



915MHz ROB ANTENNA

TECHNICAL DATA SHEET

TX915-JKD-20





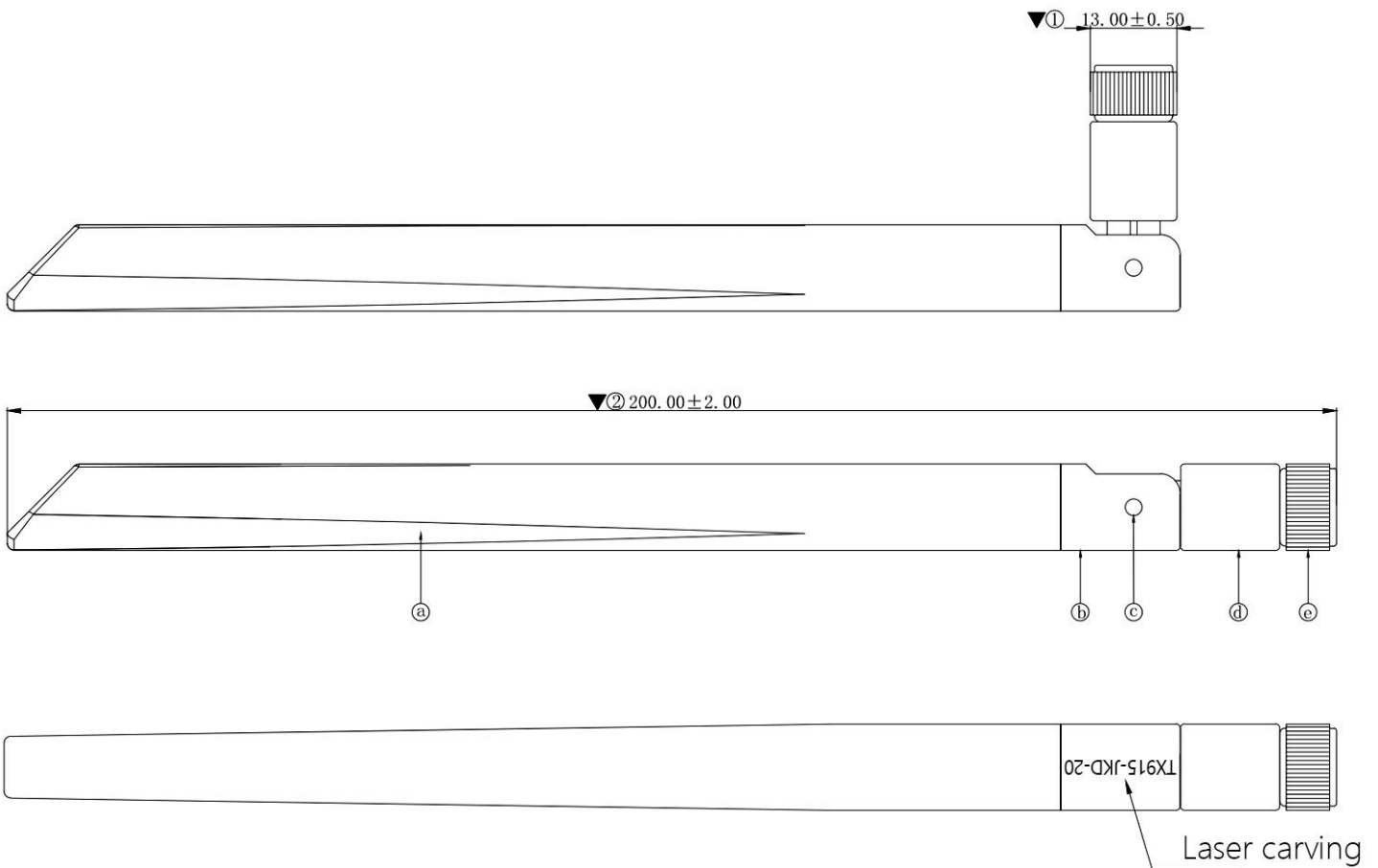
TX915-JKD-20

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| 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 | SMA-J | |
| 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 | |

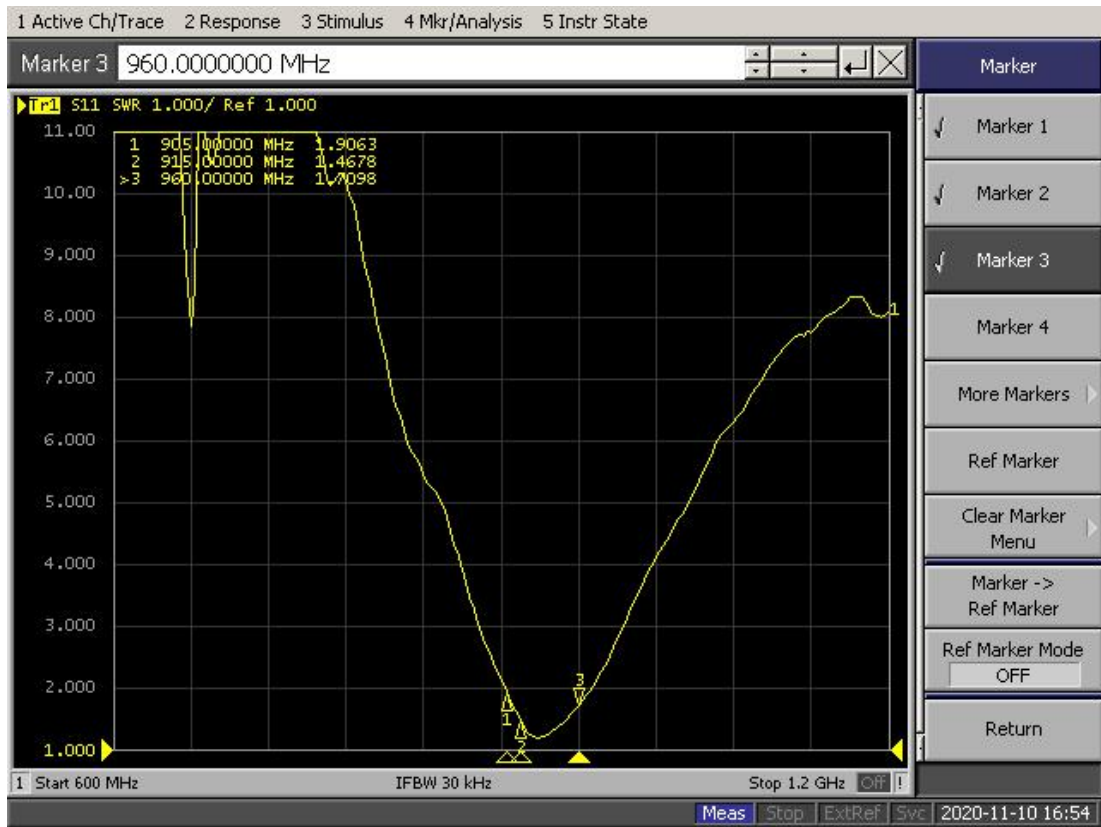
MECHANICALDRAWING



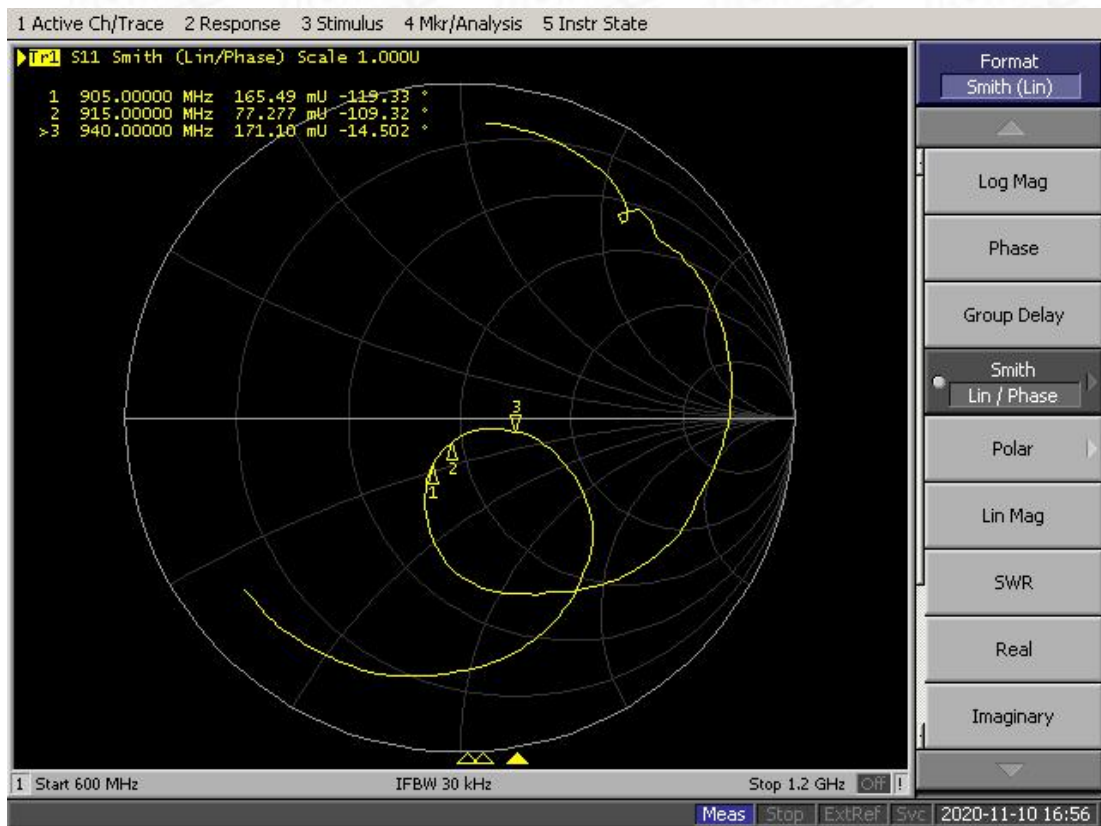
UNIT: mm

| 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 | SMA-J Nickel plated |

S.W.R.



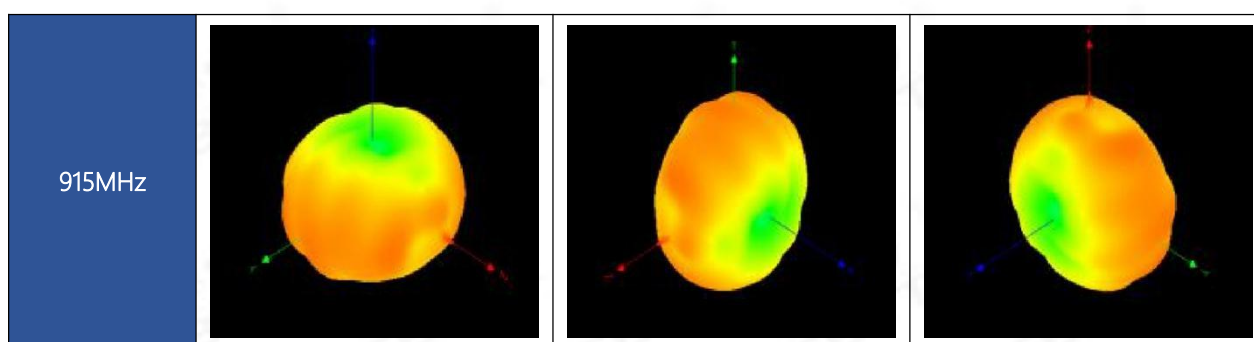
SMITH



EFFICIENCY/GAIN TEST

| No. | Frequency Hz | Efficiency % | Gain 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



CONTACT US

Technical support: support@cdebyte.com

Documents and RF Setting download link: www.ebyte.com

Thank you for using Ebyte products! Please contact us with any questions or suggestions: info@cdebyte.com

Phone: +86 028-61399028

Web: www.ebyte.com

Address: B5 Mould Park, 199# Xiqu Ave, High-tech District, Sichuan, China