



AZ-H61

MW CARD AND RFID TECH LTD. founded in 1993 as the first RFID manufacture in China, have been providing professional RFID manufacture service to our global partners for 26years with great reputation for honesty. We produce the whole Smart Cards and RFID product not only ISO size but also customization produce to meet various applications. We own the world classic RFID production lines to help our partners to achieve goal to make high quality product with excellent capacity and best cost .

## Overview

### Operating Frequency

860MHz-960MHz

### Integrated Circuit(IC)

Impinj Monza R6

### Antenna Size

14X70mm

0.551X2.756inch

### Protocol

EPC Class1 Gen2

ISO/IEC 18000-6C

### Application

Wash Condition:40°C/30mins

Dry Condition:55°C/45mins

Pass Wash&Dry 1 cycle

## Electrical Characteristics

### Antenna

### AZ-H61

#### Base Material

PET

### IC

### Impinj Monza

### R6

### R6-A

### R6-P

### S6-C

#### Memory

EPC:	96Bits	96Bits	128(96)Bits	96Bits
User:	0Bits	0Bits	32(64)Bits	32Bits
TID:	48Bits	48Bits	48Bits	48Bits
Unique TID:	48Bits	48Bits	48Bits	48Bits
Access Password:	0Bits	32Bits	32Bits	32Bits
Kill Password:	0Bits	32Bits	32Bits	32Bits

#### IC Life

100,000 Programming cycles

50 years data retention

#### Operating Mode

Passive

#### Frequency

860 ~ 960MHz

### Standards

ISO 9001:2008

ISO 14001:2004

OHSAS 18001:2007

Web site: [www.mwcardrfid.com](http://www.mwcardrfid.com)

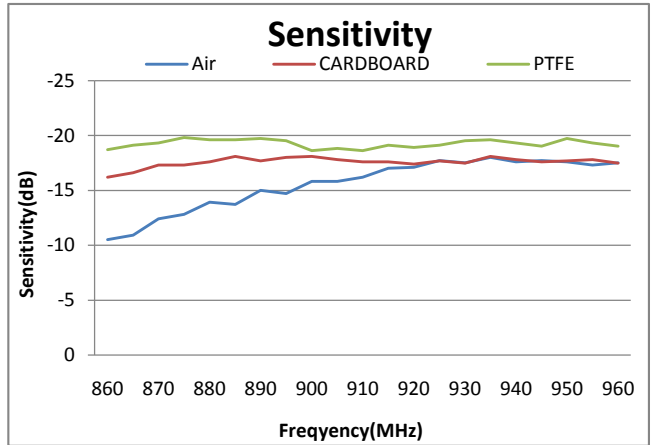
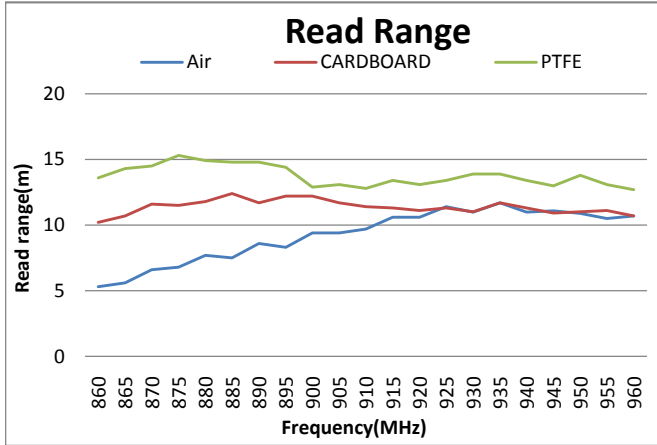
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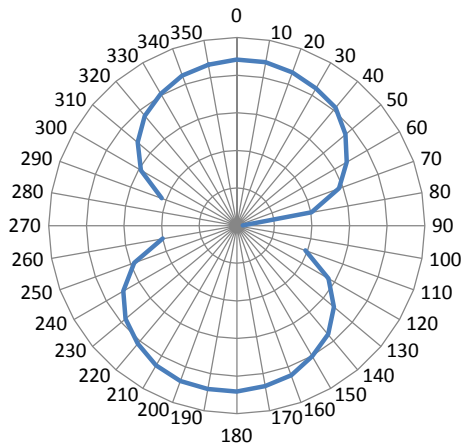
## Frequency Sweep



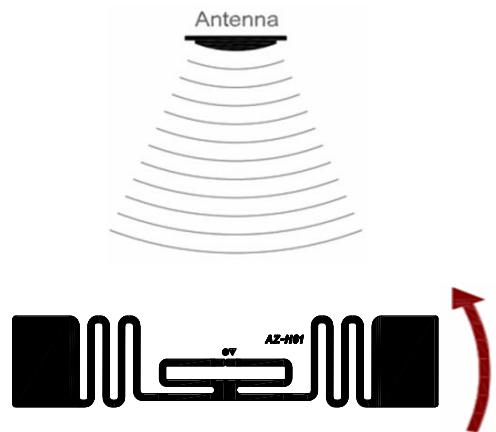
Test power : 2W ERP  
 For countries that allow 4.00 W EIRP, please add 11% to the results

## Radiation Patterns

Angular Sensitivity ( dBm ) ; Power step 0.1dB ; Angle step 10°



Angular Sensitivity  
 (Relative Read Range vs.Orientation)



Angular Sensitivity  
 Inlay is rotated in the x,y axis, fixed in z axis  
 (Tag shown at 0° with respect to face of antenna)

## TIPP

The Back Content	Frequency Band	S05B	S15B	S15D	S20B	M05B	M10B	M15B	M20D
T-shirt	FCC	√	√	√	√	√	√	√	√
	ETSI	√	√	√	√	√	√	√	√
Jeans	FCC	√	√	√	√	√	√	√	√
	ETSI	√	√	√	√	√	√	√	×

The test is based on GSI TIPP test standards. √:Pass ×:Fail

MW CARD AND RFID Testing Center:

RFID UHF Band: 800-1000MHz; Shielding effectiveness: > 100 dB; Background noise: < -75 dB

Compatible to the following international standard:

EPC Global Class1 Gen2; ISO 18000-6C; GS1 TIPP (Tagged Item Performance Protocol)