


DOC. NO	C-1304-01	<b>ANTENNA SPECIFICATIONS</b>	REV. NO	0
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Product Name : 434MHz Band 1/4λ Monole Antenna

Model Name: DT-434H-TX

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Release				
Sign.	Written	Checked	Checked	Approved
	J.R.Park	/	/	
Date	20130416			20130416

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### 1. Descriptions

This monopole Antenna has the 1/4wavelength helical elements designed for 434MHz band wireless communication unit.

### 2. Application

Hand Held     Fixed     Mobile     Out Door     In Door     Others

### 3. Antenna Shape

See attached

### 4. Electrical Performance

#### 4.1 Frequency Range

434 MHz Band

#### 4.2 Impedance

Nominal Value    50 Ohm

#### 4.3 V.S.W.R

Less than 1 : 2.0

#### 4.4 Antenna Radiation Pattern

Omni-Directional

#### 4.5 Antenna Polarization

Vertical

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**4.6 Antenna Gain ( dBi )**

Unity (0dBi)

**5. Mechanical Specifications**

**5.1 Element**

Material	φ0.7 SWC
Finish	Ni-plating
Electrical Length	1/4 Wavelength

**5.2 Connector**

Type	Direct Soldering
Material	-
Finish	-

**5.3 Antenna total length**

See Attached

**5.4 Antenna Weight**

3 gram

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## 6. Environmental Resistance Performance

### 6.1 Operating Temperature

- 30°C ~ 70°C

### 6.2 Storage Temperature

- 40°C ~ 80°C

### 6.3 Humidity

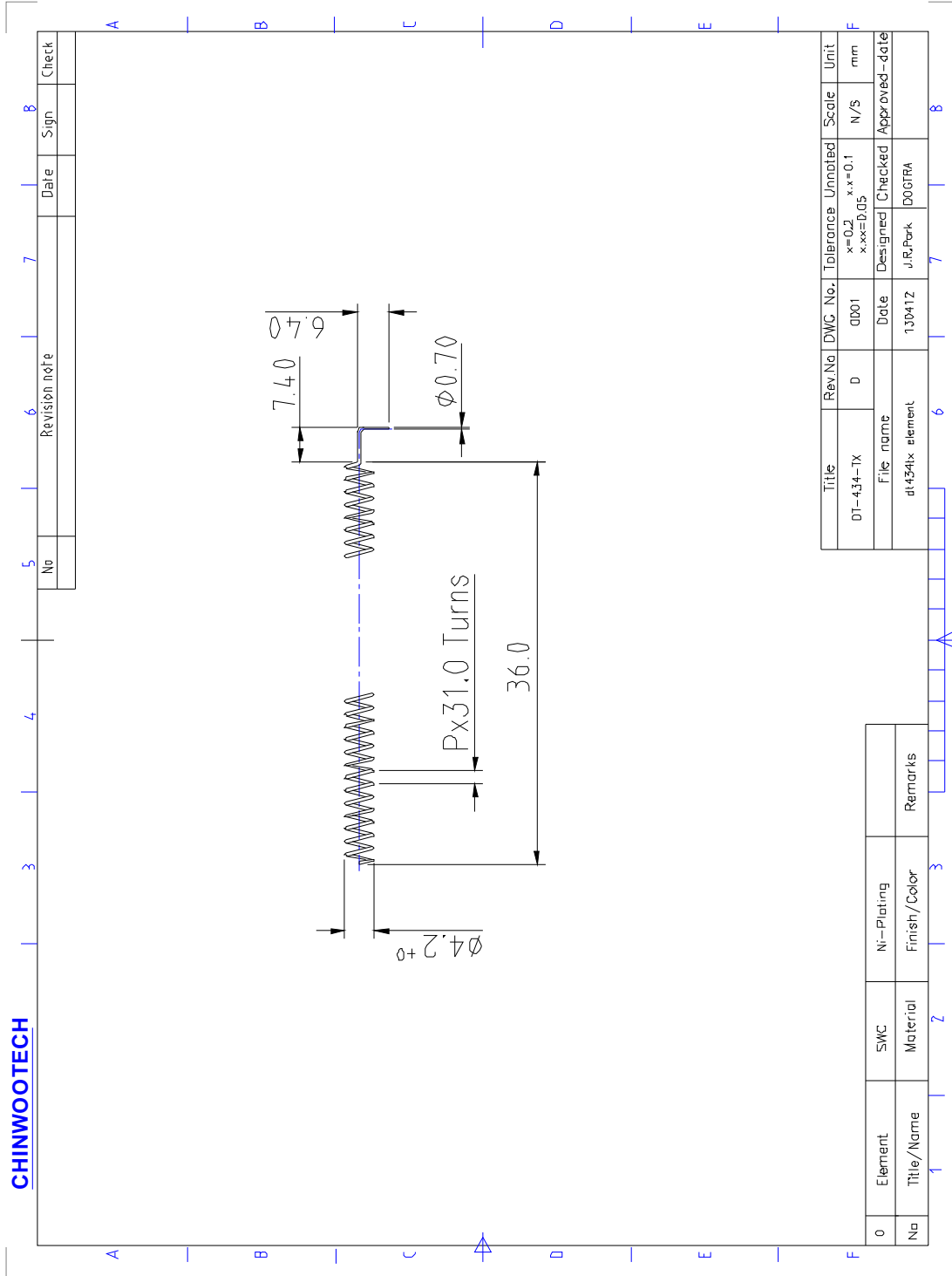
95% RH / 50°C

## 7. Attached

1. Antenna Specifications Drawing
2. Antenna Performance Data

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**[Attached] 1. Antenna Specifications Drawing**



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## 2. Antenna Performance Data

( Test Equipment : HP-8753ES )

- Impedance / V.S.W.R

