TheTagFactory
MANUFACTURER OF RFID TAGS

Data Sheet

Magneto Tag

FEATURES

- Magneto tag is a frequency independent tag and operates effectively with read range of over 8m when attached to metal.
- Rugged construction for high durability.
- Can be attached directly on iron with the help of magnet.

APPLICATIONS

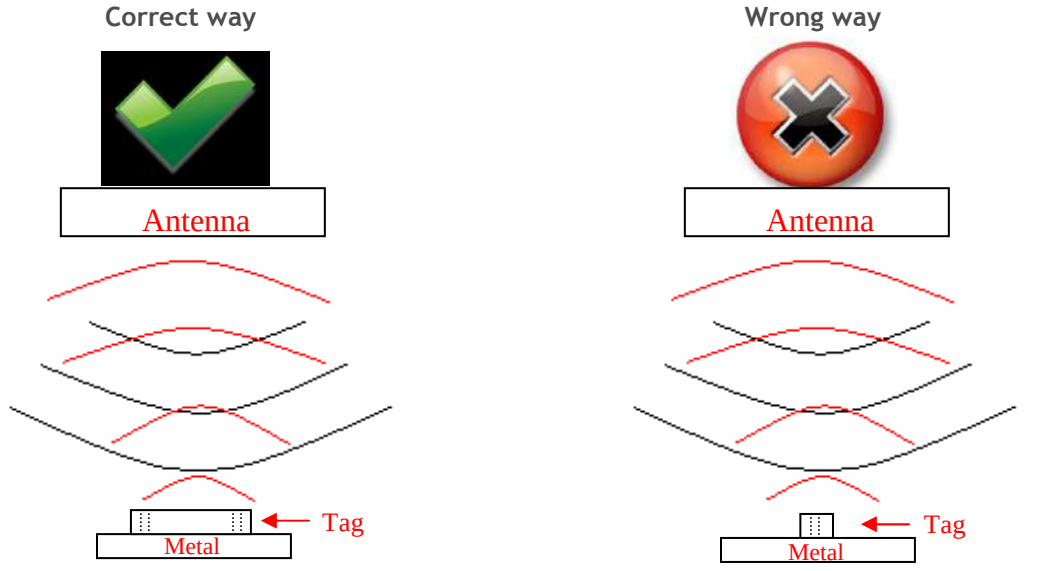
- Due to global frequency tuning and high read range, Magneto tag can be effectively used in asset tracking, Ware house management, Containers and Railway Coaches identification in any part of the world irrespective of frequency used in country.
- Factory automation, Automotive & Security purpose.

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 25 x 12 mm
	Material	ABS
	Colour	Black
	Weight	91.3 g
Electrical:	Operating Frequency	860-960 MHz
	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:	378V1	
Options:	Available with:	
	Other IC type on request	
	Other plastic material and colours e.g. PC/ABS	
	Adhesive backing for easy mounting	

Dimension

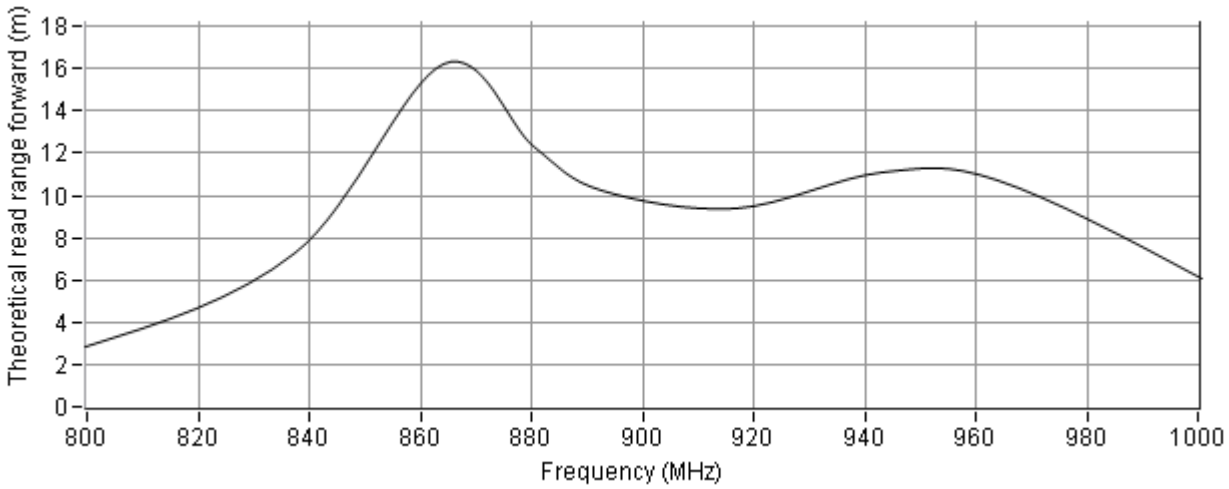
Tag Placement

- Magneto tag is polarized perpendicular to TTF logo.
- 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 directly on Iron with the magnet.

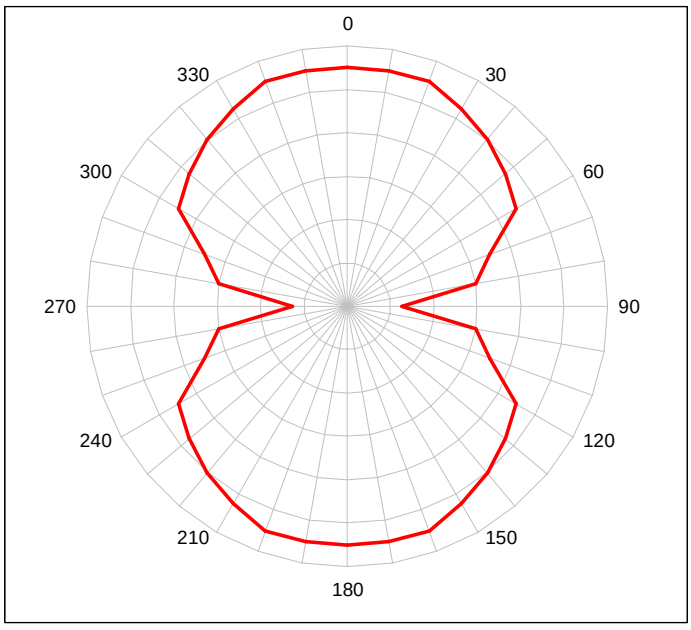
Frequency v/s Read Range Graph

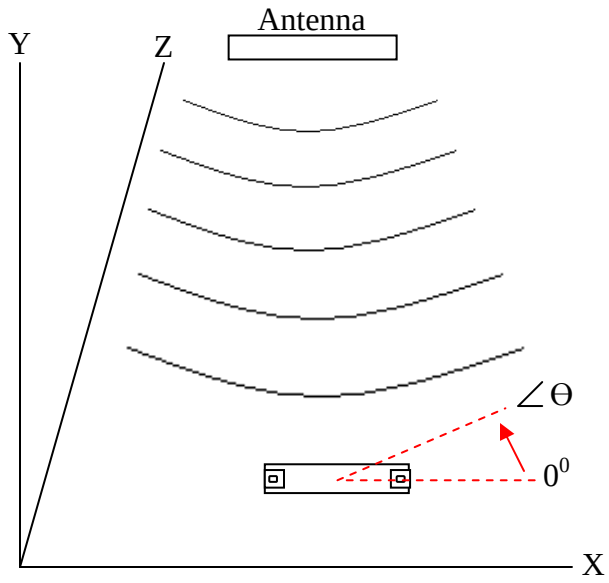


Angular Sensitivity

Magneto tag's Angular Sensitivity

(Relative Read Range vs. Orientation)





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