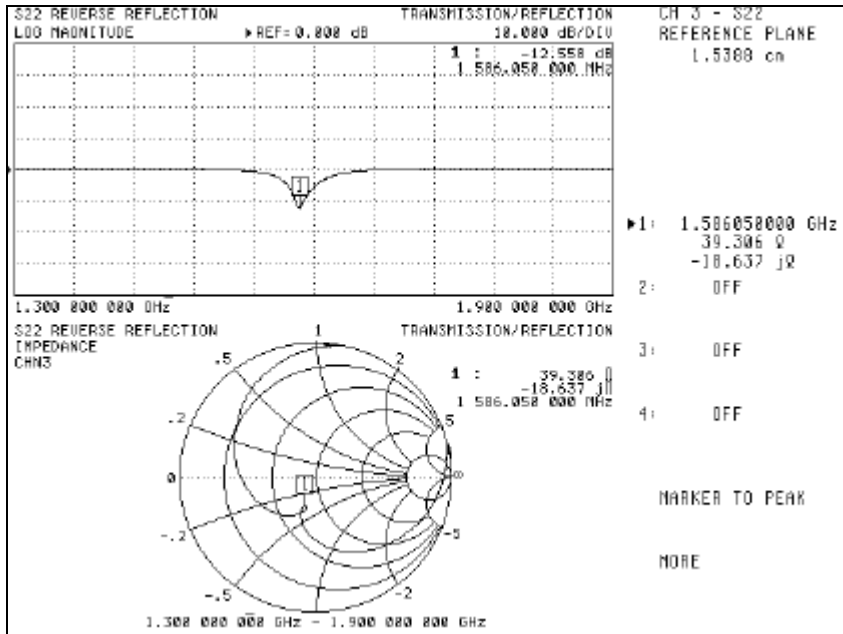




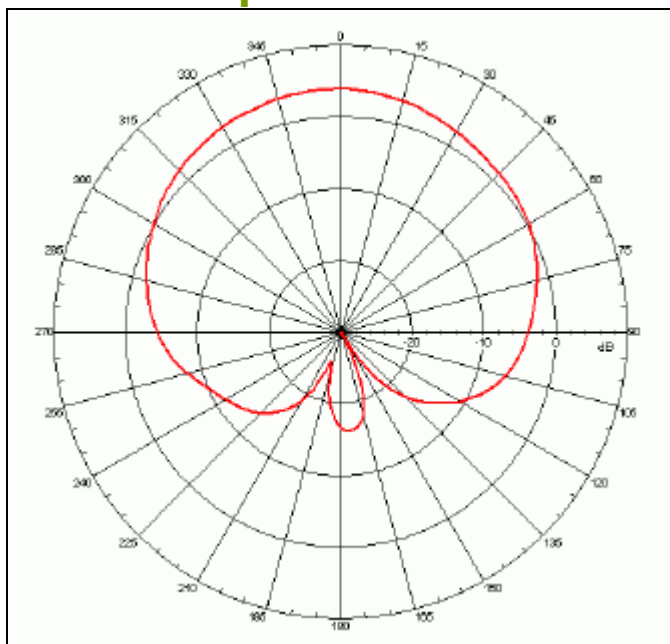
## Electrical Specifications

Centre Frequency	1575.42 MHz $\pm$ 2 MHz
Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +85°C
Input Voltage	2.7~12V
Power Consumption	5mA Max @14dB 10mA Max@28dB 15mA Max@38dB
Output Connector	Customisable – SMA(M) standard
Mounting	Magnetic Mount with added 3M Double-Sided Adhesive
Gain	30dB+ Standard
Noise figure	1.5dB max
Axial Ratio	2.0dB max
Polarization	RHCP
Output Impedance	50 $\Omega$
VSWR	1.92 maximum
Dimensions	44 x 33 x 14 mm

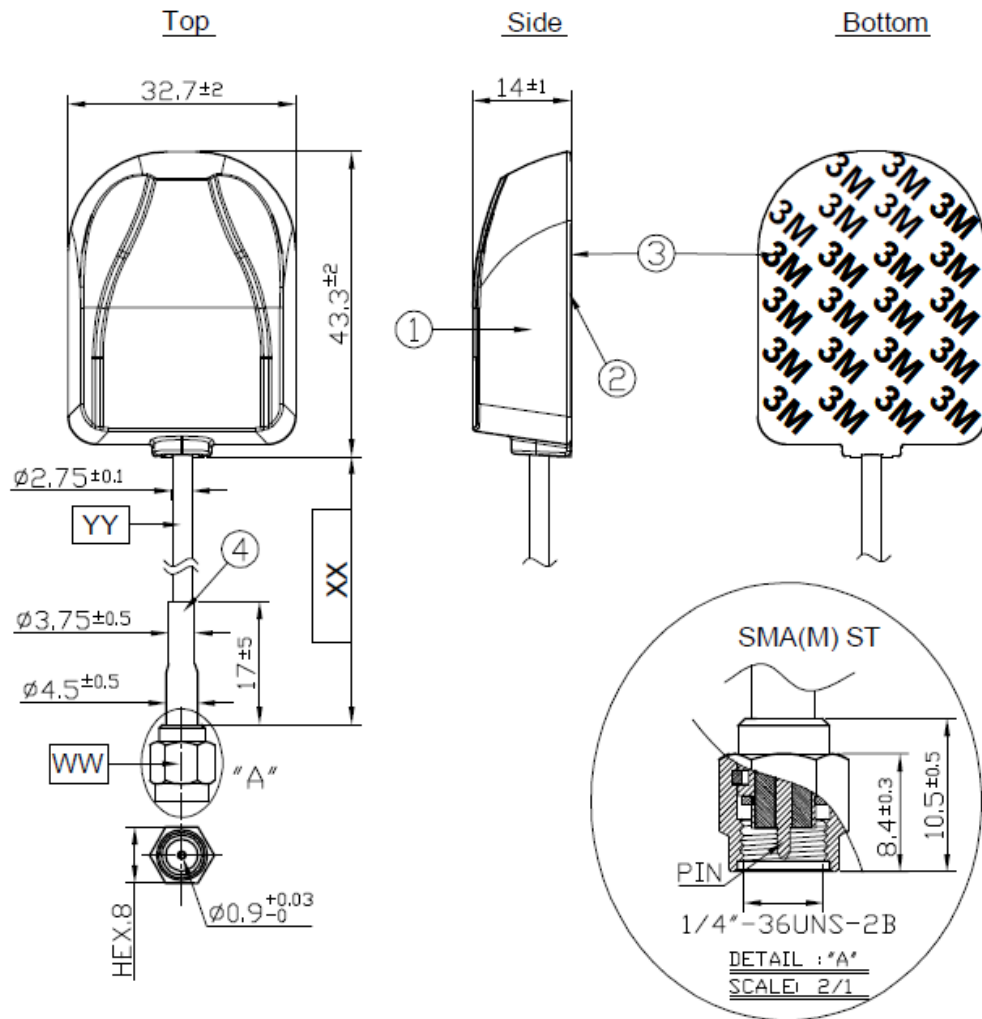
## Patch antenna return loss & impedance



## Radiation pattern



# Drawing



	Name	Material	Finish	QTY
1	GPS Antenna Housing Top	PC	Black	1
2	GPS Antenna Housing Bottom	PC	Black	1
3	Double Sided Adhesive	3M 4612	White	1
4	Heat Shrink Tube	PE	Black	1

	Name	Spec	Finish	QTY
WW	Connector Type	SMA(M) ST	Gold	1
XX	Cable Length	3000±30mm	Black	1
YY	Cable Type	RG174	Black	1

