

## PCB Antenna

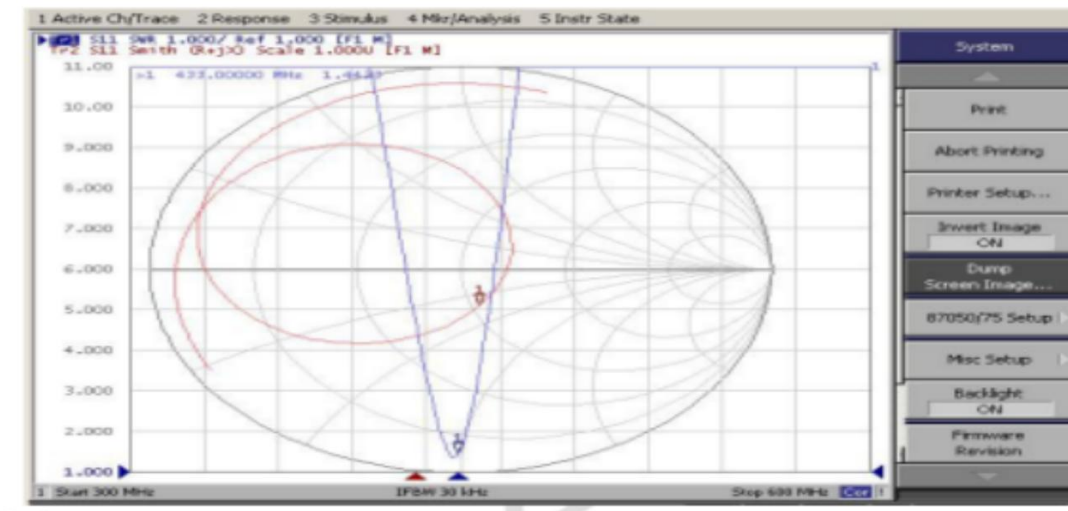
Manufactured by: Yutong Communication Technology (Dongguan) Co., Ltd.

Address: Second floor, Building 2, Zhufoling Foxing street, Industrial Park #168, Tangxia town, Dongguan City



## Test report

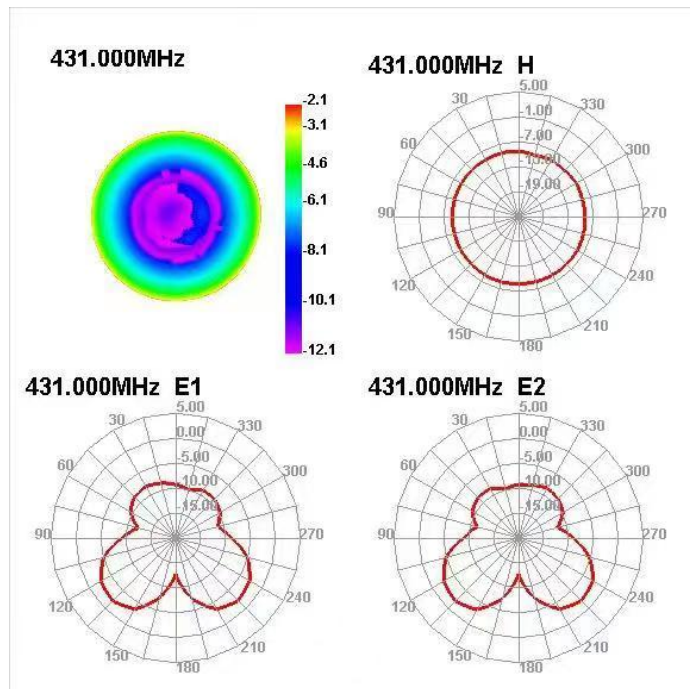
### 1. Antenna standing-wave diagram



### 2. Antenna efficiency

Passive Test For 433								
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHIS (%)	DHIS (%)	Max (dB)	Min (dB)
425	22.31	-7.62	-4.24	-4.39	6.575	10.735	-3.24	-22.01
426	23.44	-7.34	-4.14	-4.29	7.071	11.367	-3.14	-21.25
427	24.3	-7.14	-4.15	-4.3	7.473	11.829	-3.15	-20.83
428	24.84	-7.03	-4.25	-4.4	7.783	12.053	-3.25	-20.11
429	24.91	-7.01	-4.5	-4.65	7.934	11.98	-3.5	-19.56
430	24.43	-7.11	-3.83	-4.98	7.882	11.552	-3.83	-19.01
431	23.74	-7.27	-2.12	-4.27	7.756	10.985	-4.12	-18.99
432	22.62	-7.54	-2.38	-4.53	7.455	10.165	-4.38	-18.9
433	21.23	-7.9	-2.78	-4.93	6.995	9.233	-4.78	-18.71
434	19.67	-8.34	-3.14	-5.29	6.414	8.252	-5.14	-18.75
435	18.02	-8.85	-3.66	-5.81	5.758	7.263	-5.66	-19.16

### 3. Antenna pattern



Testing Equipment and Principle

#### 1. Test equipment:

Network Analyzers :Agilent 8753D 5071B

Communications Test Set :

Agilent E5515C CMW500 8820C

3D Chamber Test System:

#### 2. Test principle:

