

「 Car Wind Shield Tag 2 Alien Higgs 3 」

- Passive Ultra High Frequency
- Operating Frequency: 902~928 MHz (US) 922~928 MHz (TW)
- Supported Protocol : ISO 18000-6C Class 1 Gen 2
- Production No. 2-13001-4005

為了因應智能交通、社區車輛管理及停車場等應用，本公司針對各式車輛的前檔材質，設計出穩定度較高的 Windshield Tag，此 Tag 是依據現行 eTag 規範所生產，不但可以延緩前檔高溫曬造成 TAG 老化問題，亦對於前檔隔熱紙的干擾亦有特殊穩定的設計，以利 TAG 的讀取穩定。

IC 的選擇上，我們採用 Alien Higgs3 符合 UHF RFID 18000-6C 的通訊規範，讀取器同時讀取數個以上標籤 EPC 碼做為身份辨識外，還可以利用晶片的 TID 碼(全球唯一碼)做為驗證，確認標籤是否為此系統所發行的標籤。

連絡資訊：

君毅工業(股)公司

台中市大里區仁化工三路 2 號

TEL: 04-24917389 FAX: 04-24912757

www.jyi-casting.com.tw

email: daniel@jyi-casting.com.tw

Functional Specifications

1	RF air protocol	EPC Class 1 Gen 2; ISO18000-6C
2	Operating frequency	UHF 902~928 MHz (Global)
3	IC type	Alien Higgs 3
5	Memory configuration	256 EPC bits, 480 bits user memory, 64-bit serialized TID
6	Functionality	Read / write (user programmed)
7	Warranty(Limited)	1 Year

Performance Characteristics

1	Read range on metal (2W ERP)	Up to 6-8.1 meter
2	Polarization	Linear

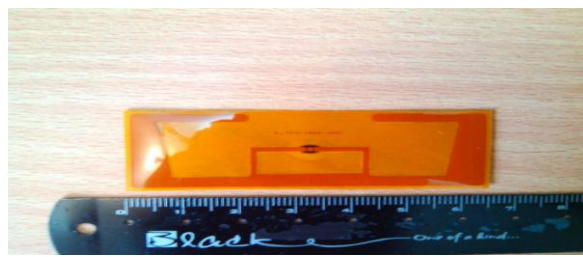
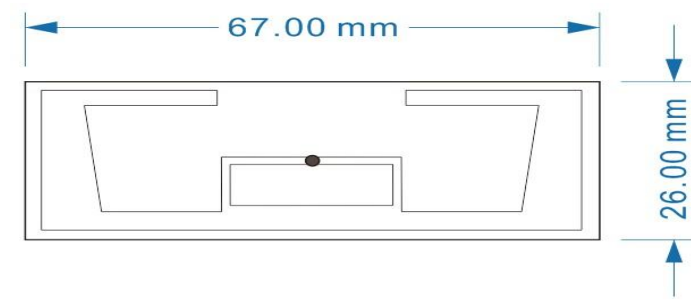
Smart Label Specifications

1	Dimensions / tolerance (mm)	67(+/- 1) x 26(+/- 0.8) x 0.27(+/- 0.1)
2	Dimensions / tolerance (in)	2.64(+/- 0.04) x 1.02(+/- 0.03) x 0.01(+/- 0.004)
3	Face material	White PI + Cu-Etched + White PI
4	Background adhesive	High performance adhesive
5	Delivery format	By piece
6	Quantity per reel	NA
7	Inner reel core diameter	NA
8	Outer reel diameter	NA
9	Weight (reel)	NA

Operational and Environmental Specifications

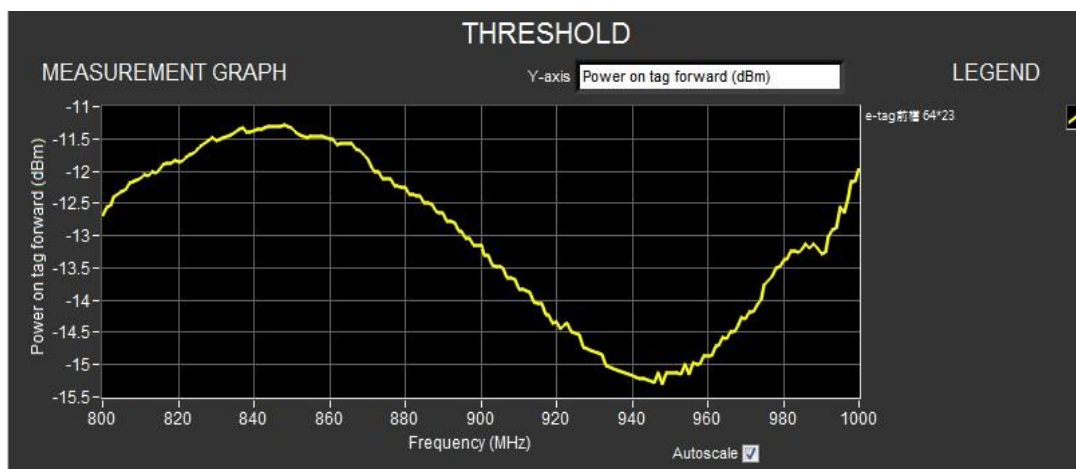
Operational temperature		
1	Cold	-40°C
2	Dry heat	+100°C
3	Thermal shock	-40°C to +100°C); cycled 30 dyas
Application temperature		
1	Cold	-40°C
2	Dry heat	+200°C
Storage conditions		2 years at +68°F (+20°C) and 50% relative humidity
Shock (drop)		3 ft (1 m) to concrete/granite up to 100 cycles
Vibration		MIL-STD-810F
Compression strength		92 psi (634 kPa)

Product Dimensions



Self-Inspected

■ Power on tag forward



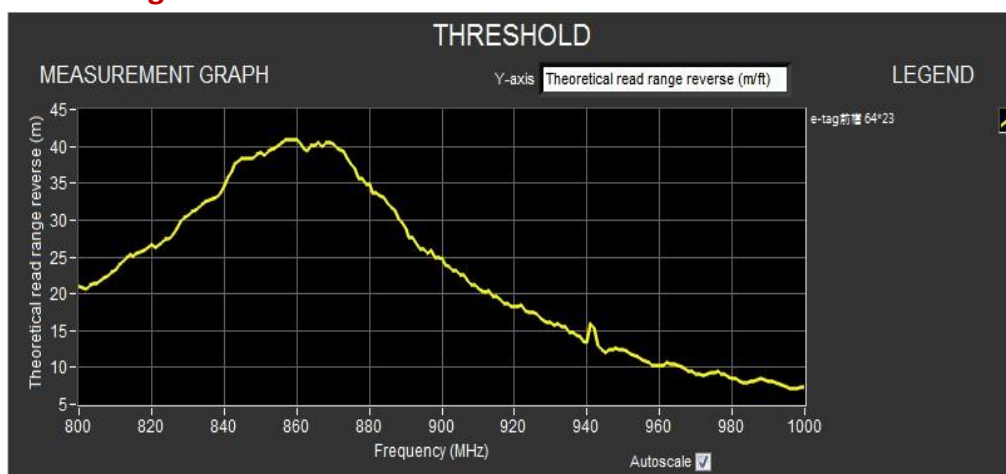
■ Power on tag Reverse



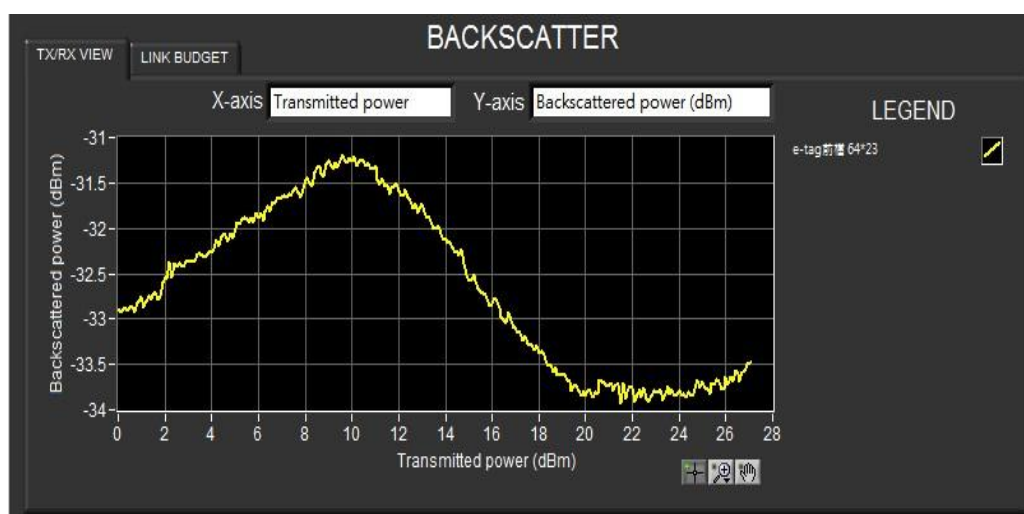
■ Theoretical read range forward



■ Theoretical read range Reverse

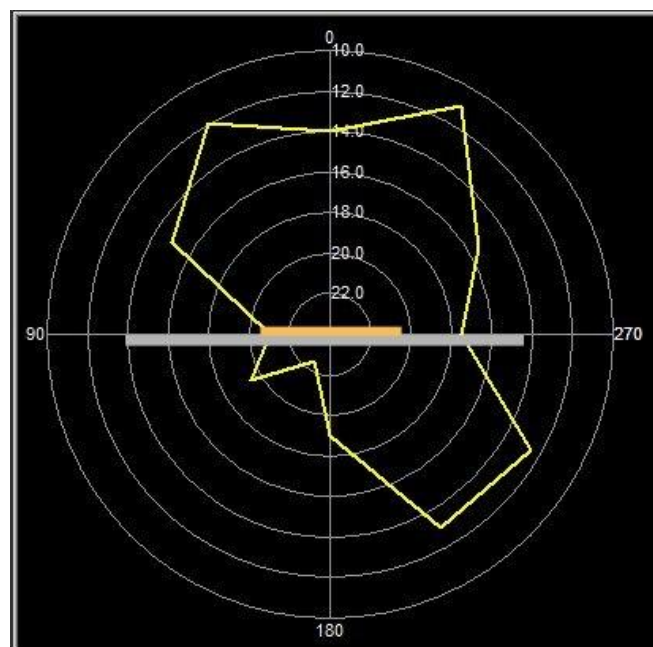
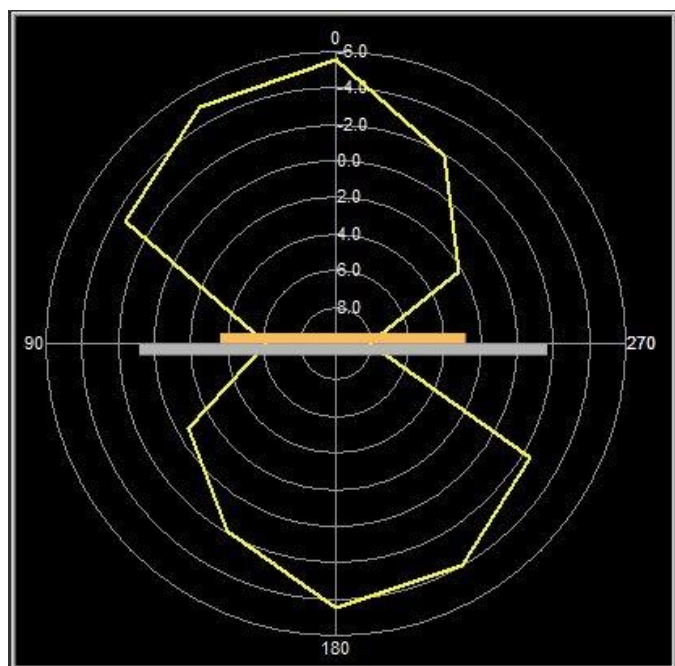


■ Backscattered



Radiation Pattern

■ Horizontal / Vertical- Transmitted Power



■ Horizontal / Vertical-Radiation Pattern

