



STA-Armada Tag

FEATURES

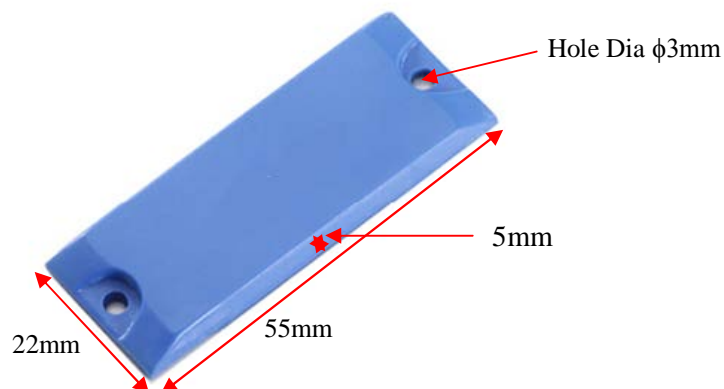
- Operates effectively with a very good read range, especially when attached to metal.
- Rugged construction for high durability
- Can be attached by screws with the help of two holes.
- Can also be provided with Adhesive tape for easy attachment.
- Flexible Read/Write Range (reader dependant).

APPLICATIONS

- Used in asset tracking applications such as Equipment, Parts, Containers, railway and warehousing solutions.
- 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	55 x22 x 5mm
	Material	ABS
	Colour	Blue
	Weight	5.6 g
Electrical:	Operating Frequency	865-868MHz, (902-928MHz also available on request)
	Operating mode	Passive (battery-less transponder)
Ingress Protection:	IP68	
Thermal:	Storage Temp.	-40°C to +85°C
	Operating Temp.	-40°C to +85°C
Part Number:	369V1	
Options:	Available with:	
	Other IC type and Frequency on request	
	Other plastic material and colours	
	Adhesive backing for easy mounting (indoor application)	
	Available for non-metallic application	

Dimension



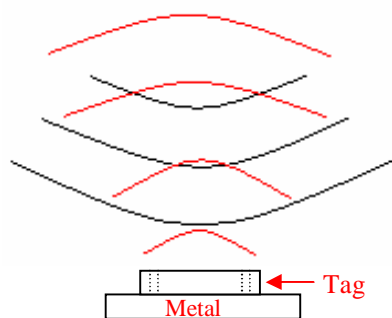
Tag Placement

- STA-Armada is polarized parallel to the length.
- 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:

Correct way



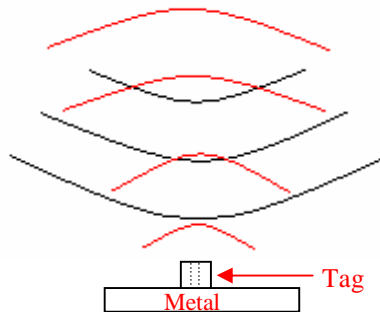
Antenna



Wrong way



Antenna

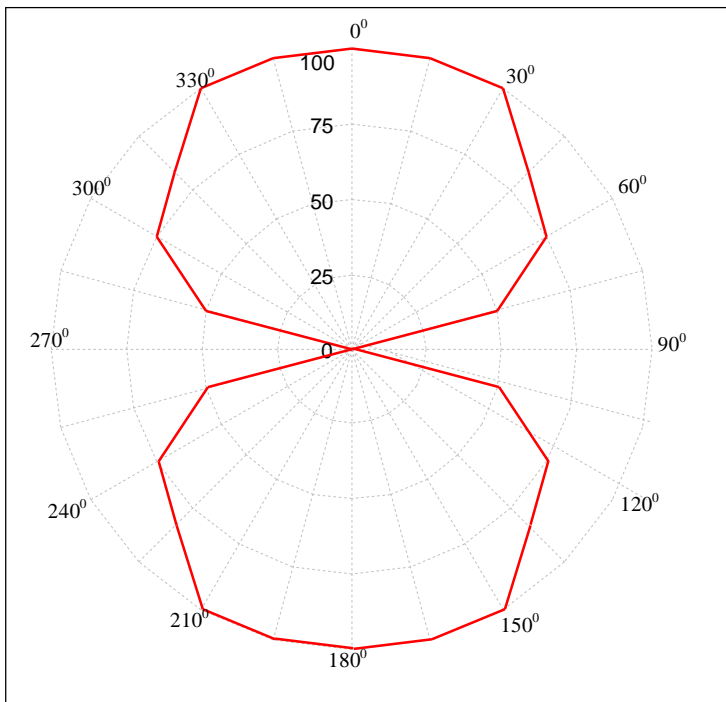


- Tag can be attached either through screw M3/ Rivets / Adhesive tape.
- The distance between the hole to hole is 47mm

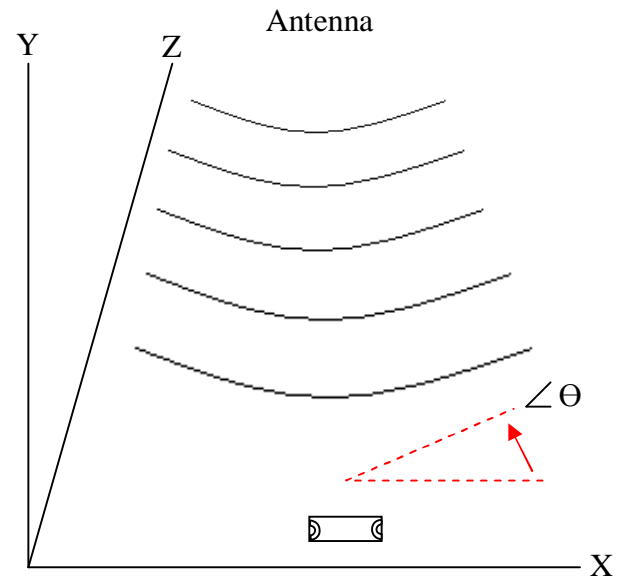
Orientation sensitivity graph

STA-Armada Tag orientation 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



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