



## Airtech I & C Co.,Ltd.

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### [ANTENNA SPECIFICATION]

Description: FM HANDHELD TRANSCEIVER

FCC ID: ONKATP-400B

1. Part No. : HW – 455W - MS

2. Application : This specification is prescribed to a WHIP ANTENNA to apply LMR  
SET(ATP-400 MODEL).

3. ANTENNA USE CONDITION

☒Mobile ☐Base Station ☒Portable ☒Outdoor ☒Indoor ☐Others  
( )

4. ANTENNA SHAPE

As Following Drawing.

5. ELECTRICAL SPECIFICATION & PERFORMANCE

| No.  | ELECTRICAL DATA     | SPECIFICATIONS      | REMARK |
|------|---------------------|---------------------|--------|
| 5. 1 | FREQUENCY RANGE     | 440 - 470 MHz       |        |
| 5. 2 | RESONANCE FREQUENCY | 455 MHz (SET)       |        |
| 5. 3 | IMPEDANCE           | 50 $\Omega$ NOMINAL |        |
| 5. 4 | GAIN                | UNITY               |        |
| 5. 5 | ELECTRICAL LENGTH   | $1/4\lambda$        |        |
| 5. 6 | RADIATION PATTERN   | OMNI - DIRECTIONAL  |        |
| 5. 7 | POLARIZATION        | VERTICAL            |        |

6. MECHANICAL SPECIFICATION

| No.  | MECHANICAL           | SPECIFICATIONS         |             | REMARK      |
|------|----------------------|------------------------|-------------|-------------|
| 6. 1 | ELEMENT              | $\Phi 3.2$ SPEEDO WIRE |             |             |
| 6. 2 | SLEEVE               | POLYURETHANE           |             | BLACK-COLOR |
| 6. 3 | CONNECTOR            | STUD (1/4*36)          |             | Ni-PLATING  |
| 6. 4 | ANTENNA TOTAL LENGTH | $151 \pm 3.0$ mm       |             |             |
| 6. 5 | COLOR PAINT          | 1                      | GREEN-COLOR | SILK INK    |
|      |                      | 2                      | GREEN-COLOR |             |