

ANT. GPS/GPRS-UMTS / VHF150÷174MHz / UHF 380÷400MHz with DIPLEXER

T-AT9003

SPECIFICATIONS:

Hole	Squared 15x15 mm; Round Ø 19 mm;
Base dimension	Length 92 mm; Width 51 mm;
Cap material	Polyamide 6;
Gasket material	Pibiflex 2564;
Colour	Black;
Weight	» 600 g;
Temperature	From -35°C to +80°C;
Mounting	On the Roof;



TECHNICAL DATA UMTS

Antenna type	1/4l Mobile Antenna
Frequency range	GPRS 1900±3 MHz UMTS 1900-2170 MHz
V.S.W.R	Less than 2.0
Impedance (Ohms)	50
Polarization	Vertical
Cable	RG 174 mm.115±20
Connector	FME M.
Exstension cable	RG58 mm.5000 FME F / SMA M

TECHNICAL DATA GPS:

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. 18 ± 1 dB at 2.7 V. 22 ± 1 dB at 5.0 V.
Gain amplifier	2 dB
Gain patch antenna	1.7 ÷ 2.1 dB
Noise figure	- 30° - + 80°
Temperature (°C)	RG 174 mm.180±20
Cable	SMA M.
Connector	RG174 mm.5000 SMA F/SMA M
Exstension cable	

TECHNICAL DATA VHF:

Antenna type	1/4 lMobileAntenna
Frequency range	150÷174 MHz
Impedance (Ohms)	50
Max power (W)	20
V.S.W.R.	less than 2.0
Polarization	Vertical
Emission	Omnidirectional
Gain (dBi)	2.14
Cable lenght	RG 174 mm.280±20
Connector	FME M.
Extension cable 1	RG 58 mm.4915 FME F. / TNC M.
Extension cable 2	RG 58 mm. 1500 BNC M. / BNC M..

TECHNICAL DATA UHF:

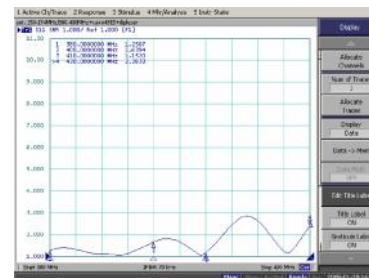
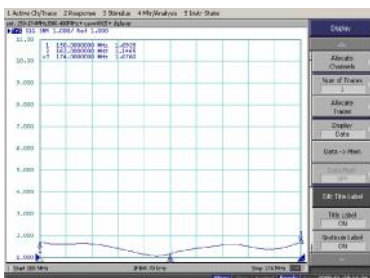
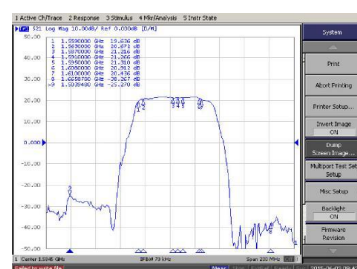
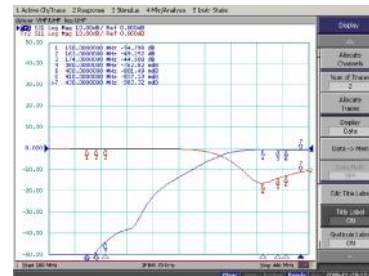
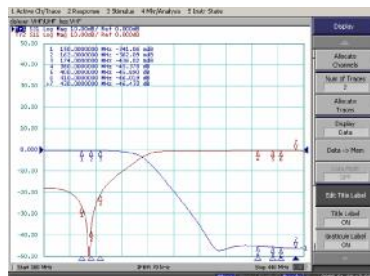
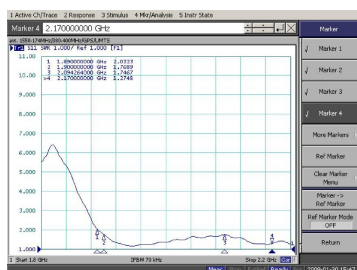
Antenna type	5/8 lMobileAntenna
Frequency range	380 ÷ 400 MHz
Impedance (Ohms)	50
Max power (W)	20
V.S.W.R.	less than 2.0
Polarization	Vertical
Emission	Omnidirectional
Gain (dBi)	5
Rod lenght (mm)	530 ± 10
Rod section	1
Rod elevation	74°
Cable lenght	RG 174 mm.280±20
Connector	FME M.
Extension cable 1	RG 58 mm.4915 FME F. / TNC M.
Extension cable 2	RG 58 mm. 1500 BNC M. / BNC M.

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PERFORMANCE DIAGRAMS



NB = We recommend one extension cable no shorter than 4915mm for having a good performance of the antenna.

INSTALLATION: CENTRAL SIDE OF THE ROOF

INSTALLATION: BACK OR FRONT SIDE OF THE ROOF

