



## FTS Complete All 5G Antenne

**Article No.:** FTS 96220

**Manufacturer:** FTS Hennig

**EAN:** 4260265970029

### Description:

The FTS Complete All 5G Antenna is a high directional MIMO antenna which supports 3G, 4G, 5G and WLAN. It is a high performance antenna, which can be used for many 5G networks. The newly produced antenna has a diversity support and can also be used for WLAN with 2,4 GHz and 5 GHz, IoT and LoraWAN. The rugged material of the antenna and the wide frequency range make the antenna to a sustainable product for the next 10 years.

### Electrical Data:

Frequency Range	650 MHz to 7000 MHz
Peak Gain	2x 12 dBi
VSWR	< 1,7
Beam width	60°
Vertical Beam width	-
Nominal Impedance	50 Ohm
Polarisation	Cross-polarized (1x vertical, 1x horizontal)
DC – short-circuit	Nein
Material	case ABS light grey RAL 7035 / dark grey RAL, Aluminium
Ingress protection	IP 65 DIN EN 60529
Mounting bracket material	Stainless steel
Pole diameter	30-55 mm
Termination	2x N female
Size	18,6 x 35,2 x 14,7 cm (without mounting material)
Weight without mounting bracket material	1,2 kg

## Installation of the 5G antenna:

1. Please fix the mast mount as it is shown in the picture below. The antenna mast with 30 to 55 mm needs to be sideways to the clip and bracket.
2. The connectors should be covered with self-vulcanising tape. It is important, that the connectors are completely covered with the tape.
3. The M8 nuts should be tighten with a wrench 13.

### Receive direction



The peak of the antenna shows towards the mast.

### Tilt & grade



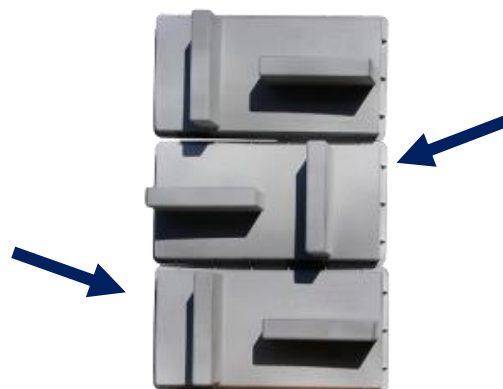
If the closer field of the antenna should be reached, we recommend the inclined installation of the antenna

### Antenna modules



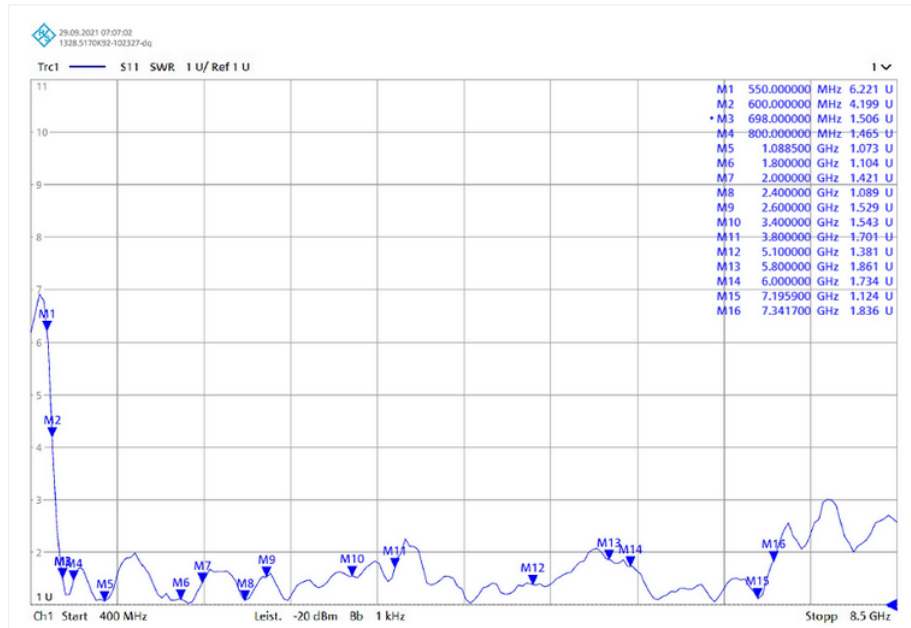
If you want to use 2-3 modules, please install the modules similar to the picture

### Horizontal & vertical

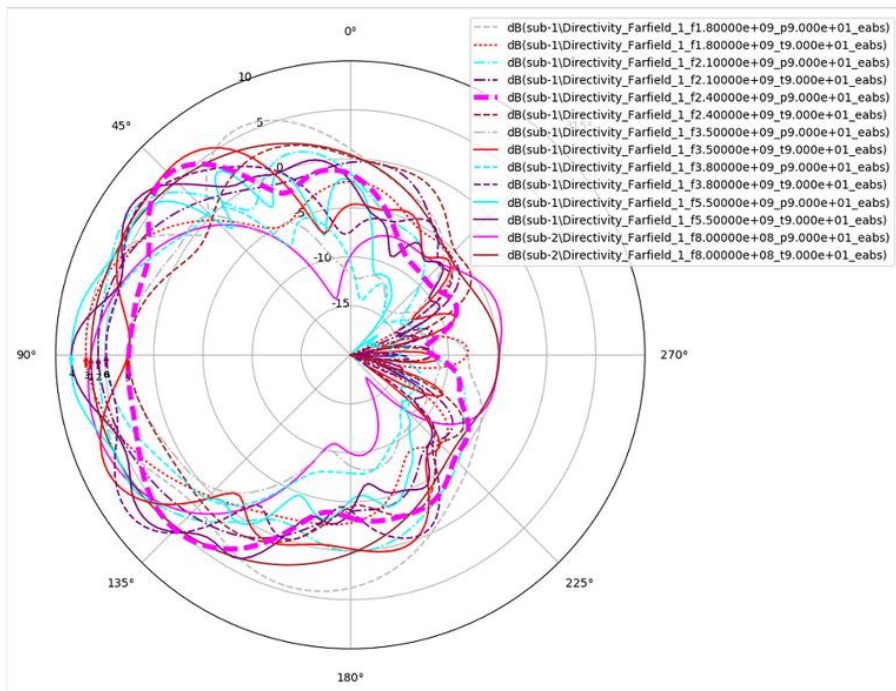


The modules are mounted alternatly horizontally & vertically.

# Measurement report of the FTS Complete All 5G Antenna



## Radiation diagram of the 5G antenna



## Declaration of conformity

FTS Hennig declares, that the FTS Complete All 5G Antenna is produced in conformity with the basic requirements und the relevant policy specifications of 2014/53/EU, 2009/125/EG and 2011/65/EU



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