

Code: ATK-ALP/LTE+SMA/10

LOGARITHMIC ANTENNA **ATK-ALP/LTE+SMA/10** GSM/DCS/UMTS/HSDPA

Net: **29.99 EUR** Gross: **36.89 EUR**

Logarithmic antenna has been designed to use in GSM/DCS/UMTS/HSDPA/LTE systems. The antenna effectively solves the problems of inadequate signal level which often occurs in the case of modems/devices with built-in antennas.

To enjoy the full speed of LTE you must purchase 2 antennas - and install one vertically and the other horizontally.



SPECIFICATION

Frequency range:	800 ... 3000 MHz : GSM / DCS / UMTS / HSDPA / LTE
Connectors:	SMA plug
Gain :	max. 9 dBi
Impedance:	50 Ω
Horizontal beam width (H):	76 °
Vertical beam width (V):	66 °
Polarization:	Vertical
VSWR:	< 1.7
Main features:	<ul style="list-style-type: none">• Length of the cable - 10 m,• Antenna is DC short-circuited,• Maximal mast diameter 45 mm• Very easy and quick assembly
Weight:	0.31 kg
Dimensions:	260 x 180 x 25 mm
Guarantee:	2 years

PRESENTATION

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Mast mounting diameter:



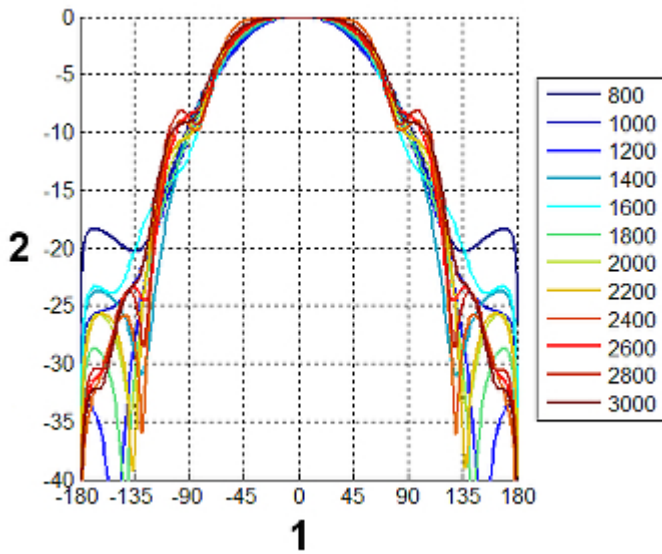
To enjoy the full speed of LTE you must purchase 2 antennas - and install one vertically and the other horizontally:



Antenna connector:



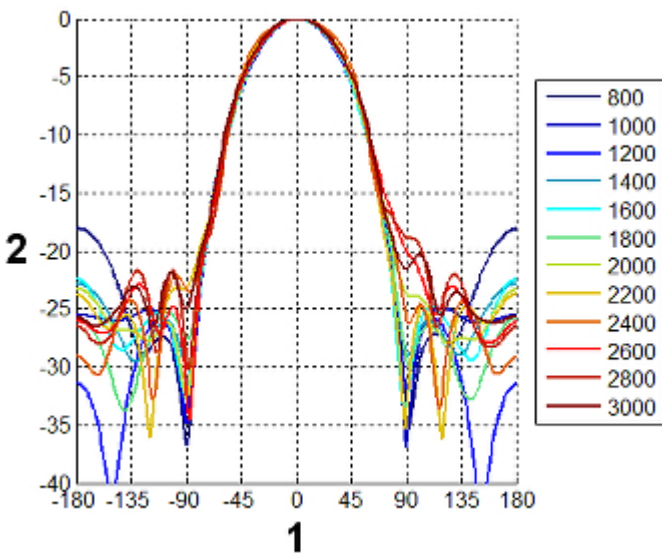
Antenna radiation patterns in horizontal plane:



1) θ beam width

2) Gain [dB]

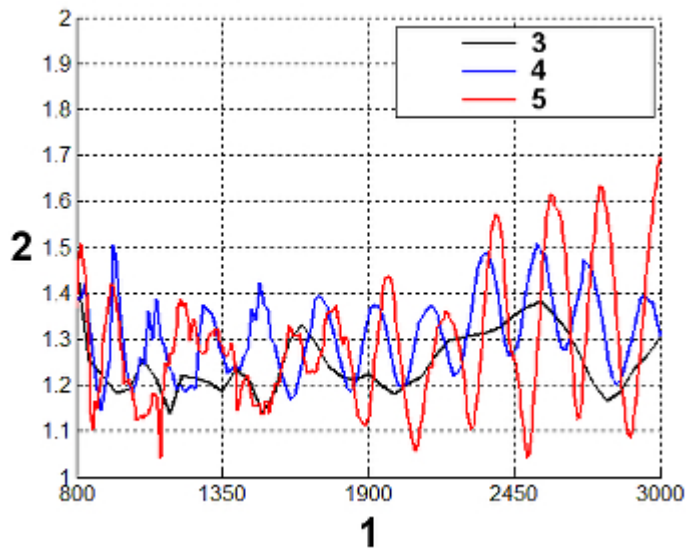
Antenna radiation patterns in vertical plane:



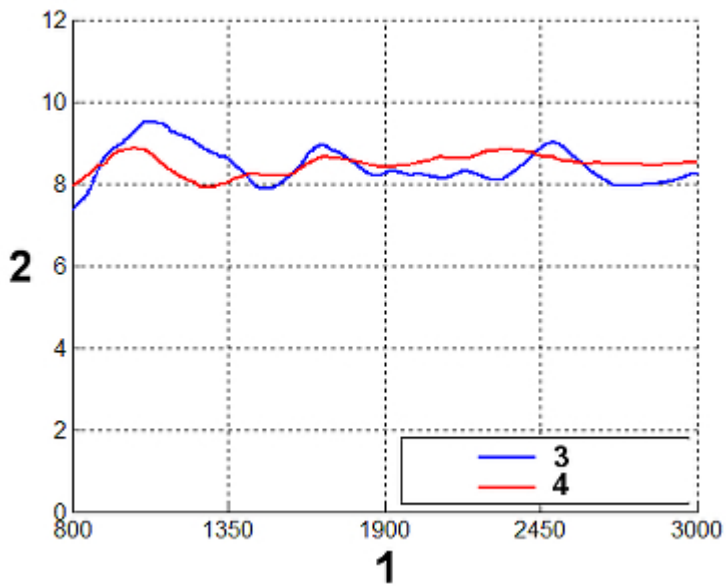
1) ϕ beam width

2) Gain [dB]

VSWR versus frequency:



- 1) Frequency [MHz]
 - 2) VSWR
 - 3) EM simulation
 - 4) Antenna without cover
 - 5) Antenna with cover
- Gain versus frequency response:



- 1) Frequency [MHz]
 - 2) Gain [dBi]
 - 3) Antenna without cover
 - 4) Antenna with cover
- In the kit:

