

# Antenna technical specifications

## 一、 Summarize

This antenna is a WiFi dual-band terminal glue stick antenna, working frequency is 2400-2500MHz/5150-5850MHz, Widely used in WiFi products, Bluetooth headphones and audio, PAD, mobile phone multi-frequency antenna on a variety of terminal equipment, using a small size Bending design, can provide good data transmission and communication functions.



## 二、 Technical requirement

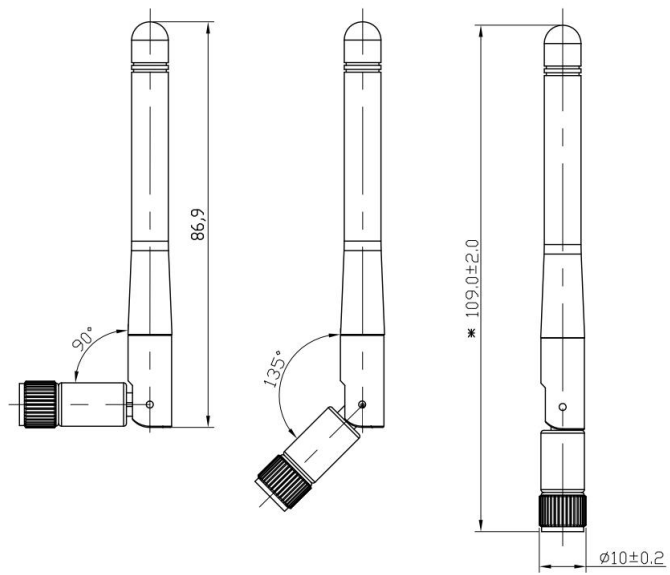
Operating frequency range: 2400-2500MHz/515-5850MHz

Antenna gain:  $\geq 3.0 \pm 0.5$  dBi

Polarization mode: LP

VSWR: < 2.0

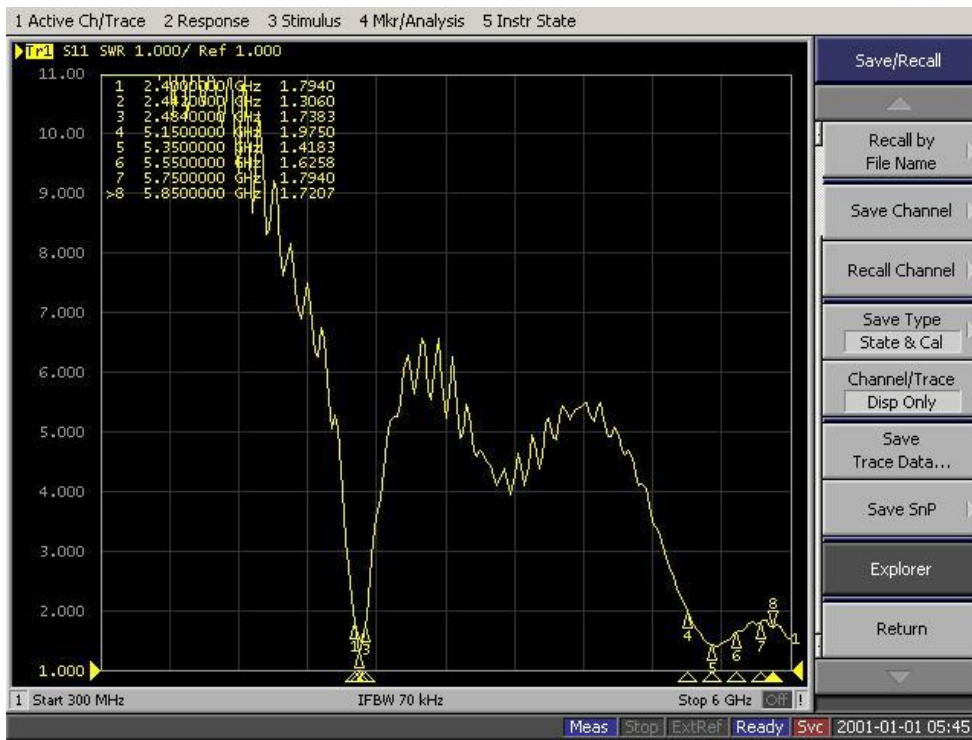
Output impedance:  $50\Omega$



1 Outline dimensional drawing

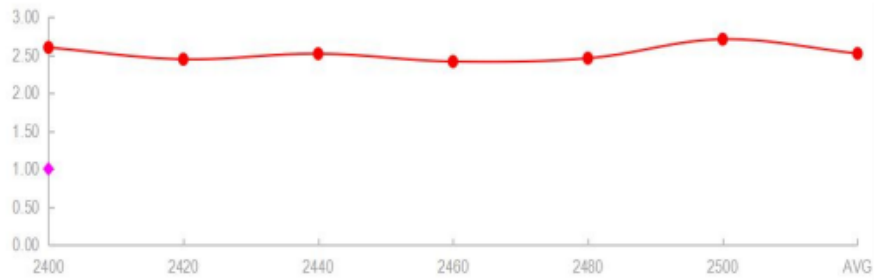
### 三、Test data

#### 1、VSWR

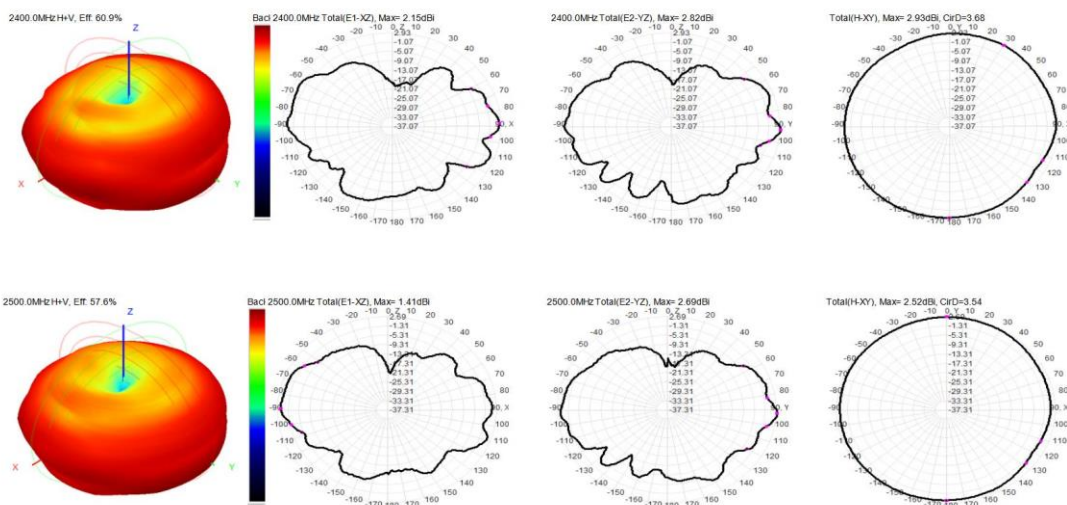
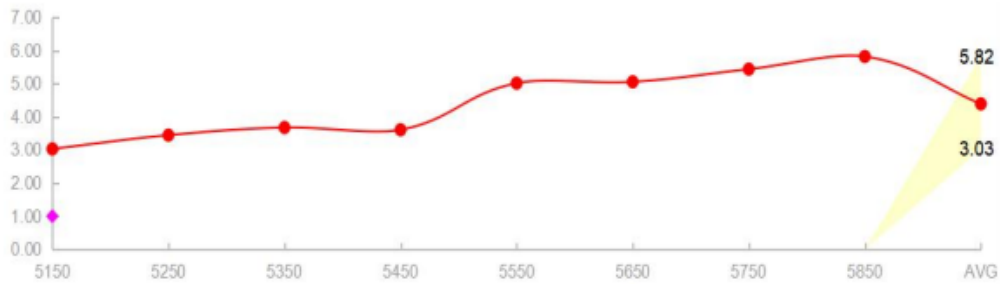


## 2、Antenna gain and direction diagram

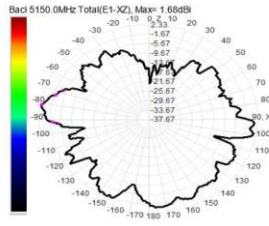
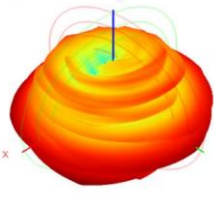
Frequency ID	1	2	3	4	5	6	7
Frequency (MHz)	2400	2420	2440	2460	2480	2500	AVG
Gain (dBi)	2.60	2.44	2.52	2.41	2.46	2.71	2.52
Efficiency (%)	60.95	56.53	56.15	52.82	52.09	57.64	56.02



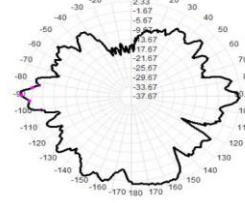
Frequency ID	1	2	3	4	5	6	7	8	9
Frequency (MHz)	5150	5250	5350	5450	5550	5650	5750	5850	AVG
Gain (dBi)	3.03	3.45	3.68	3.61	5.01	5.06	5.44	5.82	4.39
Efficiency (%)	45.34	46.10	46.34	46.28	57.73	66.85	75.97	75.09	57.46



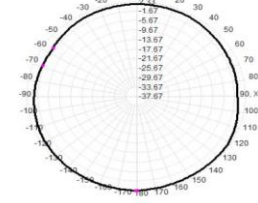
5150.0MHz HHV, Eff: 40.3%



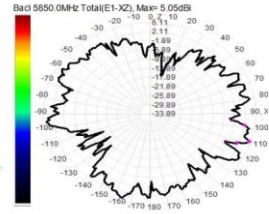
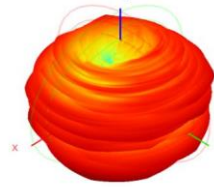
5150.0MHz Total(E2-YZ), Max= 2.33dB



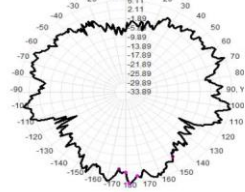
Total(H-XY), Max= 1.97dB, CirD=3.29



5850.0MHz HHV, Eff: 119.6%



5850.0MHz Total(E2-YZ), Max= 6.11dB



Total(H-XY), Max= 1.74dB, CirD=6.24

