

ANTENNA DATA SHEET

Product Name: 2.4G FPC Antenna

Model Number: UB01NF1D897A

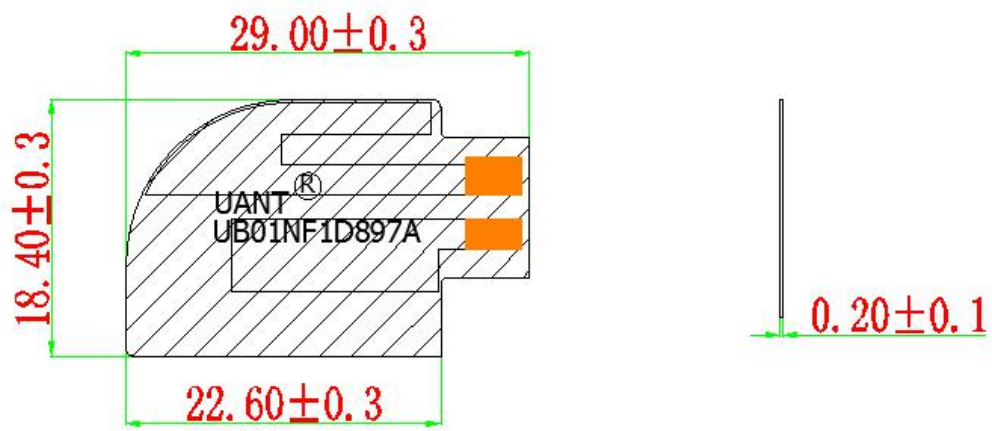
Manufacturer Name: Dongguan Youbi Electronics Co., Ltd

Address: Building 79, New Sun Industrial City, Lincun
Community, Tangxia Town, Dongguan City

1.Specifications:

Design Specifications	Typical
天线类型（Antenna Type）	FPC Antenna
工作频率（Working Frequency）	2400-2500MHz
最大增益（Peak Gain）	1.99 dBi
平均效率（Average Efficiency）	48.5%
电压驻波比（VSWR）	<3
极化方式（Ploriaztion）	Linear polarization
轴比（Axial Ratio）	\
辐射方向（Radiation pattern）	Omnidirectional
馈电阻抗（impedance）	50 ohm
功率容量（Power handling）	1W
天线接口（Interface）	DIP
天线尺寸（Overall dimensions）	29.0*18.4mm
重量（Weight）	\
工作温度（Operatin Temp）	-20℃~+70℃
储存温度（Storing Temp）	-20℃~+70℃

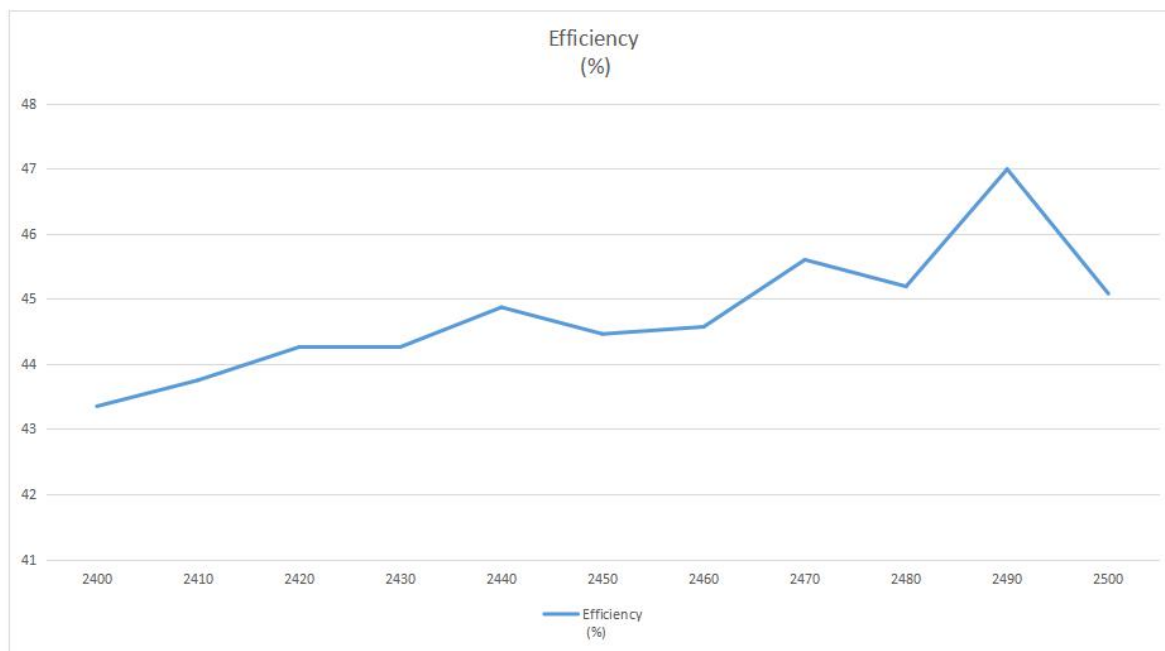
2. Dimensions:



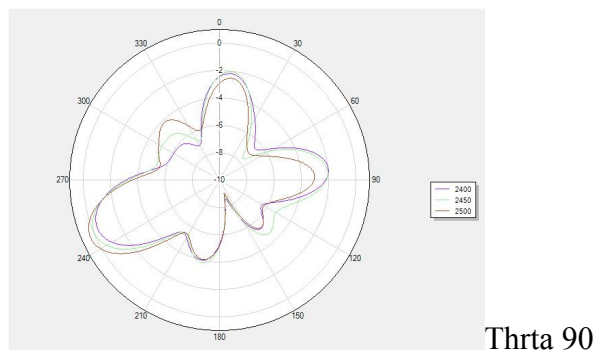
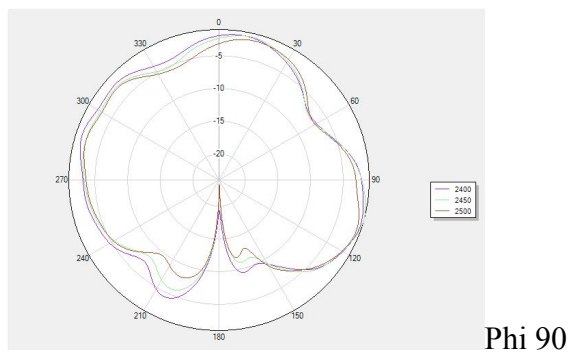
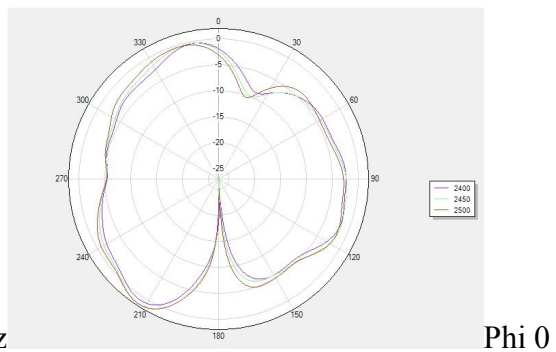
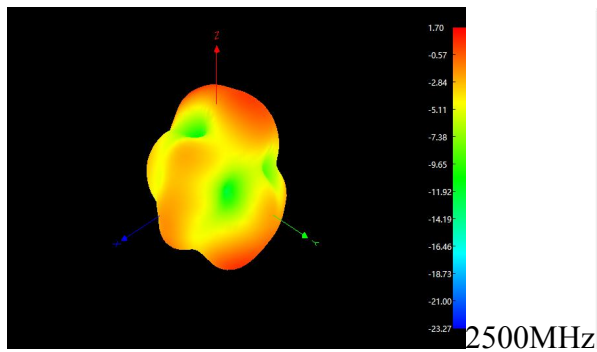
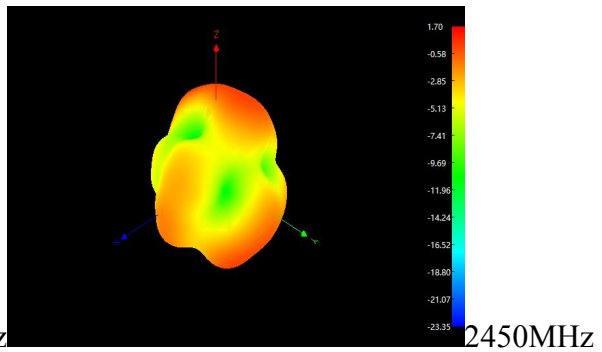
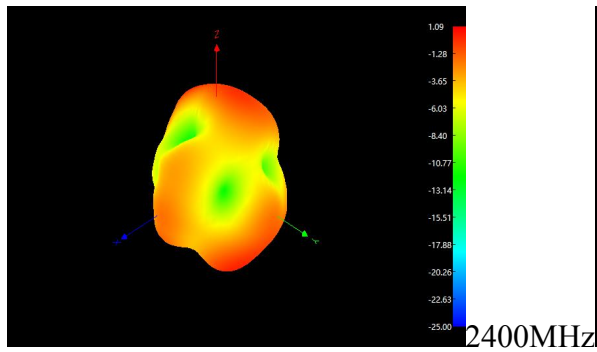
Unit: mm

3. Antenna Gain&Efficiency:

Frequency / MHz	Efficiency / dB	Efficiency / %	Gain/ dBi
2400	-3.63	43.35	1.09
2410	-3.59	43.75	1.13
2420	-3.54	44.26	1.48
2430	-3.54	44.26	1.6
2440	-3.48	44.87	1.68
2450	-3.52	44.46	1.7
2460	-3.51	44.57	1.79
2470	-3.41	45.6	1.99
2480	-3.45	45.19	1.71
2490	-3.28	46.99	1.91
2500	-3.46	45.08	1.7



4. 2D、3D Raditation Pattern



A photograph of the internal components of a mobile phone, laid out on a green textured surface. The components include a black battery with the text 'UANT® UB01NF1D897A' printed on it, a USB port, a Wi-Fi antenna, and various electronic components and connectors. A red rectangular box is drawn around the battery and the area immediately surrounding it.

