

Antenna specification

Project name:**BTD020D**

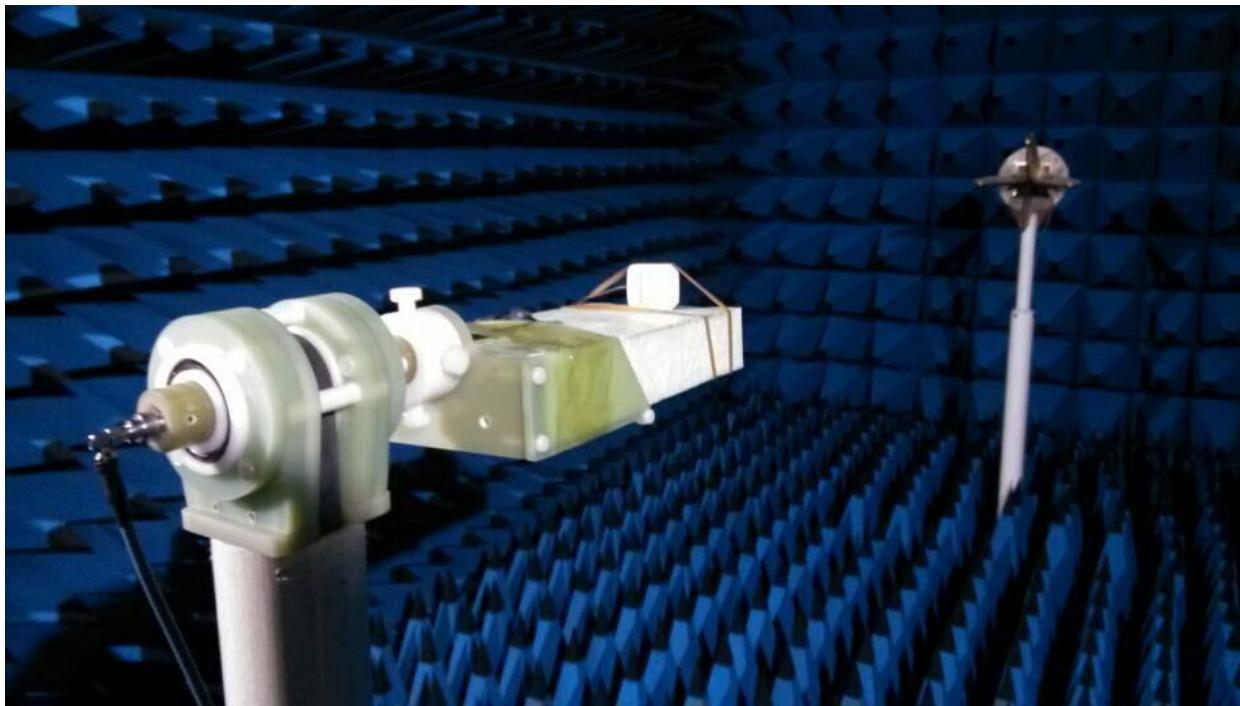
Antenna band: **2.4G**

time:**2024/11/21**

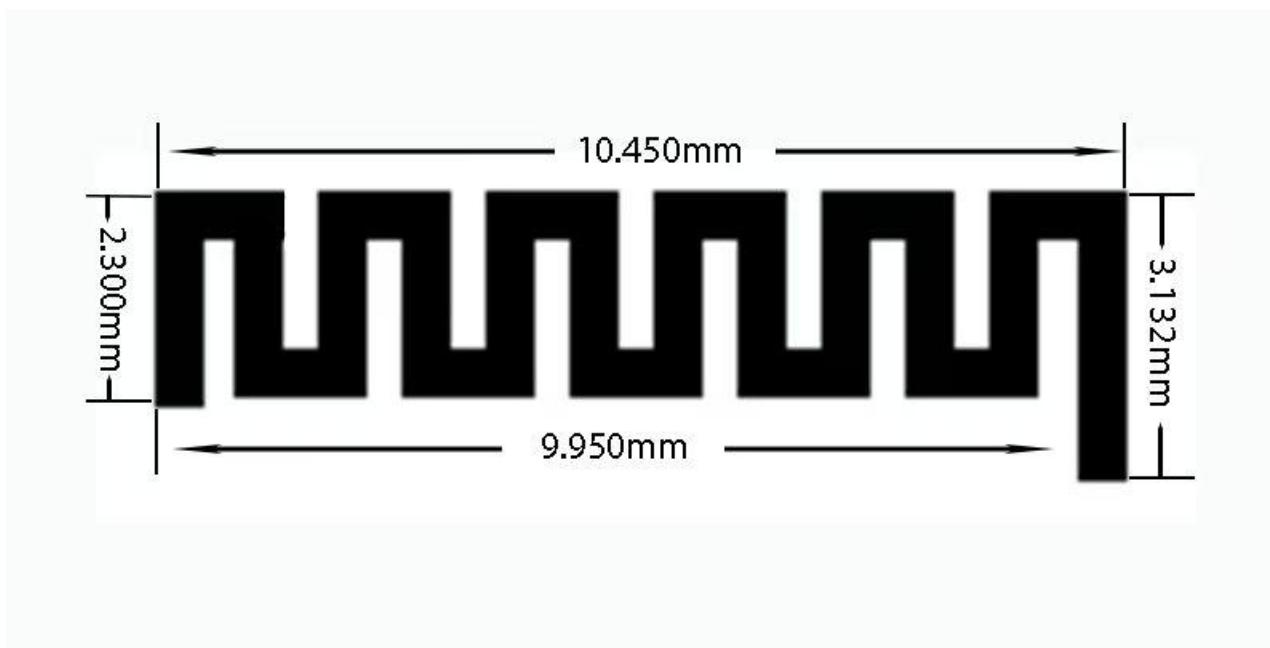
Manufacturer: Shenzhen Tianyuan Huitong Technology Co., Ltd

Address: 301, 13 Guishan Road, Caowei community, Hangcheng street, Bao'an District, Shenzhen

Antenna test environment

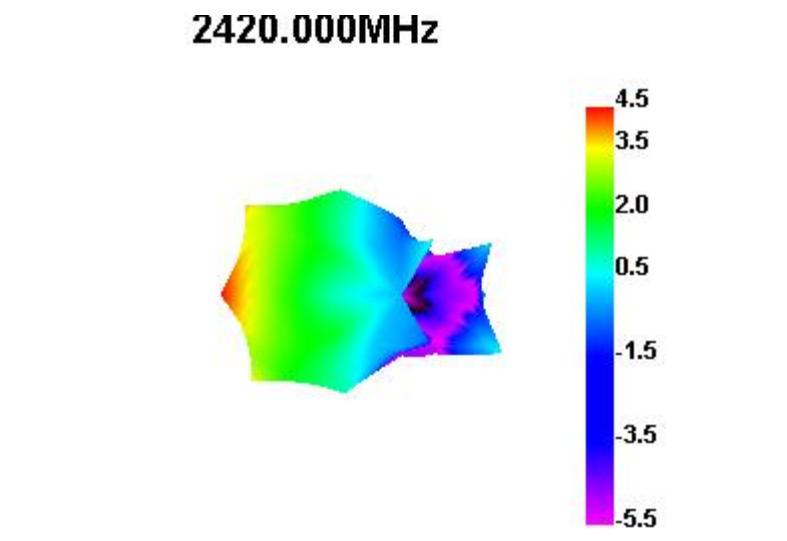
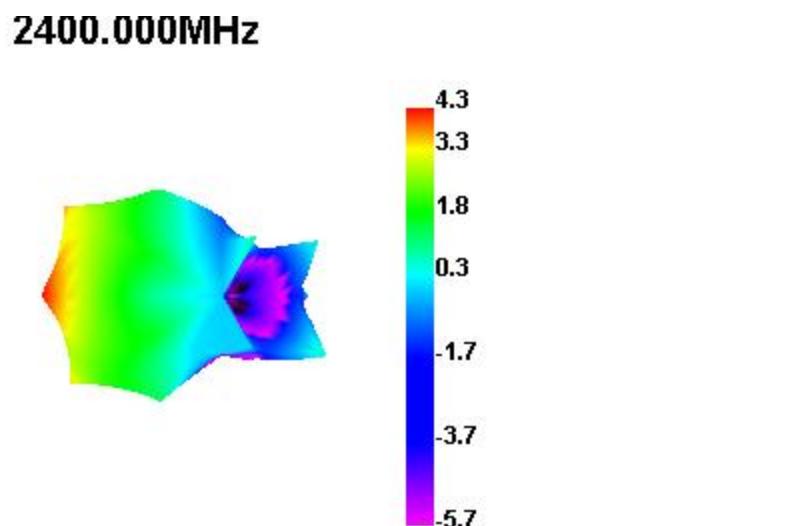
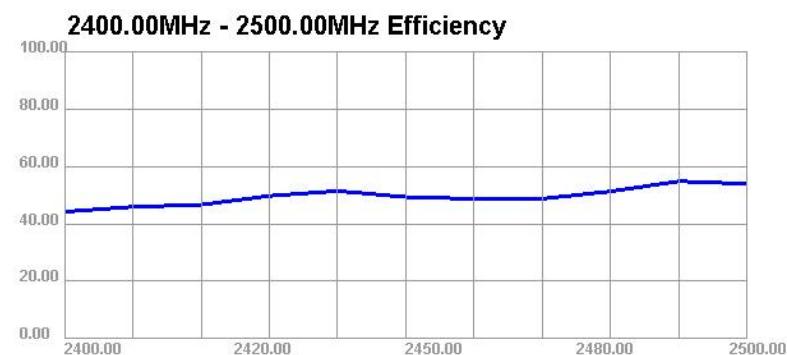
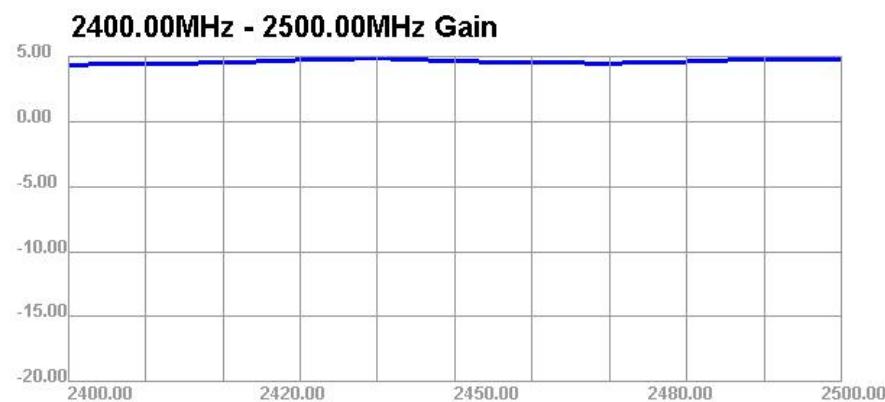


Antenna size diagram

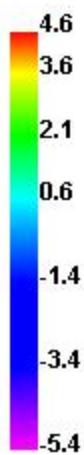
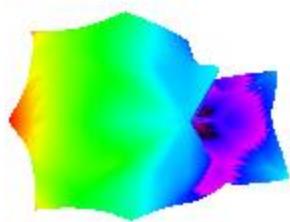


Antenna darkroom test data

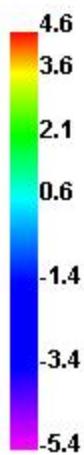
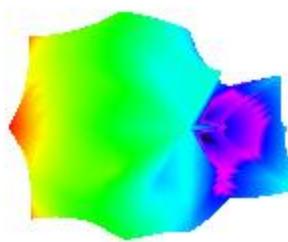
| Passive Test For WIFI-2.4G | | | | | | | | | | | | |
|----------------------------|----------|-----------|------------|------------|----------|----------|----------|----------|------------------|-----------------|-----------|-----------|
| Freq (MHz) | Effi (%) | Effi (dB) | Gain (dBi) | Gain (dBd) | UHIS (%) | DHIS (%) | Max (dB) | Min (dB) | irectivity (dBi) | Beamwidth (3dB) | AttH (dB) | AttV (dB) |
| 2400 | 44.22 | -3.54 | 4.34 | 2.19 | 26.836 | 17.381 | 4.34 | -16.58 | 7.88 | 0 | 45.51 | 45.06 |
| 2410 | 45.94 | -3.38 | 4.45 | 2.3 | 27.795 | 18.143 | 4.45 | -14.98 | 7.83 | 0 | 45.14 | 44.7 |
| 2420 | 46.65 | -3.31 | 4.49 | 2.34 | 28.111 | 18.538 | 4.49 | -14.6 | 7.8 | 0 | 45.67 | 45.27 |
| 2430 | 49.75 | -3.03 | 4.72 | 2.57 | 29.952 | 19.794 | 4.72 | -13.67 | 7.75 | 0 | 45.28 | 44.87 |
| 2440 | 51.45 | -2.89 | 4.85 | 2.7 | 31.033 | 20.416 | 4.85 | -13.19 | 7.74 | 0 | 45.75 | 45.35 |
| 2450 | 49.36 | -3.07 | 4.62 | 2.47 | 29.889 | 19.471 | 4.62 | -14.32 | 7.69 | 0 | 45.36 | 44.92 |
| 2460 | 48.7 | -3.12 | 4.52 | 2.37 | 29.579 | 19.124 | 4.52 | -15.11 | 7.65 | 0 | 45.39 | 44.93 |
| 2470 | 48.76 | -3.12 | 4.46 | 2.31 | 29.635 | 19.125 | 4.46 | -16.36 | 7.58 | 0 | 45.43 | 44.94 |
| 2480 | 51.32 | -2.9 | 4.59 | 2.44 | 31.037 | 20.28 | 4.59 | -16.1 | 7.49 | 0 | 45.48 | 45 |
| 2490 | 54.83 | -2.61 | 4.8 | 2.65 | 32.942 | 21.887 | 4.8 | -15.52 | 7.41 | 0 | 45.64 | 45.23 |
| 2500 | 53.97 | -2.68 | 4.75 | 2.6 | 32.204 | 21.762 | 4.75 | -16.39 | 7.43 | 0 | 45.93 | 45.51 |



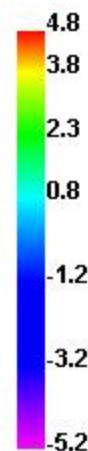
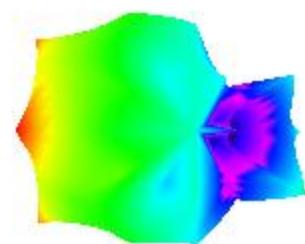
2450.000MHz



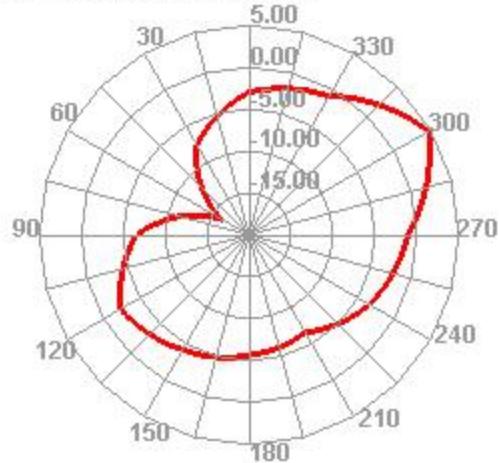
2480.000MHz



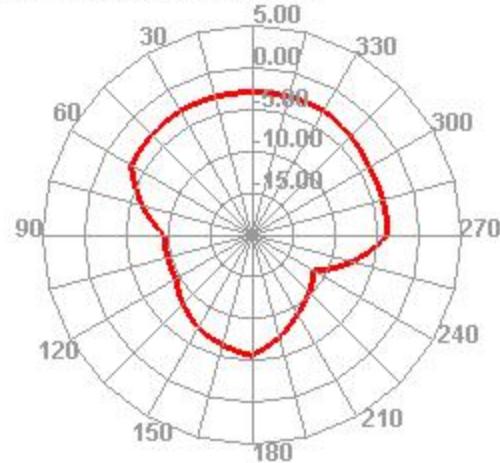
2500.000MHz



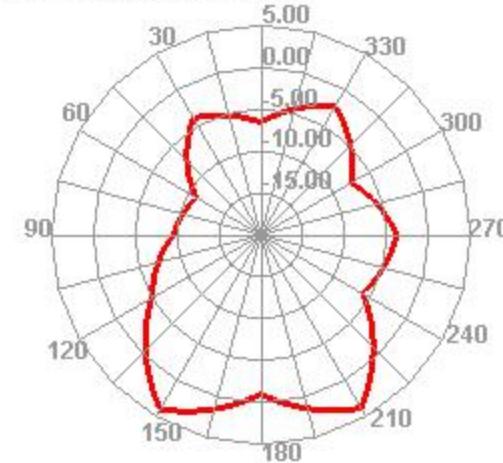
2500.000MHz E1



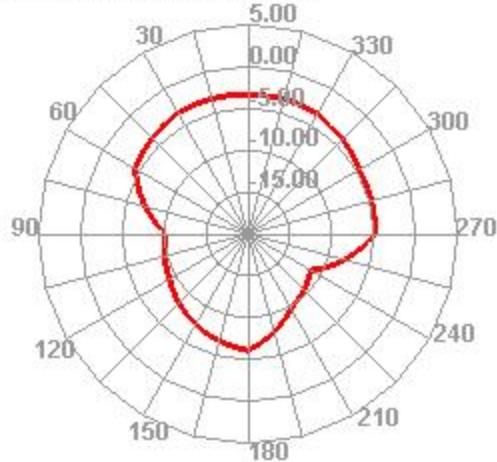
2500.000MHz E2



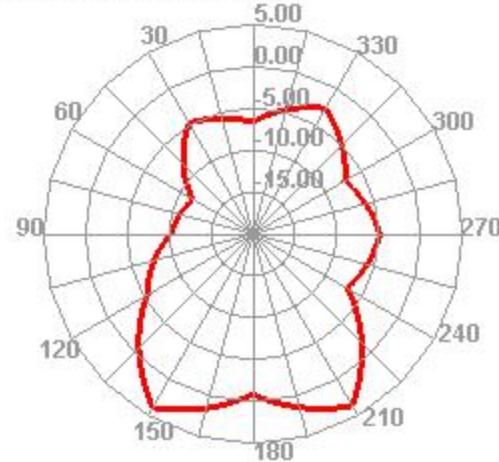
2500.000MHz H



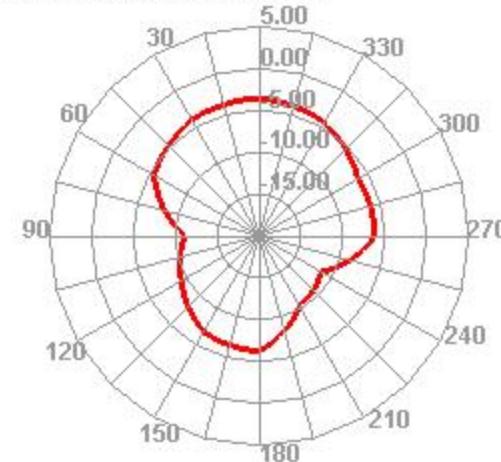
2480.000MHz E2



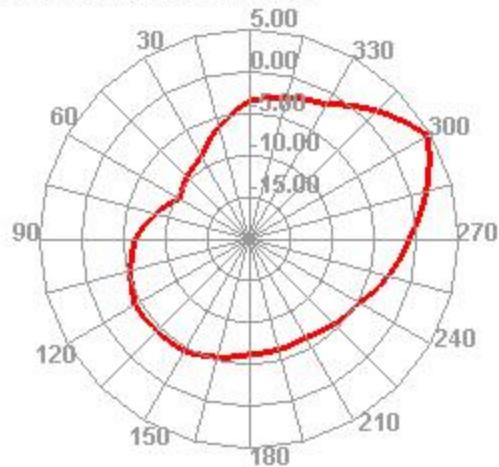
2480.000MHz H



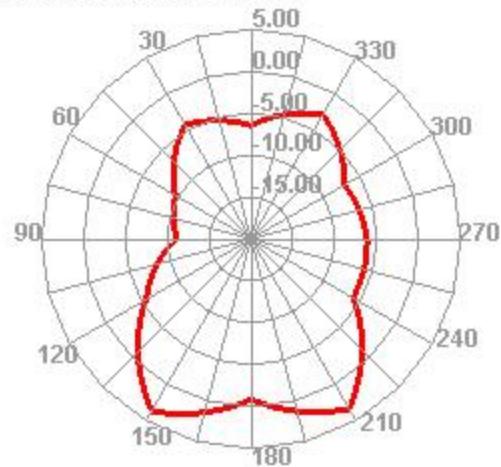
2450.000MHz E2



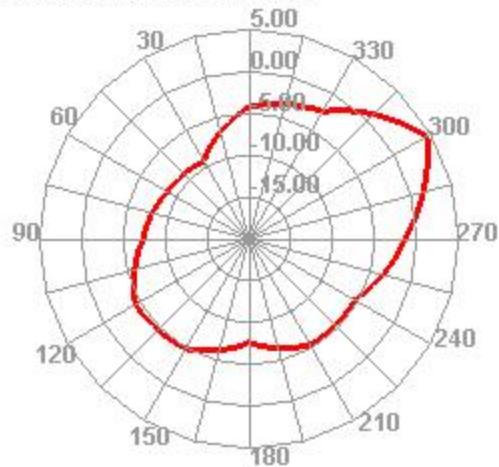
2450.000MHz E1



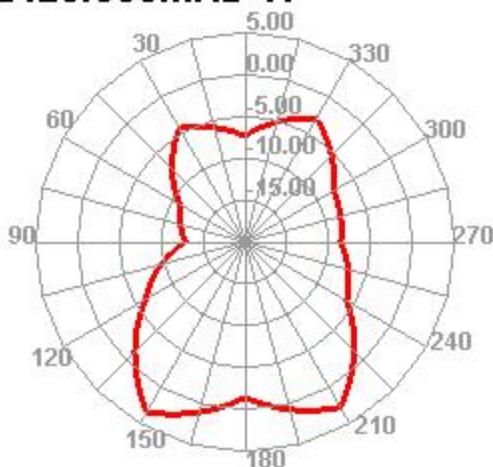
2450.000MHz H



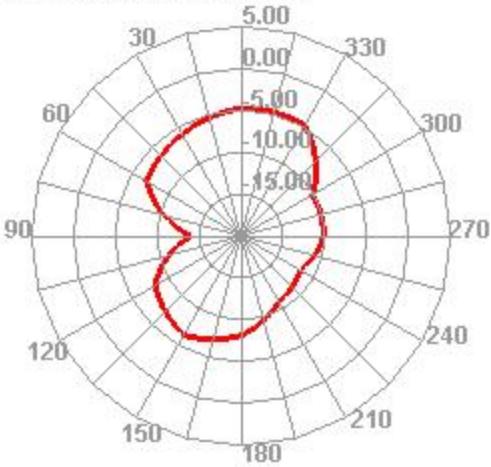
2420.000MHz E1



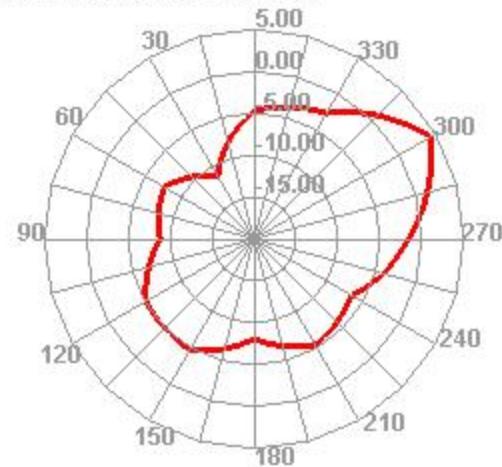
2420.000MHz H



2400.000MHz E2



2400.000MHz E1



2400.000MHz H

