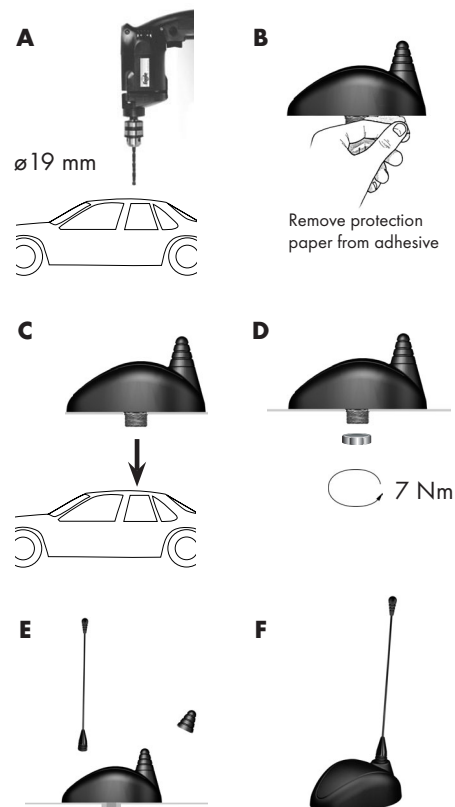
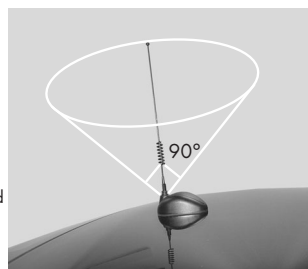


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SMARTEQ™
 WIRELESS TELECOM

**Mounting instruction
for Ant**
**Installation
Ant**


Keep area (see picture) free from items such as Taxi signs, ski-boxes or other roof mounted utilities to avoid disturbance of the **GPS** signal.


 FME male
for GSM or AMPS

 FME female
for optional radiator

 SMA male
for GPS

Electrical characteristics:
Passive specification

	Unit	Mobile phone GSM 900/1800	Mobile phone AMPS/PCS	Optional radiator	GPS
Frequency	(MHz)	890-960/ 1710-1880	824-894/ 1850-1990	27-600	1575,42±1
Impedance	(Ohm)	50	50	50	50
VSWR		<2:1	<2:1	2:1 typ	<1,5:1
Gain	(dBd)	1	1	0-3	N/A
Max power	(W)	10	10	30	N/A
Polarisation		Vertikal linear	Vertikal linear	Vertikal linear	RHCP
Connector		FME-male	FME-male	FME-female	SMA-male

Active specification GPS-LNA

Gain (LNA+Patch)	30 dBic
Noise figure	≤1.95 dB
VSWR	1.5:1
Supply Voltage	3.0-5.0 V DC
Current consumption	<25 mA

Mechanical characteristics:

Length of whip, max	1100 mm
Mounting hole	19 mm
Cable	RG316
Torque SMA connector	0.9 Nm
Torque FME connector	2.0 Nm
Torque Nut	7 Nm

Important!

Fix installation, with a cable length exceeding 2.5 m. Short circuit the installed adapter cable before connecting to the ANT/GPS to prevent ESD damage to the GPS-LNA.



Specifications are subject to change without prior notice.

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