

# Antenna specification

Module: ANT-HT13TA1E01

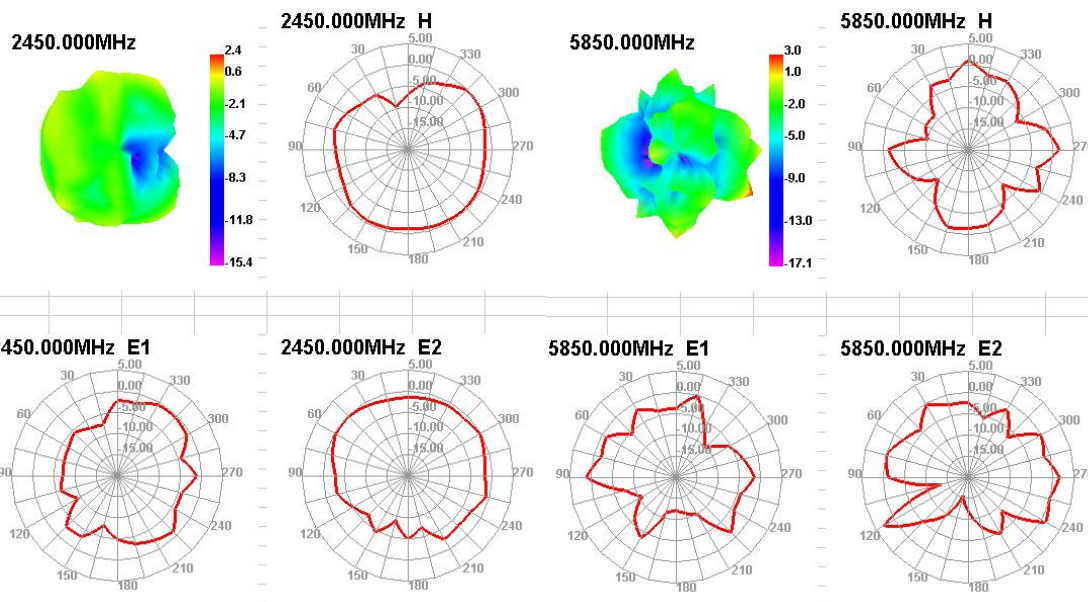
Manufacturer: DONGGUAN IPRODA TECHNOLOGY CO.,LTD

Frequency Range: 2400-2500MHz; 5150-5850MHz

## ANT0

### Bluetooth +WIFI Antenna Gain/Efficiency/Radiation Pattern of 3D

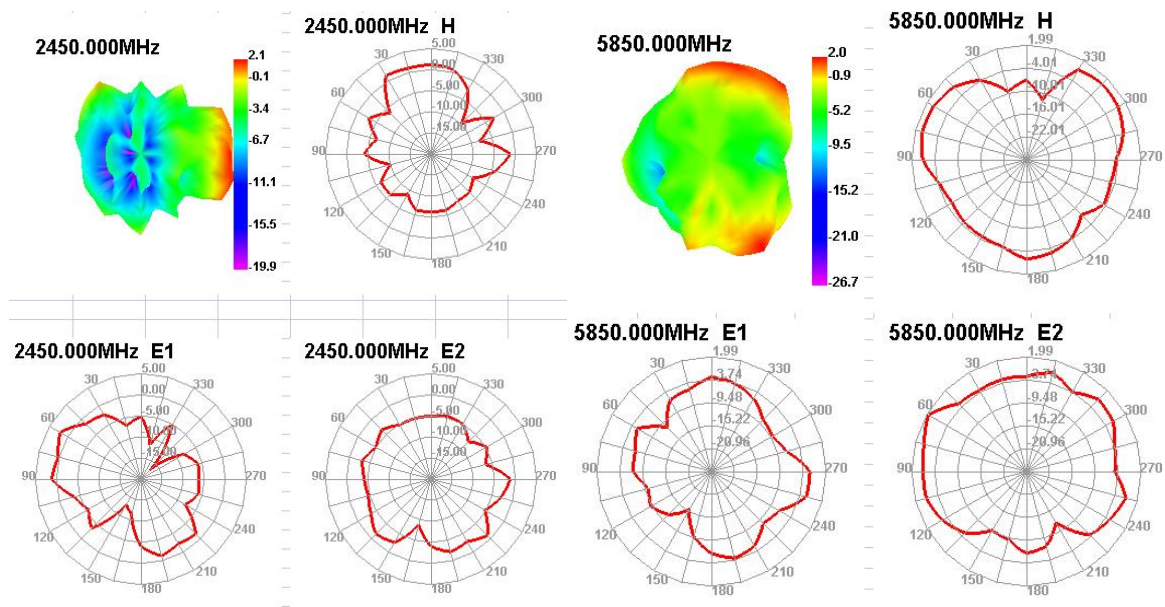
| Freq<br>(MHz) | Effi<br>(%) | Effi<br>(dB) | Gain<br>(dBi) |
|---------------|-------------|--------------|---------------|
| 2400          | 43.2        | -3.64        | 1.41          |
| 2410          | 51.28       | -2.9         | 1.98          |
| 2420          | 50.94       | -2.93        | 1.81          |
| 2430          | 54.26       | -2.66        | 1.98          |
| 2440          | 55.01       | -2.6         | 2.06          |
| 2450          | 56.9        | -2.45        | 2.37          |
| 2460          | 56.76       | -2.46        | 2.45          |
| 2470          | 55.92       | -2.52        | 2.45          |
| 2480          | 56.53       | -2.48        | 2.4           |
| 2490          | 57.57       | -2.4         | 2.26          |
| 2500          | 57.38       | -2.41        | 2.23          |
| 5150          | 37.18       | -4.3         | 1.75          |
| 5350          | 39.91       | -3.99        | 1.53          |
| 5550          | 43.76       | -3.59        | 2.22          |
| 5750          | 45.76       | -3.4         | 2             |
| 5850          | 44.55       | -3.51        | 3.03          |



## ANT1

### WIFI Antenna Gain/Efficiency/Radiation Pattern of 3D

| Freq<br>(MHz) | Effi<br>(%) | Effi<br>(dB) | Gain<br>(dBi) |
|---------------|-------------|--------------|---------------|
| 2400          | 45.79       | -3.39        | 2.48          |
| 2410          | 43.76       | -3.59        | 2.11          |
| 2420          | 44.52       | -3.51        | 2.04          |
| 2430          | 40.65       | -3.91        | 1.68          |
| 2440          | 43.74       | -3.59        | 2.11          |
| 2450          | 41.84       | -3.78        | 2.07          |
| 2460          | 42.71       | -3.69        | 2.33          |
| 2470          | 40.63       | -3.91        | 2.16          |
| 2480          | 42.19       | -3.75        | 2.37          |
| 2490          | 42.02       | -3.77        | 2.38          |
| 2500          | 43.86       | -3.58        | 2.66          |
| 5150          | 37.32       | -4.28        | 1.51          |
| 5350          | 37.58       | -4.25        | 1.6           |
| 5550          | 42.84       | -3.68        | 1.21          |
| 5750          | 47.97       | -3.19        | 2.29          |
| 5850          | 44.84       | -3.48        | 1.99          |



# Antenna Size Picture

