

SPECIFICATION

CUSTOMER NAME:

PRODUCT NAME: 2.4G 3dBi PCB Patch antenna

CUSTOMER P/N:

U B P/N: UB01NP3D75A REV: D

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	Wenqiang.xiong	
APPROVED BY:	Kangjun.xu	
DATE:	2024/09/28	

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Dongguan UB Electronic Co.,Ltd

1. Specifications

Main technical specifications	
Frequency Range(MHZ)	2400~2500
Impedance(Ω)	50
Peak Gain(dBi)	3 ± 0.5
VSWR	≤ 2.0
Admitted Power	1W
Polarization	Line
Connector Type	SMT
Physical Properties	
Antenna Base	FR-4
Operating Temp	-20℃~+50℃
Storage Temp	-20℃~+50℃

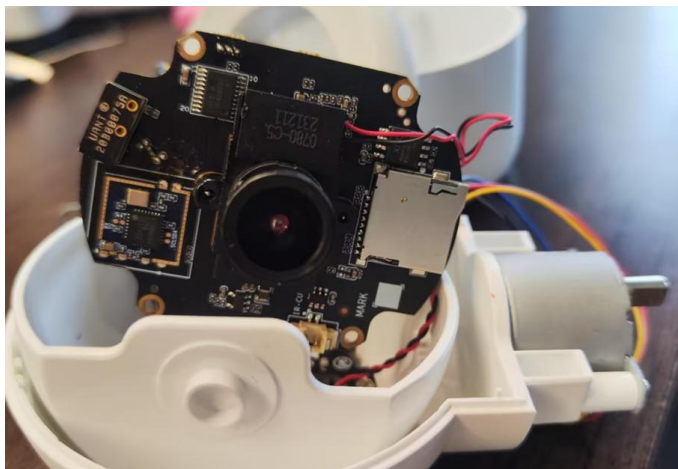
Address: 79 New Sun Industrial City, Lincun Community, Tangxia Town, Dongguan City(Dongguan Company)

Room 106, Letong Science Park, No. 500 Qiuyi Road, Binjiang District, Hangzhou(Hangzhou Company)

Tel: 0769-81777126

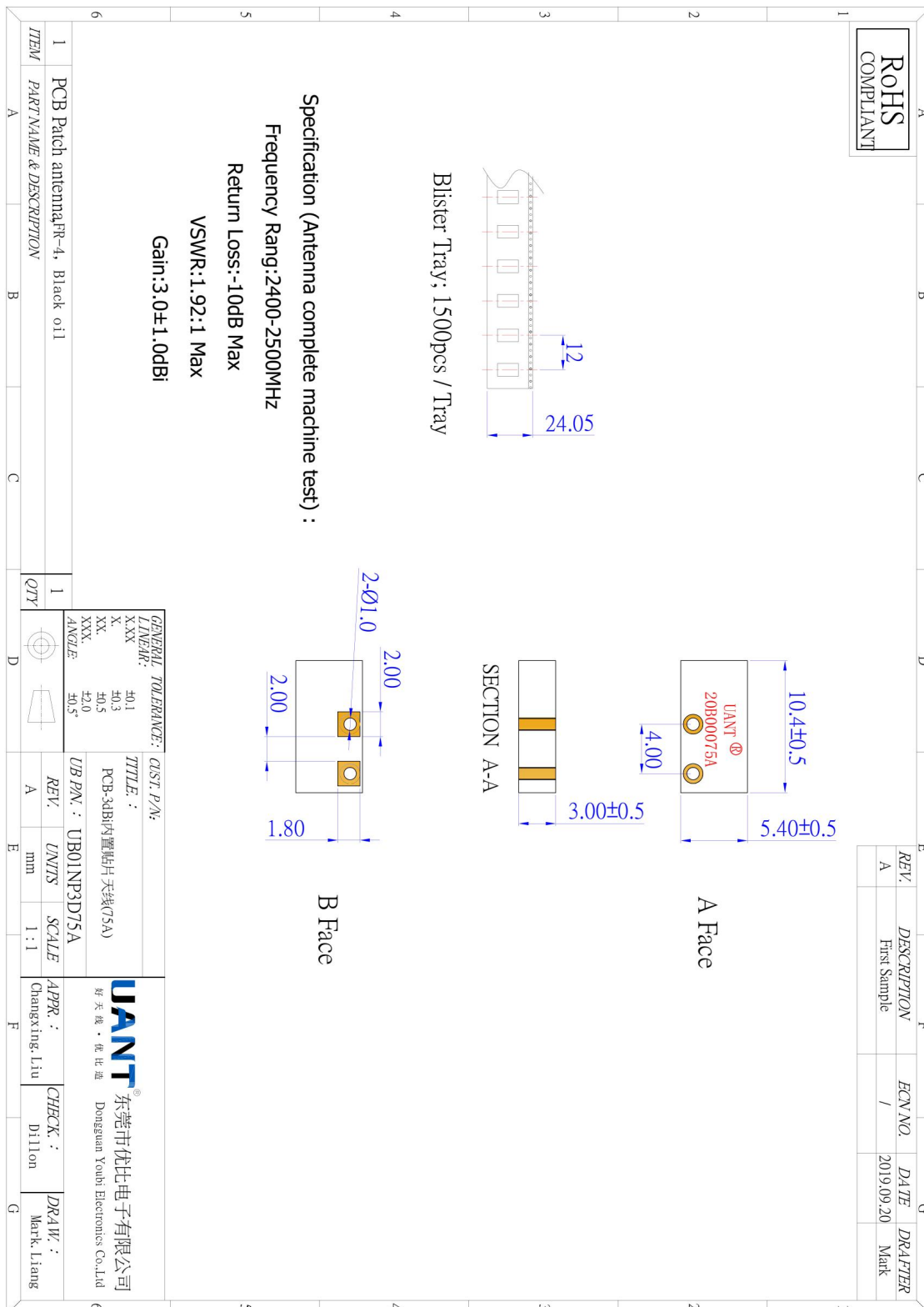
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3. Product Drawings



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4 Electrical Test

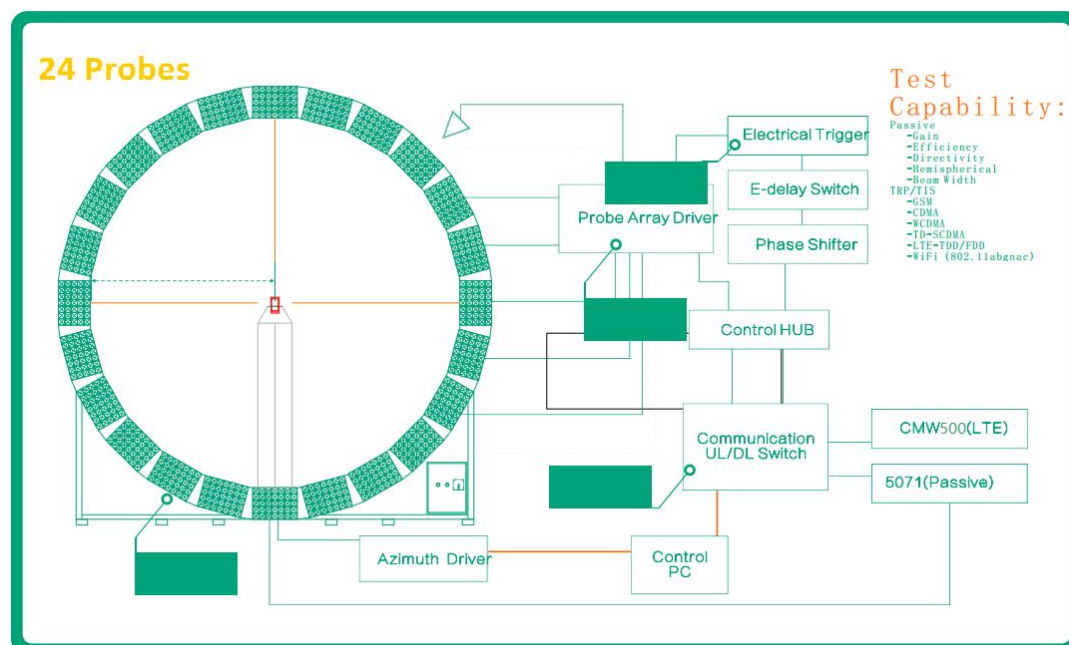
4.1 Method

Name	Parameter	Method	Standard no.
Mobile Communication antenna	VSWR	Generic specification for antennas used in the mobile communications	GB/T 9410-2008
	Antenna gain		
	Radiation pattern		
Antenna performance	Radiation efficiency	IEEE Standard Test Procedures for Antennas	ANSI/IEEE Std 149-1979

4.2 Device

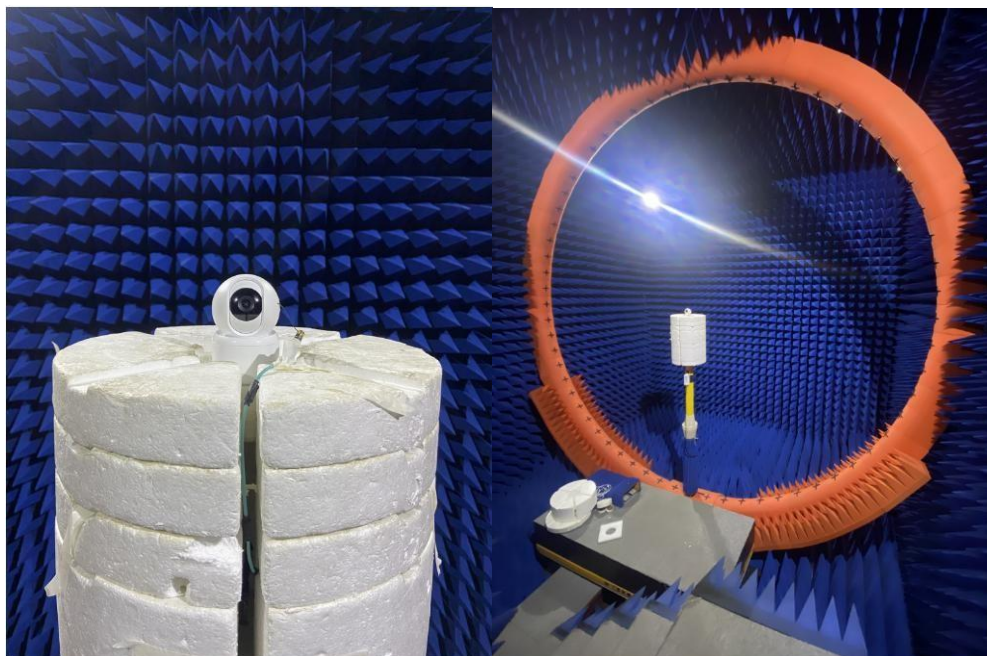
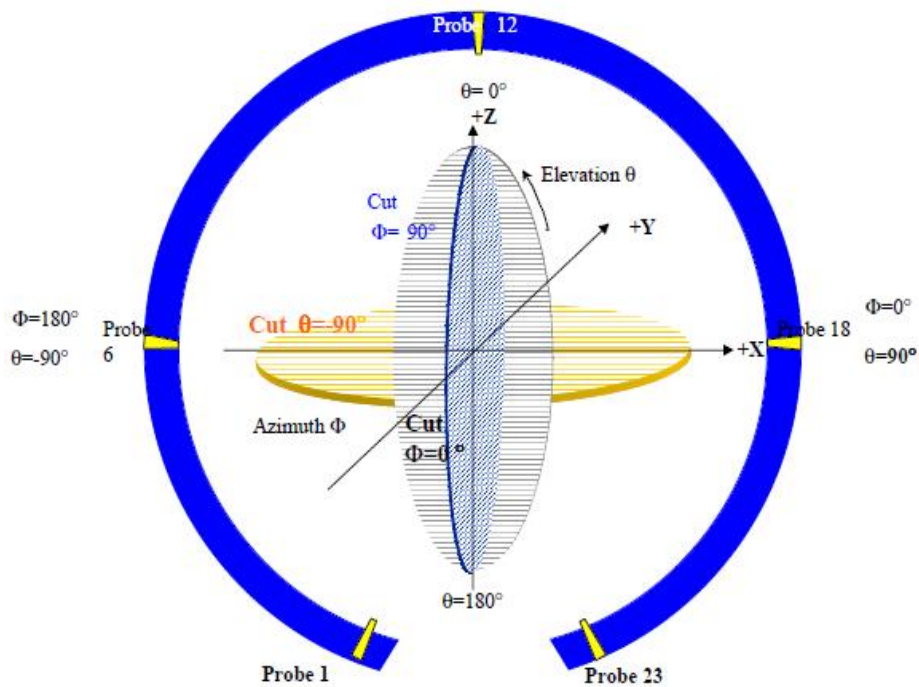
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
Network Analyzer	Agilent	E5071C	MY46315996	2024.08.25	2025.08.24
Radio Communication Tester	ROHDE&SCHWARZ	CMW500	0002K50-100844	2024.08.25	2025.08.24

4.3 Test Configuration



4.4 Passive Test

4.4.1 Position



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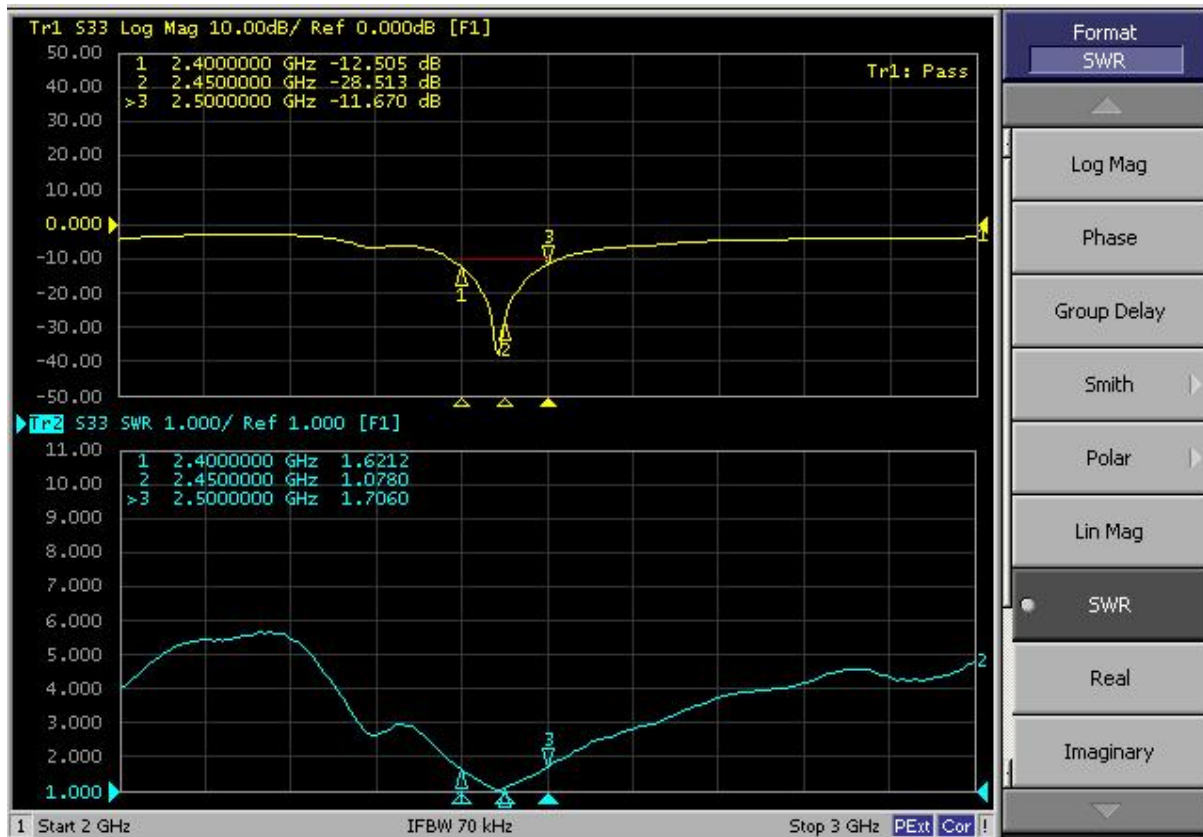
Room 106, Letong Science Park, No. 500 Qiuyi Road, Binjiang District, Hangzhou (Hangzhou Company)

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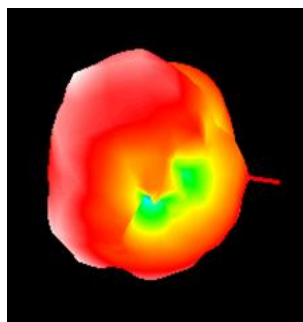
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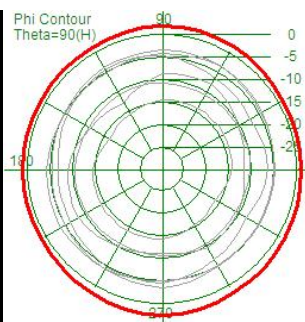
4.4.2: Network Analyzer Test Report



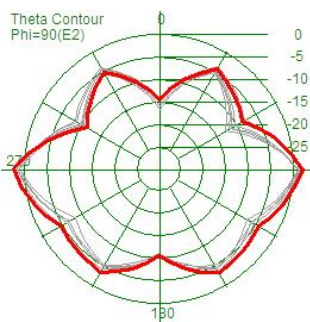
4.4.3: 2D、3D Raditation Pattern



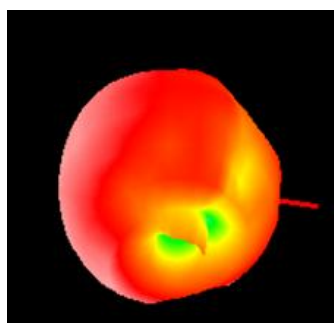
2.4GHz



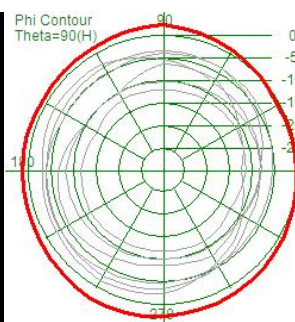
Peak Gain: 2.86dBi



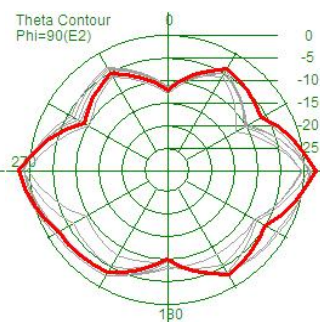
Efficiency: 55.8%



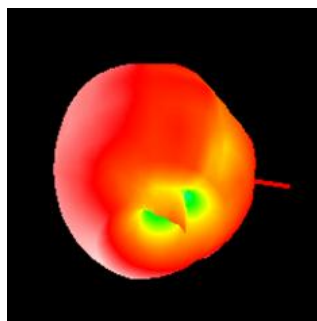
2.45GHz



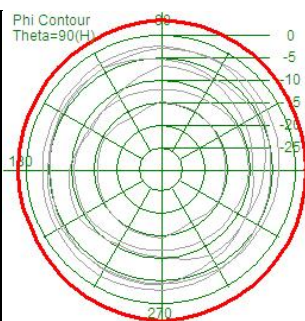
Peak Gain: 3.14dBi



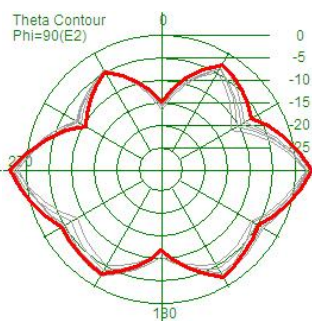
Efficiency: 60.2%



2.5GHz



Peak Gain: 3.09dBi



Efficiency: 57.6%

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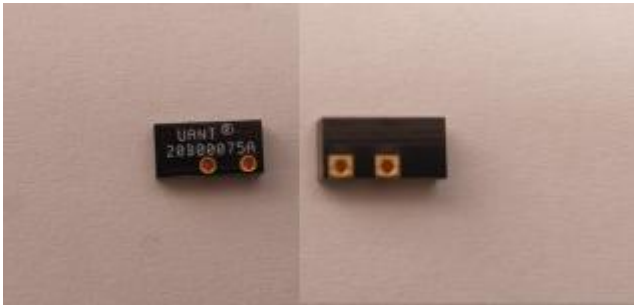


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6. product picture



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