

# **SPECIFICATION**

|                                |  |
|--------------------------------|--|
| <b>Ant. type(PIFA):</b>        | <b>YES</b>   |
| <b>Ant. type(Monopole):</b>    | <b>NA</b>  |
| <b>Ant. type(Loop):</b>        | <b>NA</b>  |
| <b>Ant. type(Loop-Couple):</b> |  |
| <b>DATE:</b>                   | <b>20220913</b>  |
| <b>DATASHEET REVISION:</b>     | <b>V1.1</b>  |
| <b>MANUFACTURE:</b>            | <b>KunShan Innowave Communication Technology Co., Ltd.</b> |

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## **Summary table**

| <b>Check Items</b>  | <b>Information</b>  | <b>Page</b> |
|---|---|-------------|
| Manufacturer  | KunShan Innowave<br>Communication Technology Co.,<br>Ltd. | 1           |
| Antenna pattern / Test data<br>(Tx Antenna, Rx antenna, GPS, WiFi6E, etc) | Included frequency, antenna<br>gain, type                 | 3-4         |
| Test Setup  | Test Environment, list of<br>calibrated test equipment    | 5-6         |

## Antenna Performance

### Ant.1(TX antenna)

Description Antenna vendor P/N : F 11391301J10001 ODMP/N: N306-CHT130-010

|                 |                             |
|-----------------|-----------------------------|
| Frequency Range | 1555-1595MHz; 2400-2500MHz; |
| Impedance       | 50Ω                         |
| Peak Gain       | -0.8dBi                     |
| Admitted Power  | N/A                         |
| Cable           | N/A                         |
| Antenna Type    | PIFA                        |
| Connector       | N/A                         |
| Process         | N/A                         |

### Antenna Efficiency(test in anechoic chamber)

| Freq(MHz) | Effi(dB) |
|-----------|----------|
| 1560      | -4.02    |
| 1565      | -3.98    |
| 1570      | -3.83    |
| 1575      | -3.81    |
| 1580      | -3.9     |
|           |          |
| 2400      | -4.25    |
| 2410      | -3.62    |
| 2420      | -3.58    |
| 2430      | -3.66    |
| 2440      | -4       |
| 2450      | -4.17    |
| 2460      | -4.35    |
| 2470      | -4.4     |
| 2480      | -4.35    |
| 2490      | -4.4     |
| 2500      | -4.62    |

Antenna 3D Radiation Pattern

