Tag RFID SPARTAN

Functional Specifications:
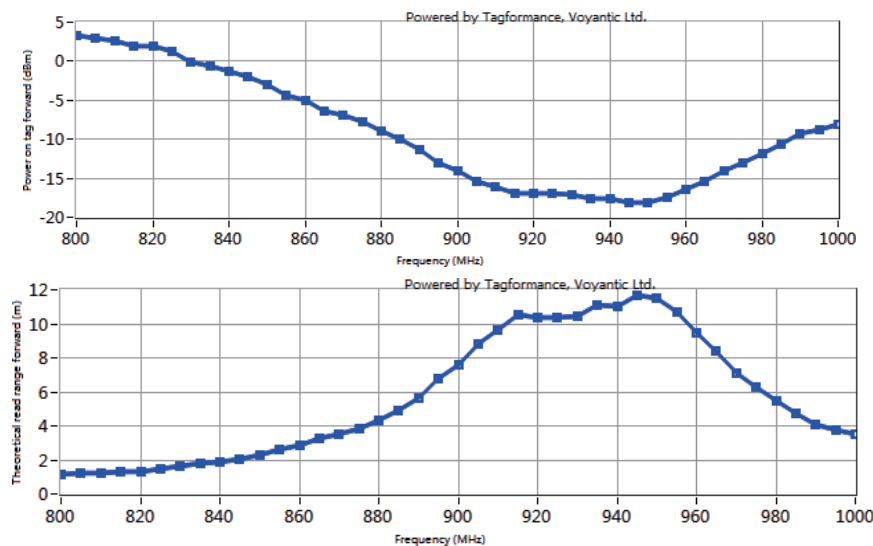
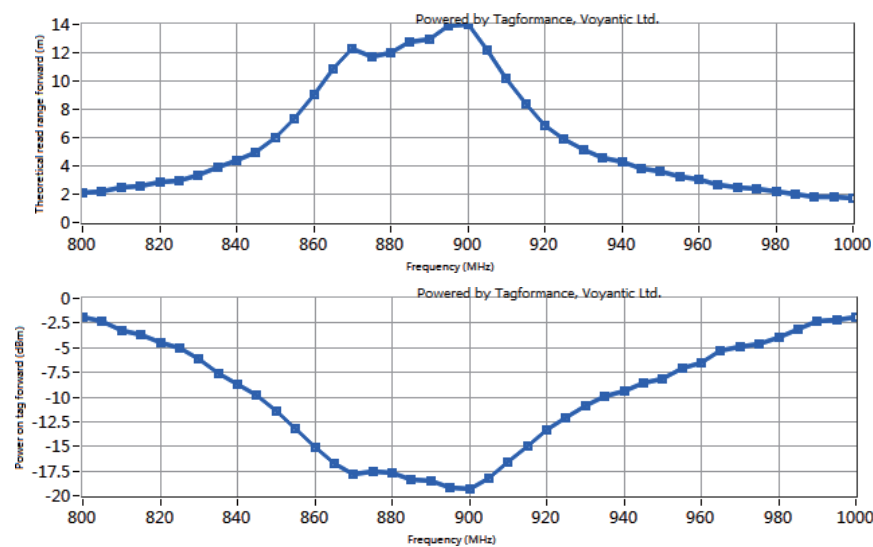|	
RFID Protocol:	EPC Class1 Gen2, ISO18000-6C
Frequency:	(US) 902-928MHz, (EU) 865-868MHz
IC type:	NXP UCODE 8
Memory:	EPC 128 bits, USER 0 bits, TID 96 bits
Write Cycles:	100,000 times
Functionality:	Read/write
Data Retention:	50 Years
Applicable Surface:	Metal Surfaces
Read Range : (Fix Reader)	6.5m, (US) 902-928MHz, On Metal; 6.0m, (EU) 865-868MHz, On Metal;
Read Range : (Handheld Reader)	3.5m, (US) 902-928MHz, On Metal; 3.0m, (EU) 865-868MHz, On Metal.
Warranty:	250°C, 1 Year 260°C, 6 month

Physical Specification:

Size:	41.0x29.0mm, Hole: D2.6mmx4
Thickness:	11.8mm
Material:	PEEK
Colour:	Black
Mounting Methods:	Screw - Socket head cap screw(M2)
Weight:	19.0g

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SPARTAN U1:

Powered by Tagformance, Voyantic Ltd.

Power on tag forward (dBm) vs Frequency (MHz)

Powered by Tagformance, Voyantic Ltd.

Theoretical read range forward (m) vs Frequency (MHz)

SPARTAN E1:

Powered by Tagformance, Voyantic Ltd.

Theoretical read range forward (m) vs Frequency (MHz)

Powered by Tagformance, Voyantic Ltd.

Power on tag forward (dBm) vs Frequency (MHz)

Dimensions:

R1.3

23.0

29.0

34.9

41.0

11.8

7

REACH COMPLIANT RoHS COMPLIANT CE

Environmental Specification:

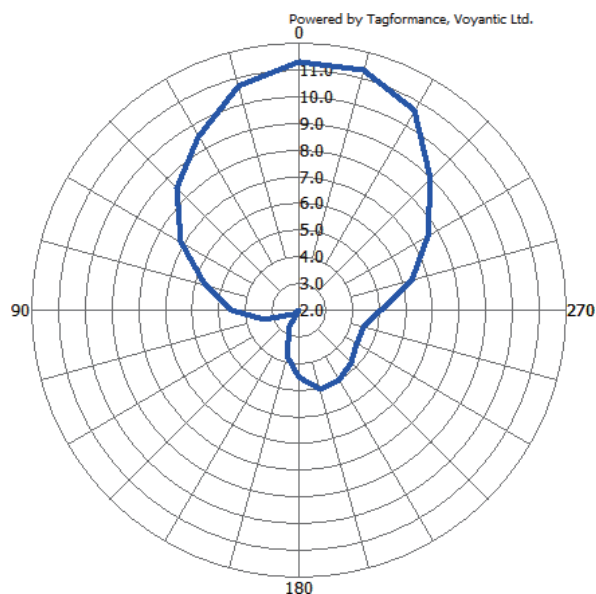|	
IP Rating:	IP68, IP69K
Withstand PH:	PH0 to PH14,and all other liquid that PEEK can handle with.
Storage Temperature:	-60°C to +250°C
Operation Temperature:	-40°C to +150°C
Reliability testing terms and results:	1. Heating in oven at 250°C for 4 hours; 2. Soaking in water 2 meters depth for 8 hours immediately; 3. Cleaning with ultrasonic at 70°C for 90 minutes; 4. 200Kpa pressure test for 2 hours under the high temperature and high humidity; After running 30 circles the above steps ,the tags with no damage.
Compression strength:	150Mpa
Certifications:	Reach Approved, RoHS Approved, CE Approved.

Radiation pattern:
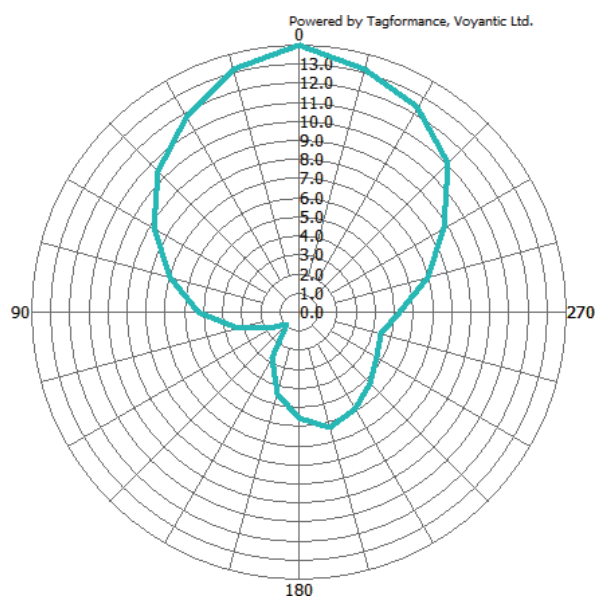
US(902-928MHZ), On Metal

EU (865-868MHZ), On Metal