



Model Antenna SPECIFICATION

Antenna Manufacturer Name	Universal Global Technology (Kunshan) Co., Ltd.
Address	No. 497, Huangpujiang Road, Qiandeng, Kunshan, Jiangsu Province P.R. C 215341
P/N:	46-500639-01: PCB antenna Wi-Fi_1 46-500640-01: PCB antenna Wi-Fi_2
Test DATE	2025/04/25
DATASHEET REVISION	Rev 00

Howard

Test Engineer: Howard



Description of Antenna 1

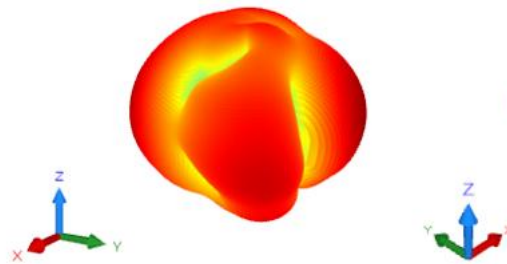
Frequency Range	2400~2500,5150~5850, 5925~7125MHz
Impedance	50Ω
Antenna type	PIFA
Manufacturing Process	PCB+Cable

Antenna Peak Gain:

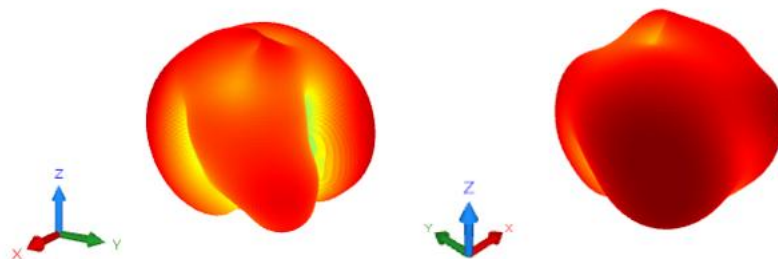
MHz	Peak Gain (dBi)
2402	2.00
2442	2.58
2472	2.40
5150	2.37
5250	2.65
5350	3.61
5470	4.05
5725	4.09
5850	4.10
5925	3.61
6425	2.31
6525	2.23
6875	2.94
7125	3.27

Ant 1 3D Radiation Pattern

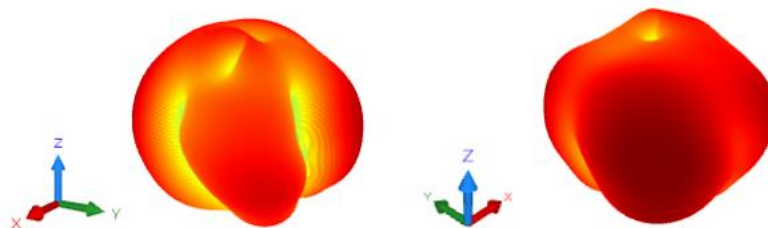
- 2402 MHz



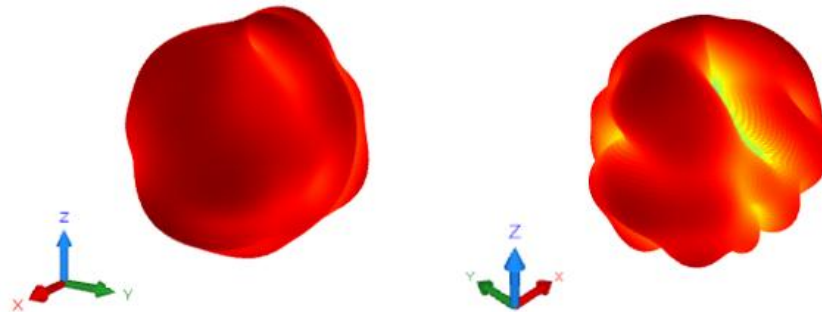
- 2442 MHz



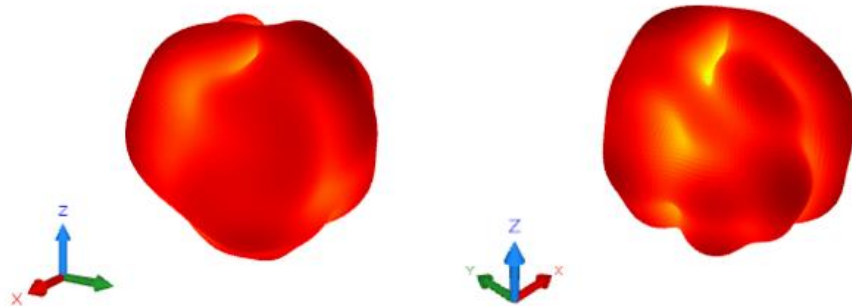
- 2472 MHz



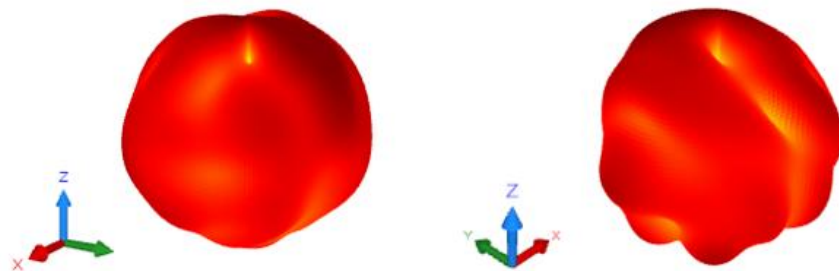
- 5150 MHz



- 5470 MHz



- 5850 MHz

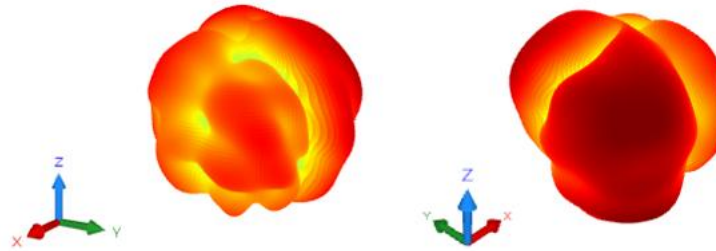




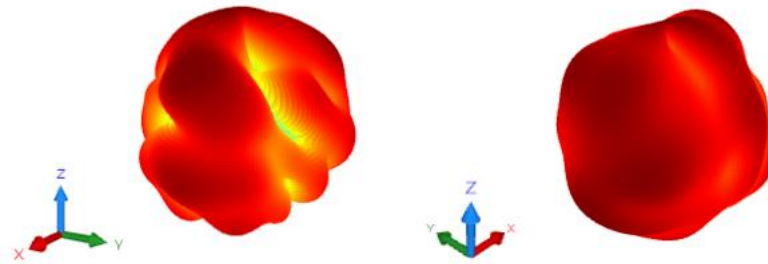
ZEBRA

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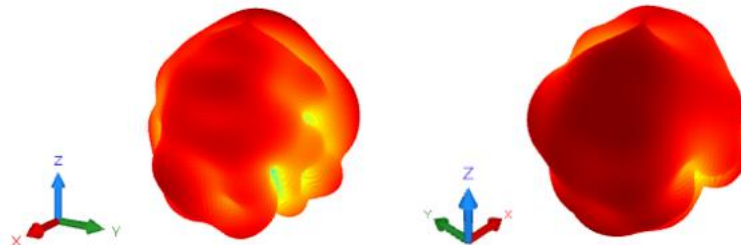
- 5925 MHz



- 6525 MHz



- 7125 MHz





Description of Antenna 2

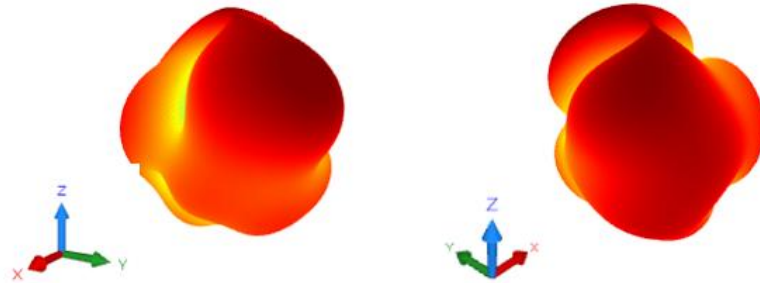
Frequency Range	2400~2500,5150~5850, 5925~7125MHz
Impedance	50Ω
Antenna type	Dipole
Manufacturing Process	PCB+Cable

Antenna Peak Gain:

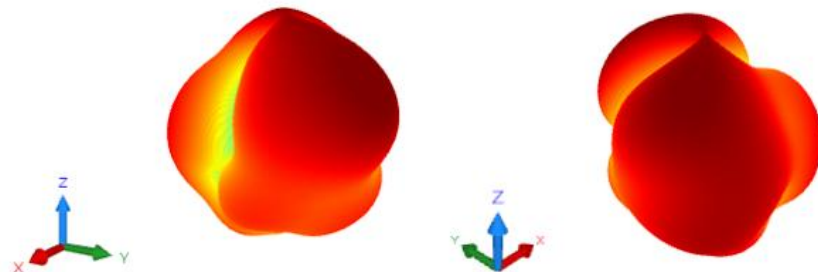
MHz	Peak Gain (dBi)
2402	2.98
2442	2.79
2472	2.98
5150	3.04
5250	3.09
5350	3.18
5470	4.09
5725	3.64
5850	3.88
5925	3.85
6425	2.98
6525	3.04
6875	2.34
7125	3.98

Ant 2 3D Radiation Pattern

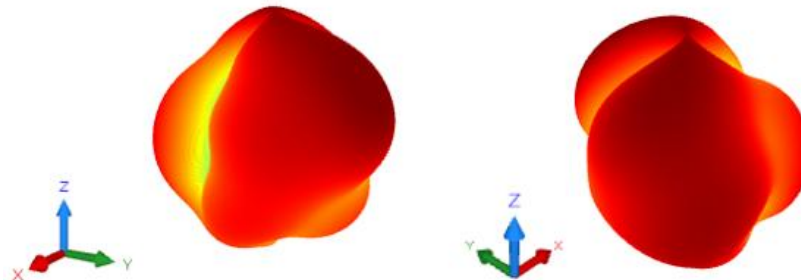
- 2402 MHz



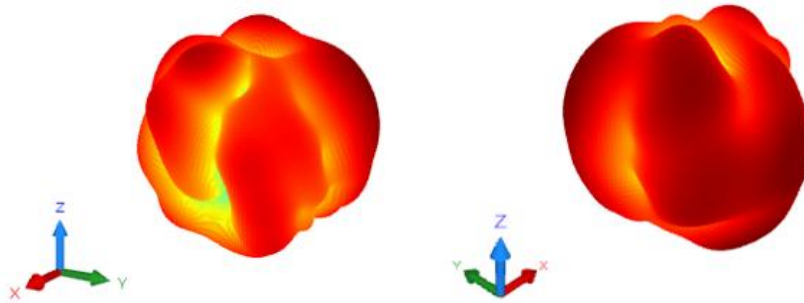
- 2442 MHz



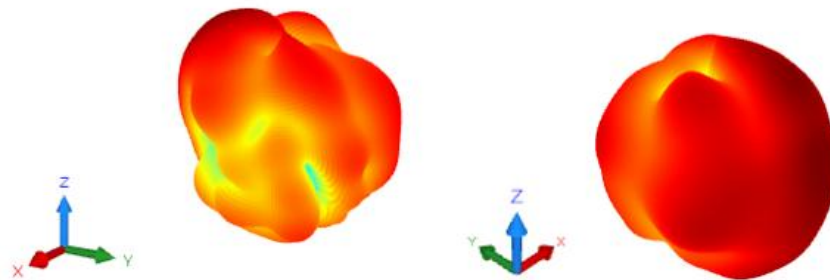
- 2472 MHz



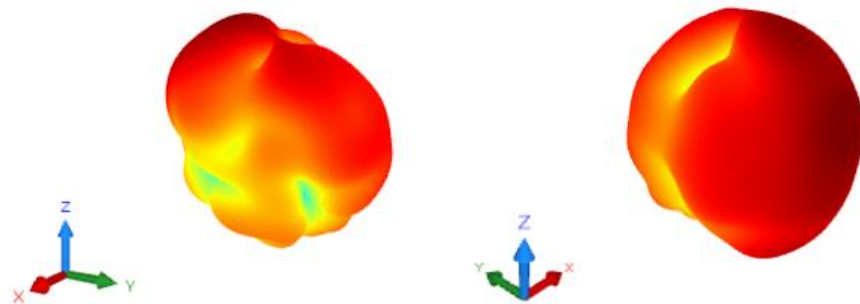
- 5150 MHz



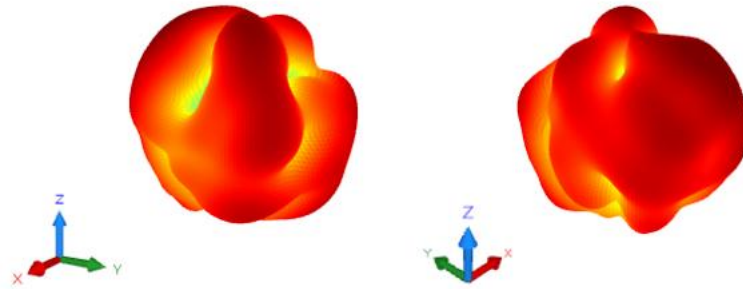
- 5470 MHz



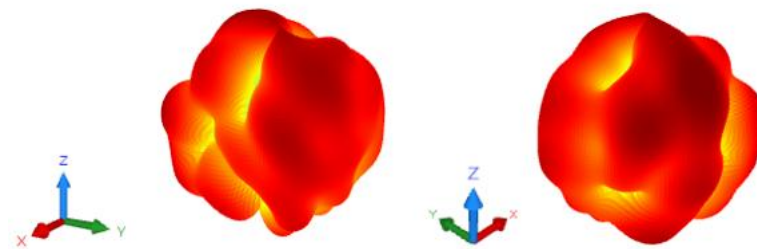
- 5850 MHz



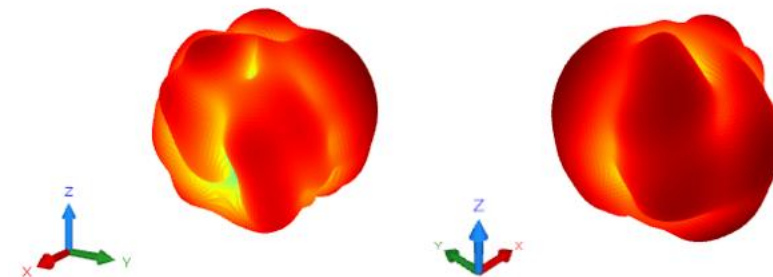
- 5925 MHz



- 6525 MHz



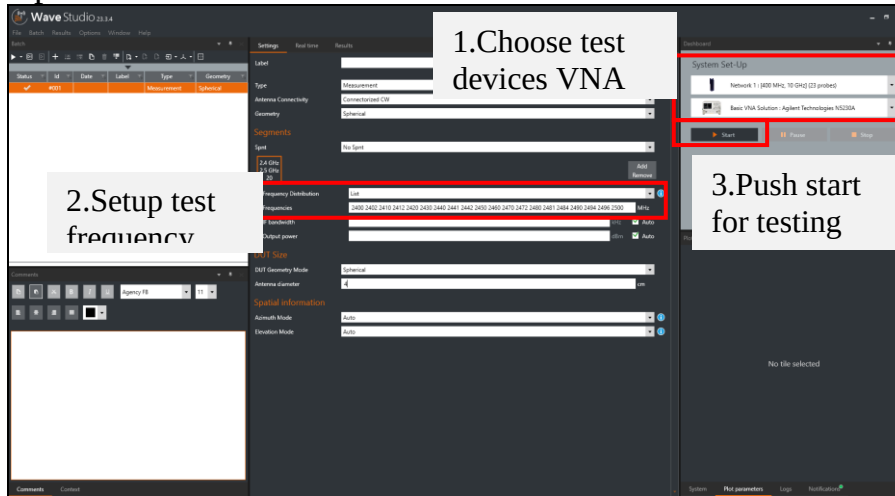
- 7125 MHz



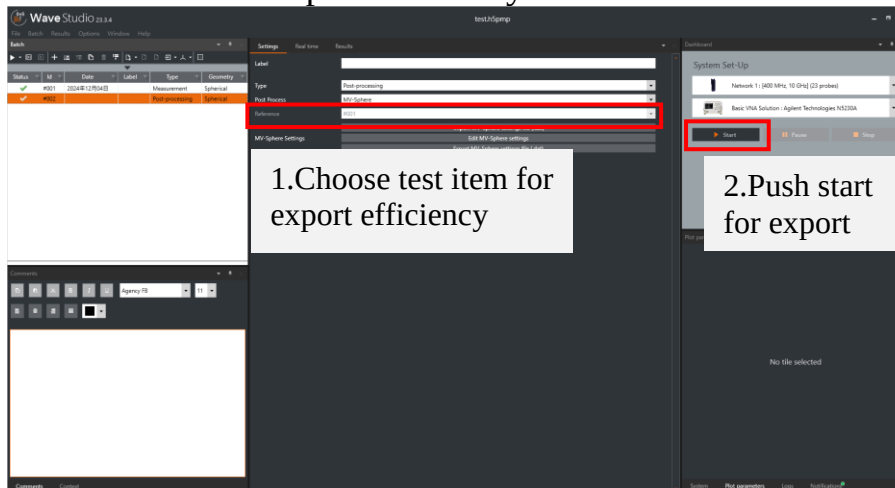


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Open WaveStudio23.3test software



Add test item for export efficiency



Result will show efficiency number

