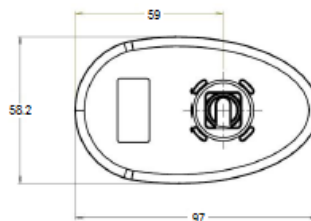
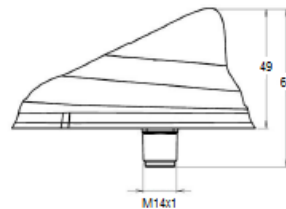


The bloomice FIN GPS GSM LTE/4G & WIFI antenna is a robust versatile 'Shark Fin' Style, body mounted antenna designed for use in challenging environments providing excellent performance across a wide spectrum. The bloomice FIN GPS, GSM LTE/4G & WIFI antenna is available as 'standard' in matt Black but can also be supplied to a RAL finish to meet custom specific requirements (subject to minimum order quantities).

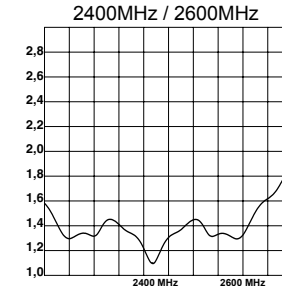
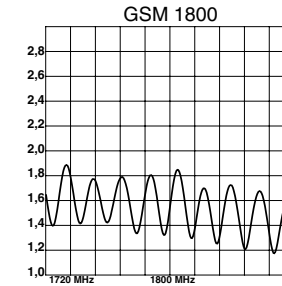
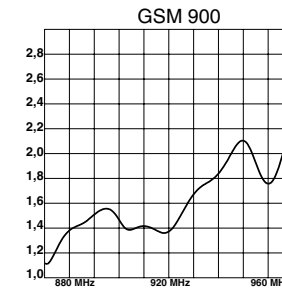
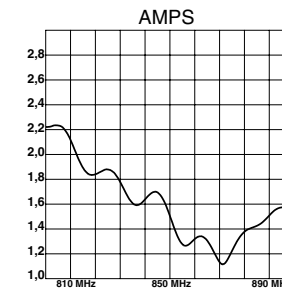
The three separated PCB elements (GPS, GSM & LTE/4G and WIFI) are embedded within a rugged ABS housing. An M14X1 through bolt ensures a solid electrical and mechanical connection. Three separate coaxial leads are fed and interconnected via the centre of the base thread.

The bloomice FIN GPS, GSM LTE/4G & WIFI antenna is perfectly suited for use within the automotive industry, transportation sector, marine environment and with any externally sited application where solid reliability coupled with superb performance is essential.

PRODUCT OVERVIEW



CAD DRAWING



TYPICAL VSWR



PRODUCT PICTURE

Electrical Specification - GPS Function

Polarisation	RHCP
LNA Gain	26dB @ 3v / 27dB @ 5v
LNA Voltage	2.7v - 5.5v
Gain	0dBi
Power Handling	138mW
Impedance	50Ω

Electrical Specification - GSM & LTE/4G Functions

Polarisation	Vertical
Frequency	800MHz, 850MHz, 900MHz, 1800MHz, 1900MHz, 2100MHz, 2600MHz
Gain	0dBi @ 800MHz-900MHz / 2.2dBi @ 1.9GHz-2.6GHz
Power Handling	50w
Impedance	50Ω

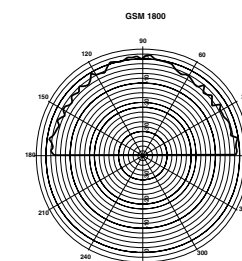
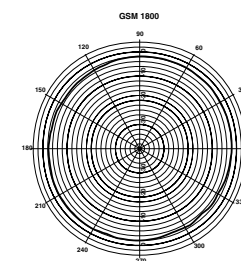
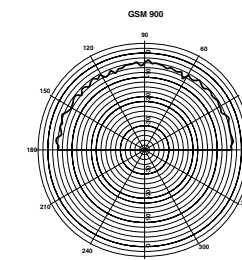
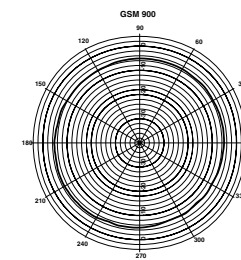
Electrical Specification - WIFI 2.4GHz

Gain	2.2dBi
Power Handling	50w
Impedance	50Ω

Physical Characteristics

Dimensions	64mm (H) x 97mm (Front to Rear) x 58.2mm (W)
Net Weight	206g
Operational Temperature	-40 °c to +85 °c
Humidity	100% @ 25 °c
Connector	According to customer specification
Cable Type	RG174 Black
Cable Length	According to customer specification

TECHNICAL DATA



RADIATION PATTERNS