

ANT. GPS - 76.7÷79.2 - 434÷445MHz with diplexer

T-AT9059

SPECIFICATIONS:

Material	
Cap	Polyamide 6
Gasket	Arnitel EP 400
Rod. Pibiflex 2564	
Colour	Black
Base dimensions (mm)	
Lenght	95
Width	52
Mounting hole (mm)	
Squared	15*15
Round	Ø 19
Temperature (°C)	-30° - +80°



TECHNICAL DATA GPS/GNSS GALILEO

Antenna type	Active Planar Patch Antenna
Center frequency	1580 MHz
Bandwidth	± 28MHz
V.S.W.R	Less than 2.0
Impedance (Ohms)	50
Polarization	RHCP
Supply voltage	2.7 ÷ 5.1 V
Current absorption	10 ± 1 mA at 2.7 V. 16 ± 1 mA at 5.0 V.
Gain amplifier	18 ± 1 dB at 2.7 V. 22 ± 1 dB at 5.0 V.
Gain patch antenna	2 dB
Noise figure	1.7 ÷ 2.1 dB
Temperature (°C)	-30° - + 80°
Cable lenght	RG 174 mm.180±20
Connector	SMAM.
Extension cable	RG 174 mm.4000 SMA F. / FME M.

TECHNICAL DATA 78MHz:

Antenna type	1/4 l Mobile Antenna
Frequency range	76.9 ÷ 79.2 MHz
Impedance (Ohms)	50
Max power (W)	20
V.S.W.R	less than 2.0
Polarization	Vertical
Emission	Omnidirectional
Cable lenght	RG 174 mm.180±20
Connector	FME M.
Extension cable 1	RG 58 mm.2372 TNC M. / FME F.
Extension cable 2	RG58 mm.1500 BNC M./BNC M.

TECHNICAL DATA UHF:

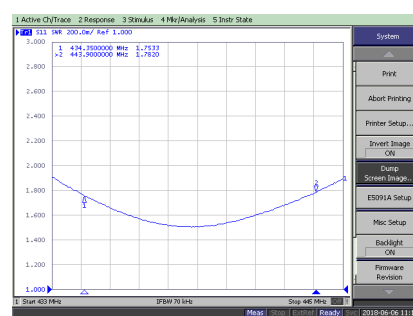
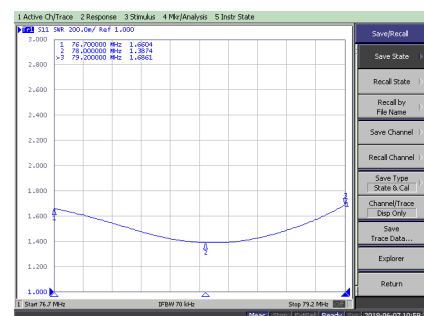
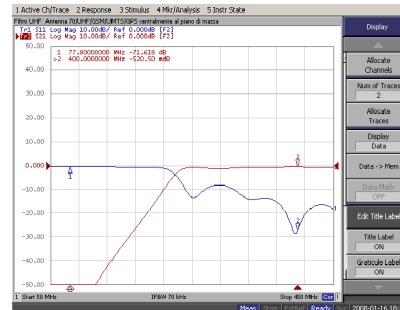
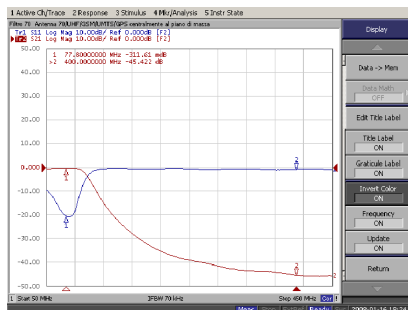
Antenna type	1/4 l Mobile Antenna
Frequency range	434 ÷ 445 MHz
Impedance (Ohms)	50
Max power (W)	10
V.S.W.R.	Less than 2.2
Polarization	Vertical
Emission	Omnidirectional
Gain (dBi)	2.14
Rod lenght (mm)	585 ± 10
Rod section	1
Rod elevation	74°
Cable lenght	RG 174 mm.180±20
Connector	FME M.
Extension cable 1	RG 58 mm.2372 TNC M. / FME F.
Extension cable 2	RG58 mm.1500 BNC M./BNC M.

Atel-Antennas S.r.l.

Viale Caduti sul Lavoro, 21/A - 15061 Arquata Scrivia (AL) - Italy

Tel. +39 0143 635496 - Fax +39 0143 666423 - Website: www.atel-antennas.eu - Mail: commerciale@atel-antennas.eu - P. IVA 02442250060

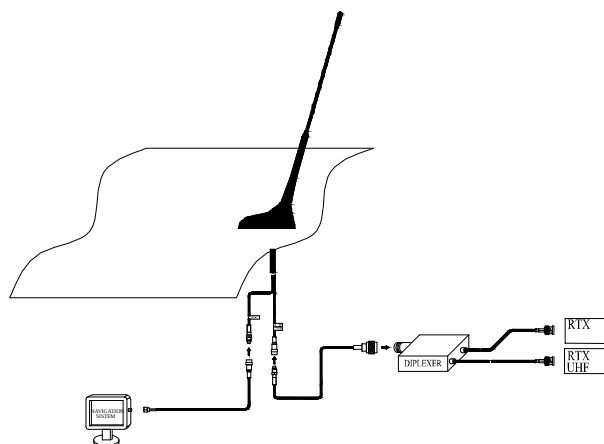
PERFORMANCE DIAGRAMS



NB = We recommended one extension cable no shorter than 2372 mm for having a good performance of the antenna.

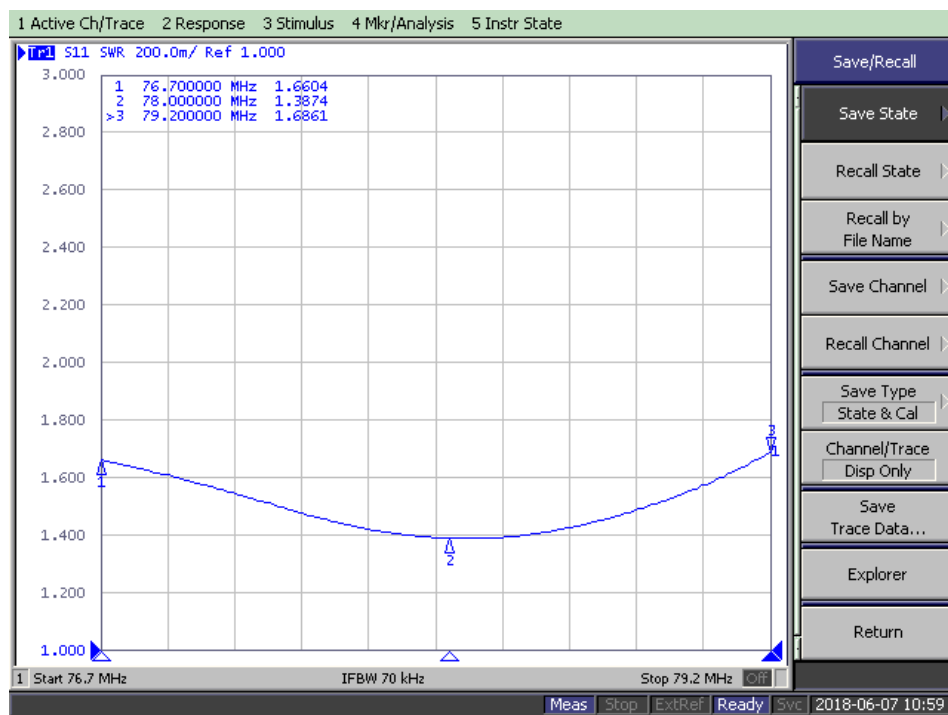
**Every antenna kit and diplexer should be mounted separately,
Do not mount antenna and diplex of another kit!**

INSTALLATION: BACK SIDE OF THE ROOF



PERFORMANCE DIAGRAMS

V.S.W.R. 78 MHz



V.S.W.R. 434-445 MHz

