

# KC.IG.00090 (ThinkTPMS-S3)

## Antenna Specification

### 1. Application:

This application shall apply for antenna unit which shall be used such as automotive, conventional communications, smart home, etc..

### 1. Electrical Specification:

*Those specifications were specially defined for customer's model, and all characteristics were measured under the model's handset testing jig .*

#### 2-1. Frequency Band/Gain:

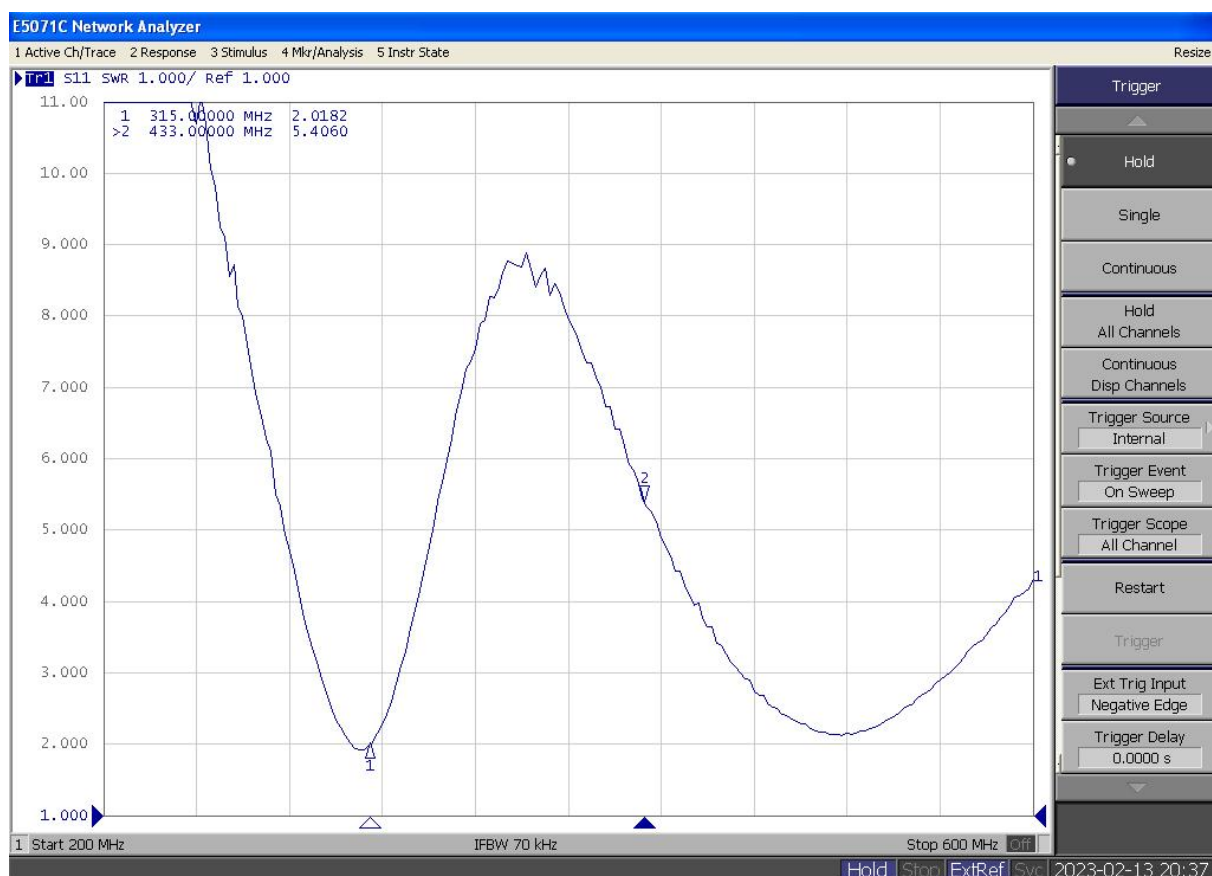
|                |         |
|----------------|---------|
| Frequency Band | MHz     |
| 315/433MHz     | 315/433 |
| Gain           | dBi     |
| 0              | 0dBi    |

#### 2-2. Impedance

50 ohm nominal

|                                           |                 |                                                                                                                                                                                                      |                           |
|-------------------------------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| UNLESS OTHER SPECIFIED TOLERANCES ON :    |                 |                                                                                                                   | TOXU TECHNOLOGY CO., LTD. |
| X=±                                       | X.X=±           |                                                                                                                                                                                                      |                           |
| ANGLES=±                                  |                 | HOLEDIA=±                                                                                                                                                                                            |                           |
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| DESIGNED BY: De wen                       | APPROVED BY: YS |                                                                                                                                                                                                      |                           |
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|                                           |                 |                                                                                                                                                                                                      | P0                        |

## 2-3. VSWR



## 2.4. test result

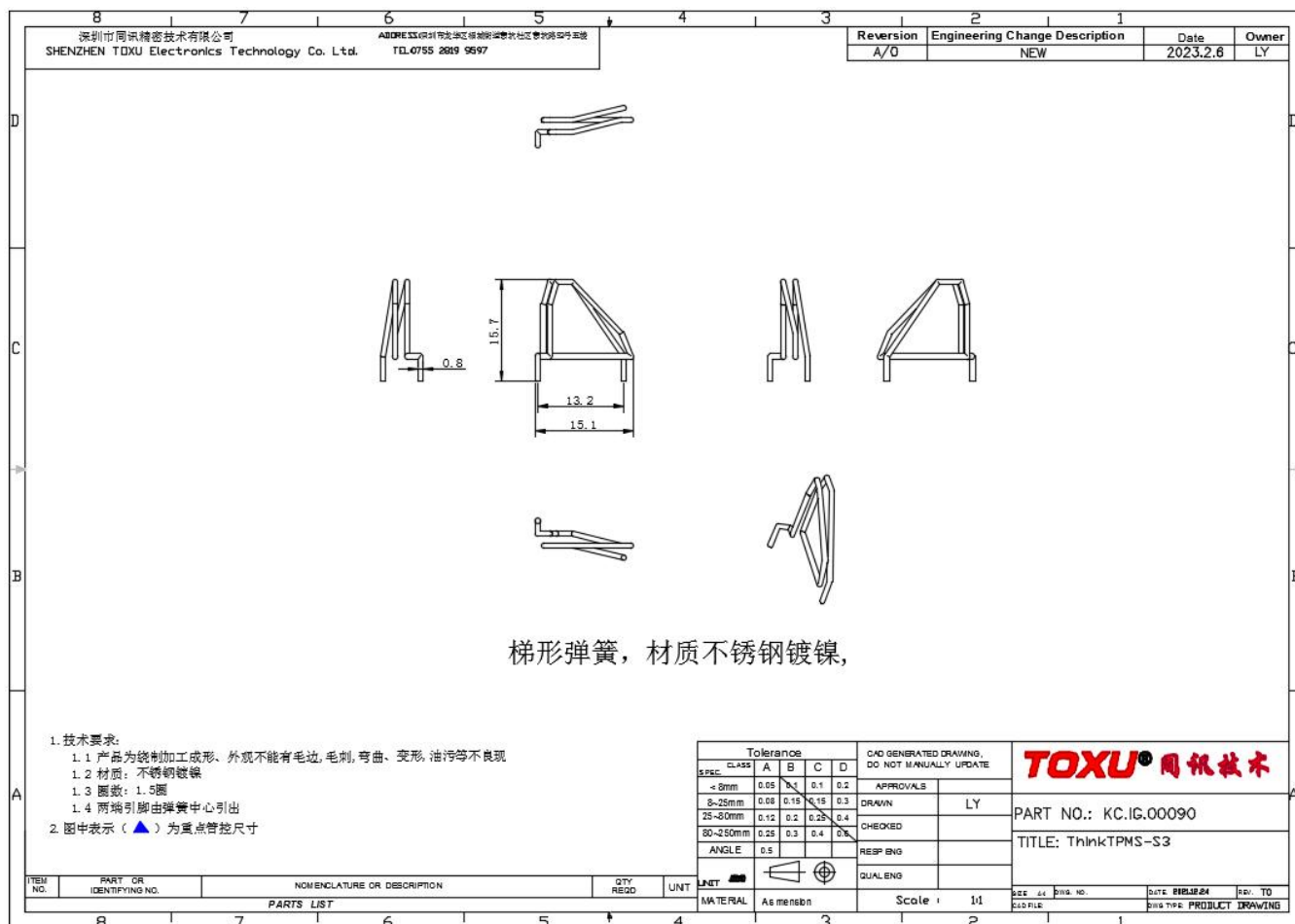
| 测试车型            | 国产臻捷芯片方案(dB) | S3-1#(dB) | S3-2#(dB) | S3-3#(dB) |
|-----------------|--------------|-----------|-----------|-----------|
| 福特500 (315MHZ)  | 57           | 54        | 55.5      | 55        |
| 英菲尼迪 (315MHZ)   | 56           | 54        | 54.5      | 55        |
| 众泰T500 (433MHZ) | 56           | 56        | 54        | 54        |
| 宝马5系 (433MHZ)   | 59           | 55        | 56        | 56.5      |

|                                           |                 |                                                                                                                                                                                                      |                           |
|-------------------------------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
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| DRAWN BY: LI                              | CHECKED BY: YS  |                                                                                                                                                                                                      |                           |
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|                                           |                 |                                                                                                                                                                                                      | P0                        |

### 3. Mechanical Specification:

#### 3-1. Mechanical Configuration (Unit: mm)

The appearance of the antenna is according to drawing



|                                           |                 |                                                                                                                                                                                                      |                           |
|-------------------------------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
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3-2. Connector appearance: 焊接

3-3.Product Image:



|                                                                                                        |                 |                                                                                                                                                                                                      |                                  |
|--------------------------------------------------------------------------------------------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| UNLESS OTHER SPECIFIED TOLERANCES ON :<br>$X=\pm$ $X.X=\pm$ $X.XX=\pm$<br>ANGLES $=\pm$ HOLEDIA $=\pm$ |                 | <b>TOXU®</b><br>同讯技术                                                                                                                                                                                 | <b>TOXU TECHNOLOGY CO., LTD.</b> |
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| DESIGNED BY: De wen                                                                                    | APPROVED BY: YS |                                                                                                                                                                                                      |                                  |
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## 4 .Packaging specification:

Product number:   xxxxx

Product model:   xxxxx

### 一、 Label requirements:

|                 |         |              |       |
|-----------------|---------|--------------|-------|
| Customer        | xxx     |              |       |
| supplier        | xxxxx   |              |       |
| Material coding | xx      |              |       |
| Product model   | xx      |              |       |
| Number          | XXX PCS | Factory date | X X X |
| Remarks         |         |              |       |

### 二、 Boxing:

Job description:

#### 1. Inner packaging:

XXpcs A bag

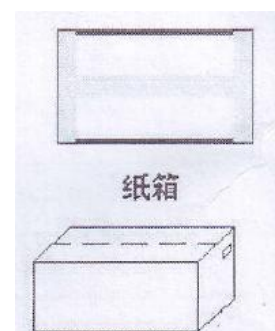
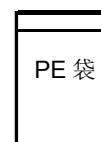
#### 2. External packaging:

Xx PCS ;

#### 3. Matters needing attention:

a. Whether to add partition and pearl cotton;

b. Label attachments, such as ROHS, etc.;



|                                           |                 |                                                                                                                                                                                                      |                           |
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|                                           |                 |                                                                                                                                                                                                      | P0                        |