIM



### Details of the FTS Clear Window 5G Antenna

#### Electrical properties

Frequencies	600 MHz bis 6000 MHz
Gain typical	Bis 6dBi
VSWR	< 1,9
Horizontal Beam width (Öffnungswinkel)	360°
Polarisation	omnidirektional
Impedanz	50 Ohm
Front/ Ratio	10 dB
DC - short circuit	Without (With DC short-circuit is being tested)
Pmax Input (electrical robustness)	10W
Connection	SMA female

#### Mechanical properties

Material	Transparent conductive CNT hybrid film (TCF)
Protection class	IP 65 DIN EN 60529
Colour	transparent
Dimensions	125 mm x 155 mm x 0,32 bis 0,34 mm
Weight	10g

#### Delivery contents

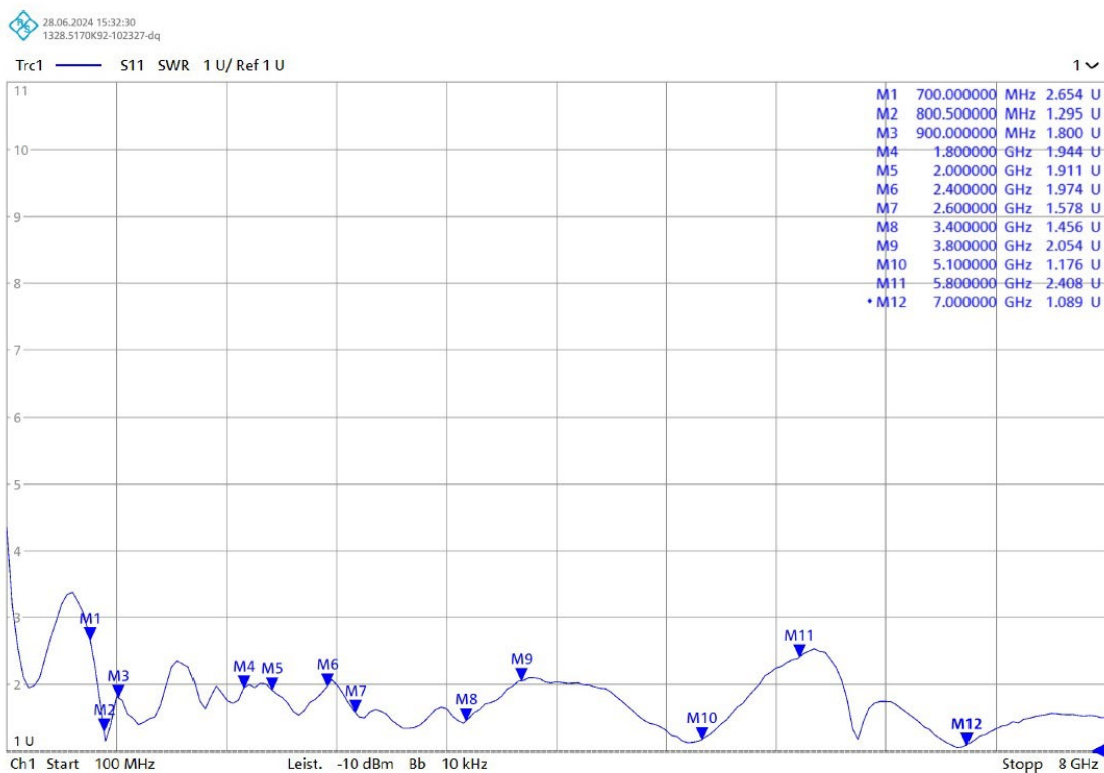
FTS Clear Window 5G Antenna	1 pcs
Suction cup holder d=30mm   4mm screw	4 pcs
Double-sided adhesive tape	1 pcs (in planning)
Connection cable in selected length and type	1 pcs

## Mounting the FTS Clear Window 5G Antenna

The antenna is attached to the outside of the window pane. The 4 suction cups are used for simple and flexible installation. The window pane should be free of dust and grease before installing the antenna. Clear double-sided adhesive tape is used for permanent installation. The antenna connections should point towards the edge of the window.

The connection cable is laid through the window. A position without locks or hinges should be selected for this. Otherwise the cable will be destroyed. The cable feed-through can only be used on windows with a rubber seal.

## VSWR of the FTS Clear Window 5G Antenna



## CE - Declaration of Conformity

The FTS Clear Window 5G antenna was developed by FTS Hennig. It is manufactured in Europe. FTS Hennig declares that the Clear Window 5G Antenna is in compliance with the essential requirements and other relevant provisions of Directives 2014/53/EU, 2009/125/EC and 2011/65/EU.

The antenna fully complies with RoHS, CE and IEC directives.

