


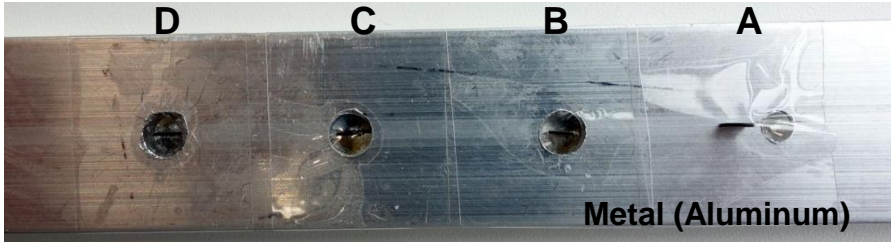
Ultra Small Package Tag Evaluation for Metal Tools

■ Caution

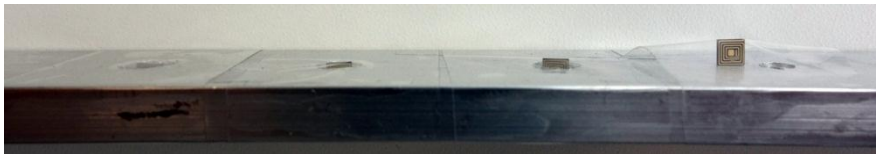
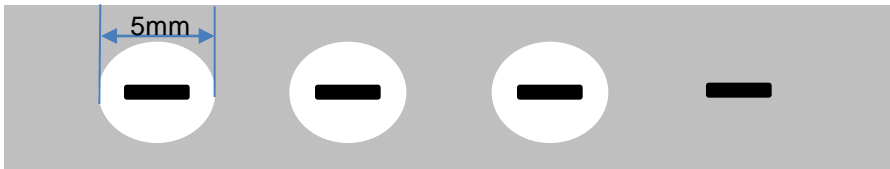
Ultra Small Package Tag can't be read with standard UHF reader in case put it flat on metal .
It needs special reader or adapter.



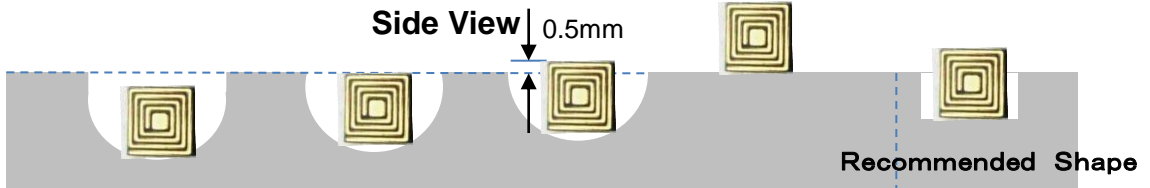
- Test 1. Put the tag vertically on metal and in a hole



Top View



Side View



- Reader ([See Video](#))

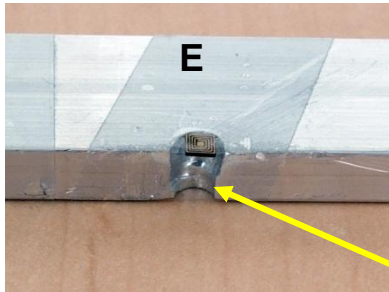
Maker	Type	Power	Frequency
NORDICID	Morphic	24dBm	920MHz or 860MHz
ATID	AT-880	30dBm	920MHz

- Test Results ([See Video](#))

TYPE	Read Range			
	A	B	C	D
NORDICID	2cm	1cm	0.5cm(Note 3)	0cm (Note 3)
ATID	3cm	1.5cm	0cm (Note 3)	0cm (Note 3)
Conditions	Put the tag vertically on metal surface	80% of the tag in the hole	Just 100% of the tag in the hole	Tag is under the surface of metal

- Notes:
- 1) Read range is from the metal surface to the reader antenna.
 - 2) Above read range is just an example, and depends on conditions of environment
 - 3) Readable but only at a part of antenna.

■ Test 2. Tag in a cutout at the side of metal



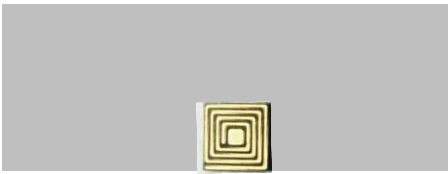
Cutout of metal

Top View



Side View

or



Cutout under the tag

■ Test Results ([See Video](#) from 1' 30")

	Read Range
TYPE	E
NORDICID	2cm
ATID	10cm
Conditions	Tag is attached at the surface of metal in cutout.

Notes: 1) Read range is from the metal surface to the reader antenna.
 2) Above read range is just an example, and depends on conditions of environment.