EPR - Super M Tag

FEATURES

- M-Super is a frequency independent tag and operates effectively with read range of over 15m when attached to metal.
- Rugged construction for high durability.
- Can be attached by screws with the help of two holes.
- Can also be provided with Adhesive tape for easy attachment.

APPLICATIONS

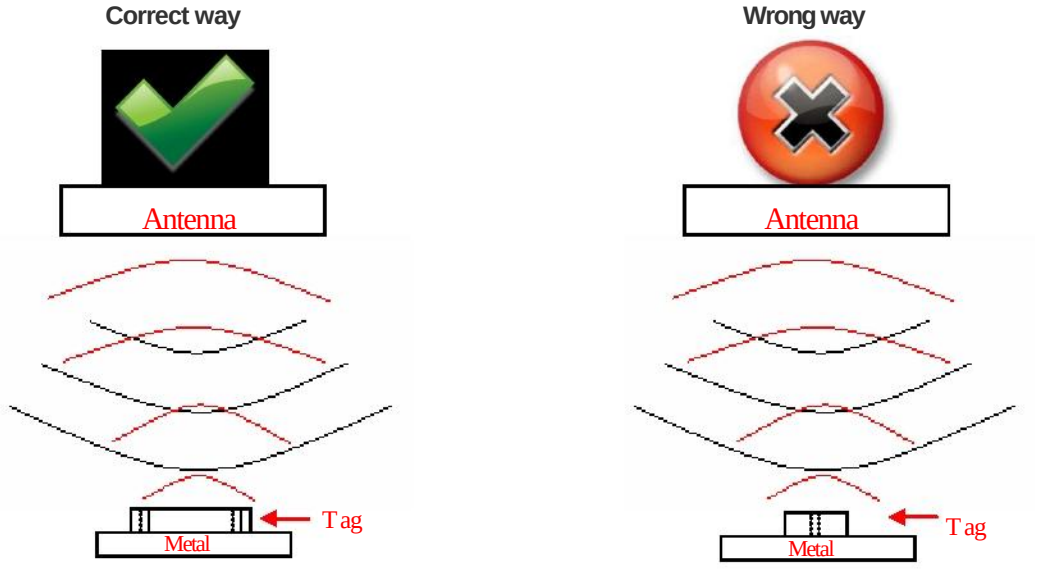
- Due to high read range, M-Super can be effectively used in asset tracking, Ware house management, Containers and Railway Coaches identification in any part of the world irrespective of frequency used in country.
- Factory automation, Automotive & Security purpose.

Chip Type:	**Alien Higgs 3 EPC Class 1 Gen 2**	
	EPC 96 bit extendable up to 480 bits	
	User Memory 512 bit	
	Data retention of 50 years	
	Write endurance 100.000 cycles	
Mechanical:	Dimension	150 x 58.5 x 14.4 mm
	Material	ABS
	Colour	Blue 73 g
	Weight	
Electrical:	Operating Frequency	865-868MHz, (902-928MHz also available on request)
	Operating mode	Passive (battery-less transponder)
Ingress Protection:	IP67	
Thermal:	Storage Temp.	-40°C to +85°C
	Operating Temp.	-40°C to +85°C
Part Number:	EPR 344V1	
Options:	Available with:	
	Other IC type	
	Other plastic material and colours e.g. PC/ABS	
	Adhesive backing for easy mounting	

Dimension

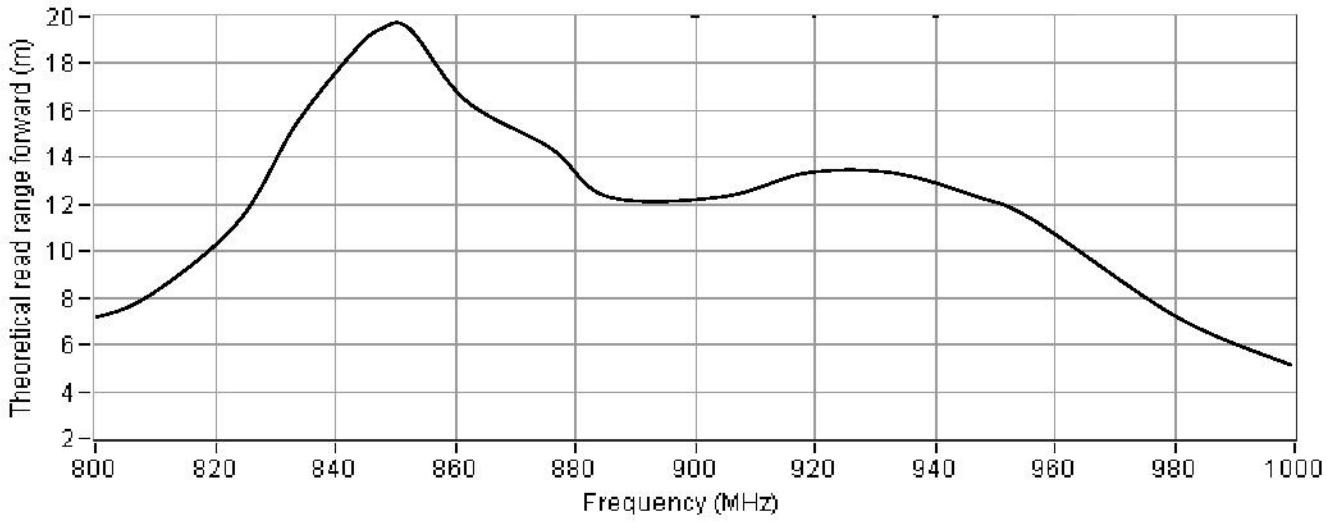
Tag Placement

- M-Superior is polarized parallel to line joining its two holes.
- Place the tag in such a way that most of its bottom area comes in direct contact with metal. Ensure that
- there is no hindrance between the tag and the reader antenna.
- Reader antenna should be parallel to the tag length as shown in below figure:



- Tag can be attached either through screw M5/ Rivets / Adhesive tape.
- Attachment through adhesive should be used only for indoor application.

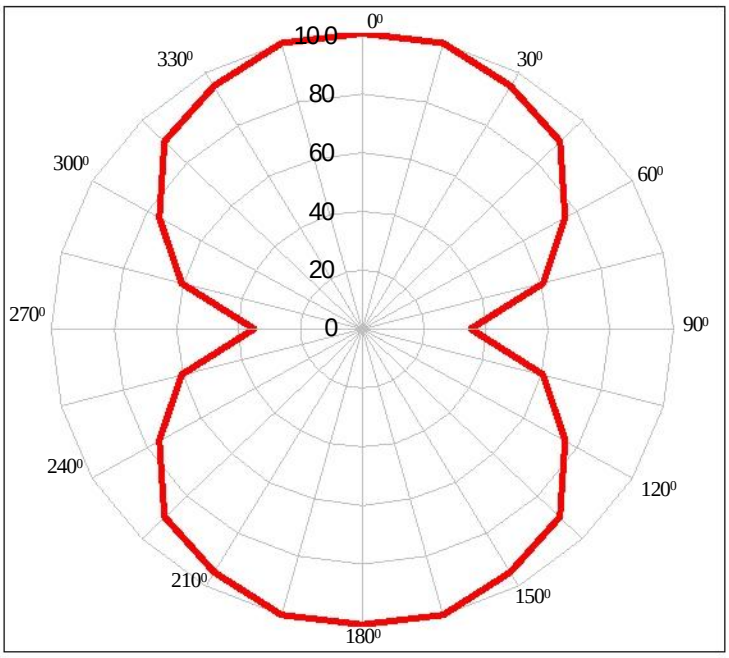
Frequency v/s Read Range Graph



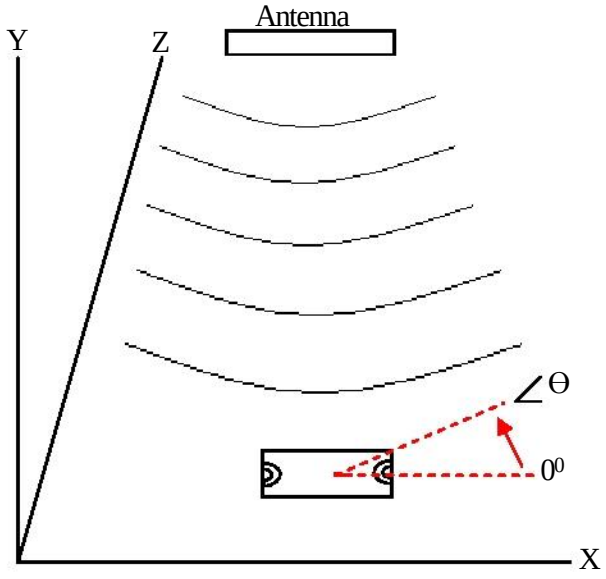
Angular Sensitivity

M-Super Tag Angular Sensitivity

(Relative Read Range vs. Orientation)



Read range (in percent) at various angle.



Tag is rotated in the X-Y plane about the z axis