



# 2ADNG-YND1800 Antenna Specification

## 1. Feature

- \* 907~920Mhz Dual Polarized Patch Antenna
- \* 2.4G BLE Dual Polarized Patch Antenna

## 2. Application

907~920MHz&2.4GHz  
 Supports: WPT & BLE

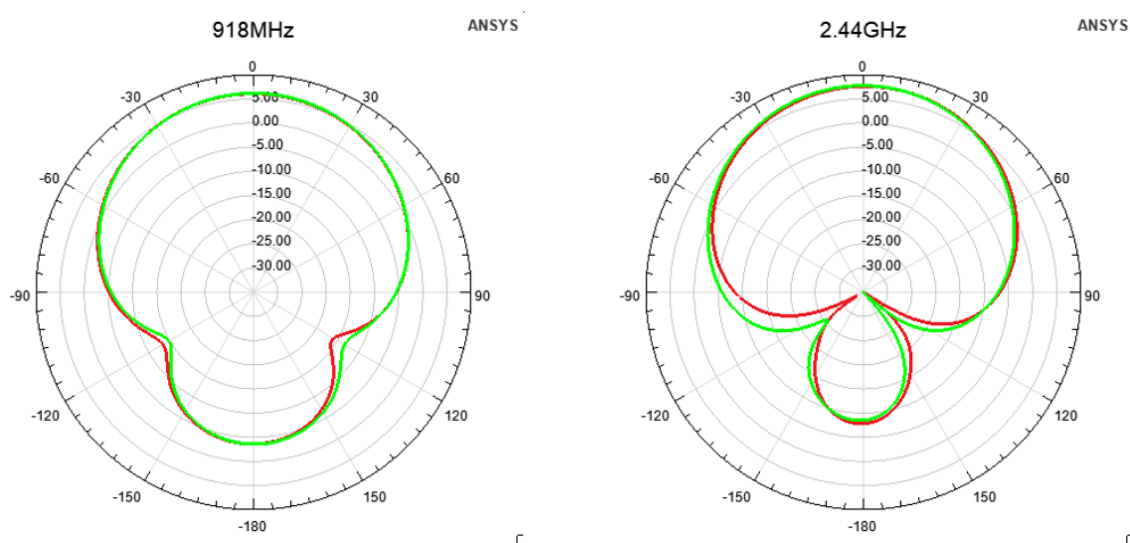
## 3. General Data

Product Name	2ADNG-YND1800 Antenna	
Designed by	Energous Corp	
Manufacturer	Hubble Electronics Technology Co.,LTD	
Manufacturer Part No.	3.6.02.0338	
Frequency	907~920Mhz WPT	2.4GHz BLE
Gain	6.5dBi	7.5dBi
Polarization	Dual Polarized Patch Antenna	Dual Polarized Patch Antenna
Dimensions (mm)	101mmx101mmx0.254mm	41mmx41mmx0.254mm
Energous Corp Part No. Antenna	011-0779-00	011-0773-00
Energous Corp Part No. Back plane	011-0774-00	
Connection	U.FL	U.FL
Transmission	transmission line feed	transmission line feed

## 4. Typical Electrical Characteristics

### 4.1 Antenna Gain and Pattern - Simulation

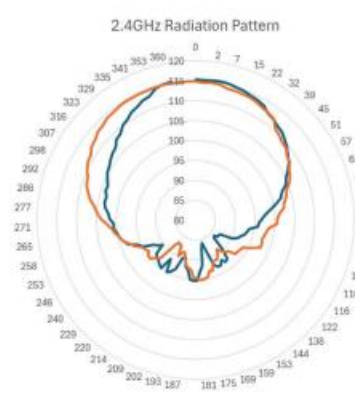
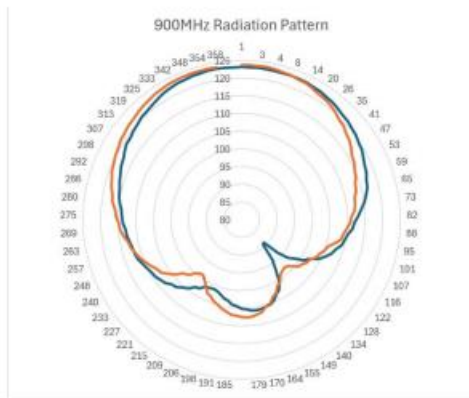
	Gain (dBi)	Bandwidth (degree)
918MHz	6.5	+/- 45
2.44GHz	7.5	+/- 40



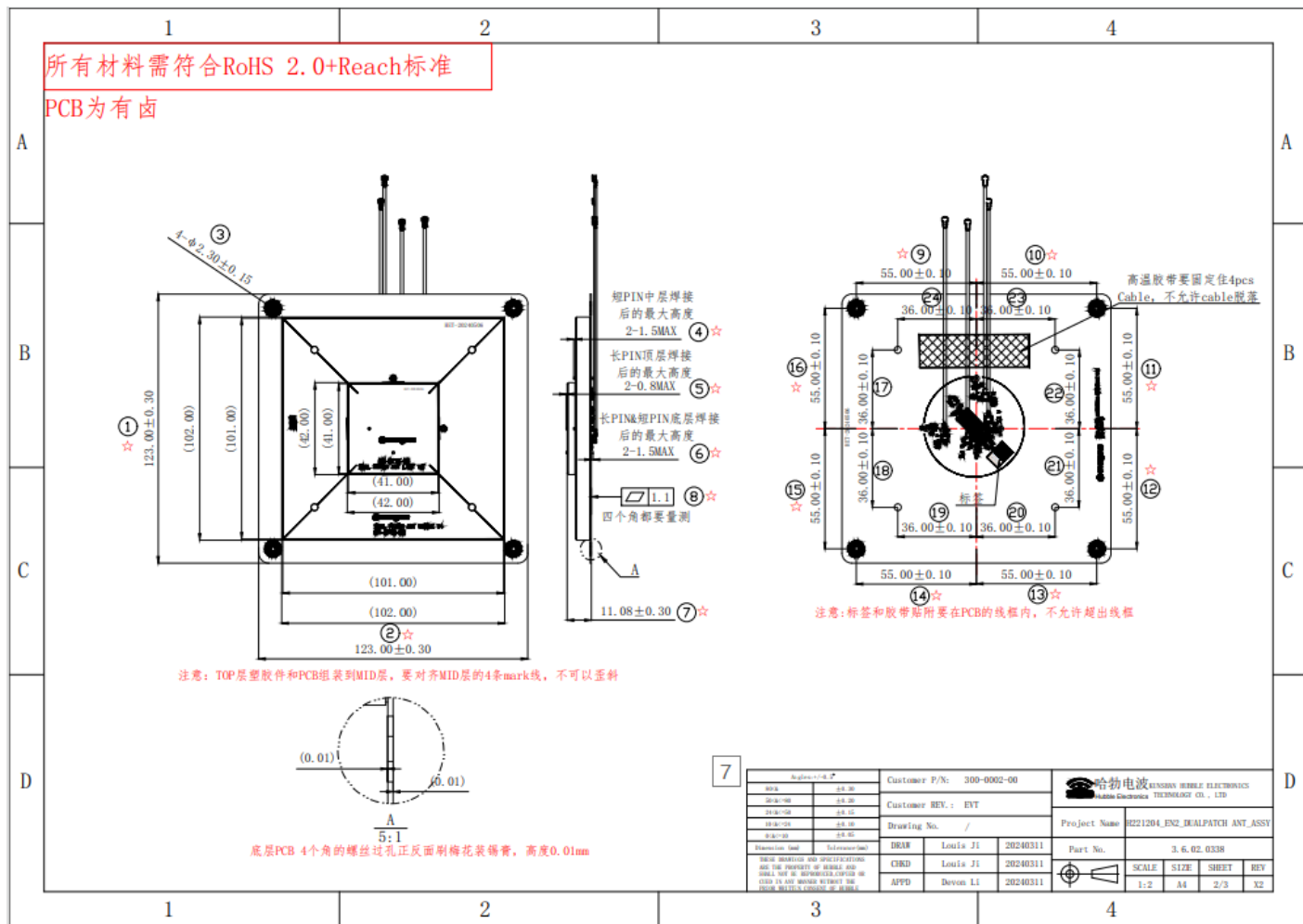
### 4.2 Antenna Gain and Pattern - Measured

Tx Power (dBm)	Tx Angle (DEG)	Tx Gain (dBi)	Rx	Rx Gain (dBi)	FSPL (dB)	Calculated (dBm)	Measured (dBm)	Delta	Notes	Frequency (MHz)
30	0	6.5	Horn	6	41.24	1.26	1.11	-0.15	H	918
30	0	6.5	Horn	6	41.24	1.26	1.19	-0.07	V	918

Tx Power (dBm)	Tx Angle (DEG)	Tx Gain (dBi)	Rx	Rx Gain (dBi)	FSPL (dB)	Calculated (dBm)	Measured (dBm)	Delta	Notes	Frequency (MHz)
17	0	7.5	Horn	9.6	49.72	-15.62	-15.70	-0.08	H	2437
17	0	7.5	Horn	9.6	49.72	-15.62	-15.90	-0.28	V	2437

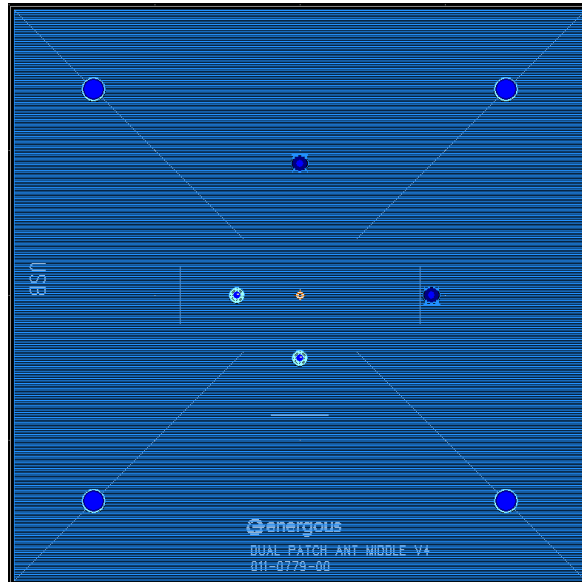


### 5. Drawing

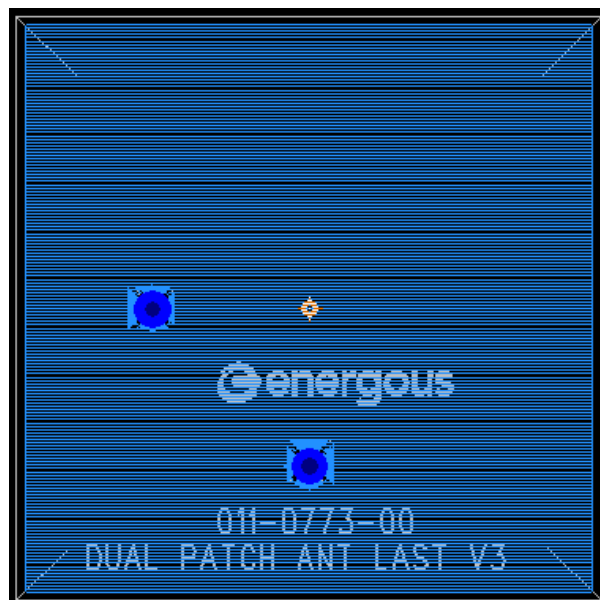


## 6. Antenna Picture

For 907~920 WPT



For 2.4G BLE



Back-plane

