



# 915MHz ROB ANTENNA

## TECHNICAL DATA SHEET

TX915-JKD-20

VERSION: 3.2 DATA: 2020-11-06

TEL: 028-61542639 WEBSITE: WWW.ZIISOR.COM

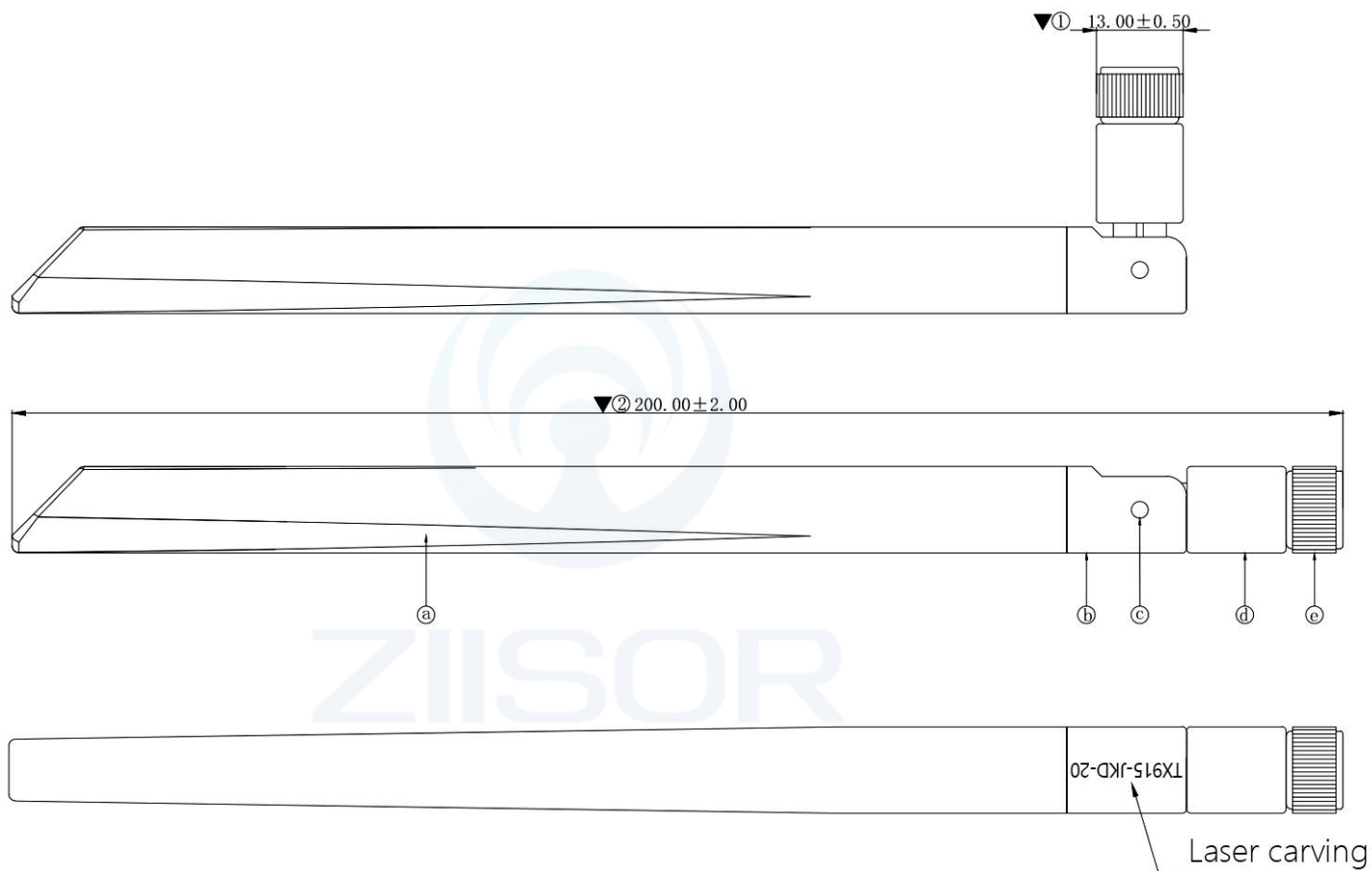
CHENGDU ZIISOR TECHNOLOGY CO., LTD. EXPERT OF IOT ANTENNA



TX915-JKD-20

| NO. | MECHANICAL SPECIFICATIONS    | VALUE           | COMMENT            |
|-----|------------------------------|-----------------|--------------------|
| 01  | Part Number                  | TX915-JKD-20    | 915MHz Rob Antenna |
| 02  | Material                     | TPEE            |                    |
| 03  | Material of Radiator         | CU              |                    |
| 04  | Connector Type               |                 |                    |
| 05  | Antenna Colour               | Black           |                    |
| 06  | Overall Length               | 200mm           | OD13mm             |
| 07  | Cable Type                   | N/A             |                    |
| 08  | Cable Length                 | N/A             |                    |
| 09  | Weight                       | 22g             | ±2g                |
| NO. | ELECTRICAL SPECIFICATIONS    | VALUE           | COMMENT            |
| 01  | Frequency                    | 915MHz          | 900~945MHz         |
| 02  | Antenna Gain                 | 4.3dBi          |                    |
| 03  | Radiation type               | Omnidirectional |                    |
| 04  | Polarization                 | Linear          | Vertical           |
| 05  | Nominal Impedance            | 50Ω             |                    |
| 06  | Power Standing               | 20W             |                    |
| 07  | S.W.R.                       | ≤2.5            |                    |
| NO. | ENVIRONMENTAL SPECIFICATIONS | VALUE           | COMMENT            |
| 01  | Operation Temperature        | -30°C ~ +75°C   |                    |
| 02  | Storage Temperature          | -30°C ~ +75°C   |                    |
| 03  | RoHS Compliant               | YES             |                    |

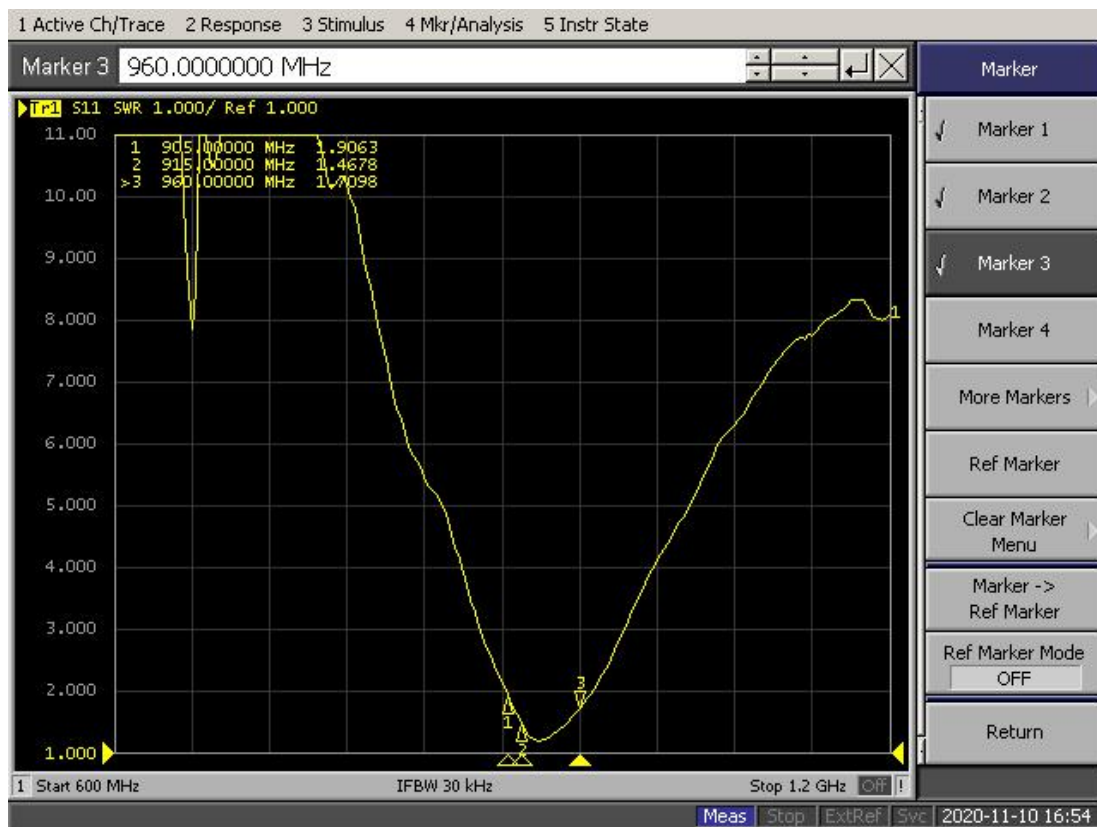
## MECHANICALDRAWING



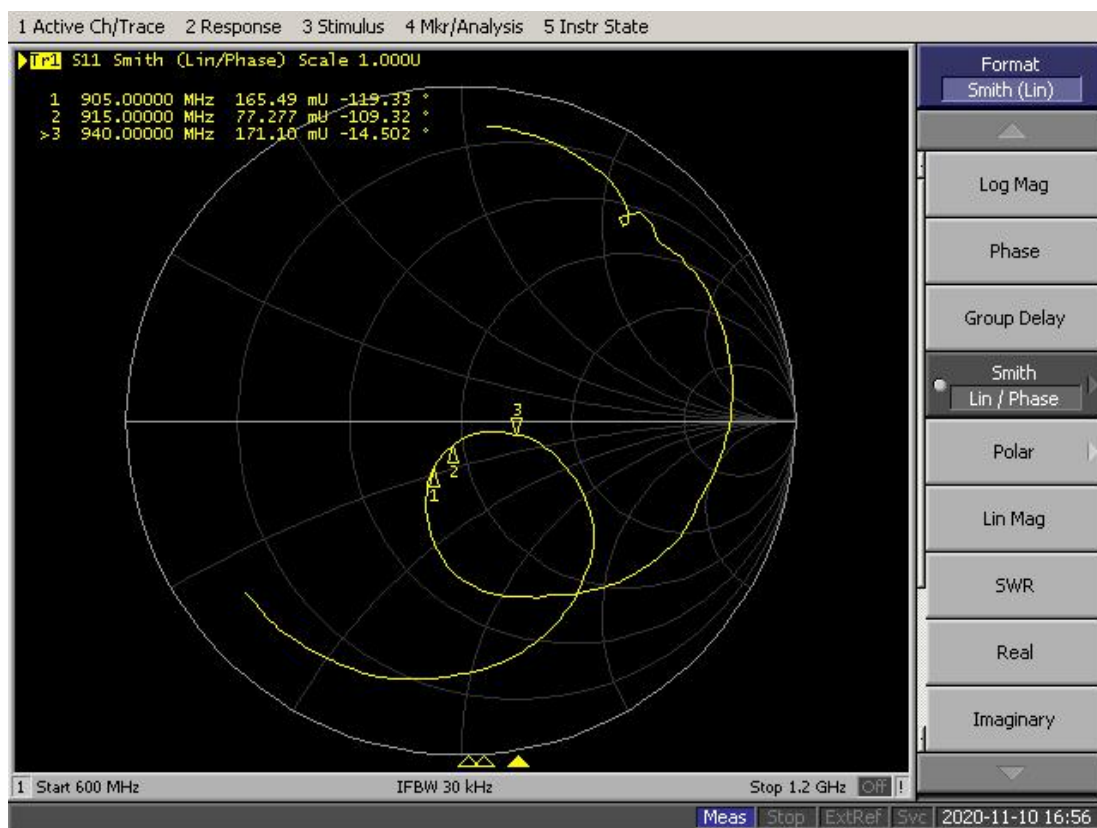
UNIT: mm

| ITEM | PART NAME    | QUANTITY | MATERIAL / FINISH |
|------|--------------|----------|-------------------|
| a    | Shell        | 1        | TPEE Black        |
| b    | Antenna Base | 1        | PC+PBT Black      |
| c    | Rivet        | 2        | POM Black         |
| d    | Antenna Base | 1        | PC+PBT Black      |
| e    | Connector    | 1        | Nickel plated     |

## S.W.R.



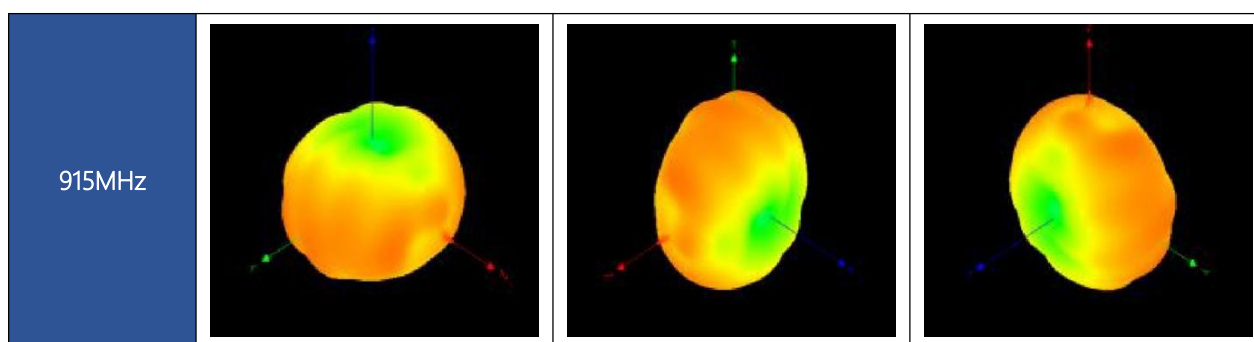
## SMITH



## EFFICIENCY/GAIN TEST

| No. | Frequency<br>Hz | Efficiency<br>% | Gain<br>dBi |
|-----|-----------------|-----------------|-------------|
| 01  | 900M            | 76.83           | 3.97        |
| 02  | 905M            | 72.9            | 3.86        |
| 03  | 910M            | 67.3            | 3.61        |
| 04  | 915M            | 60.91           | 3.35        |
| 05  | 920M            | 52.28           | 3.11        |

## RADIATION PATTERN



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