

APPROVAL SHEET

CUSTOMER NAME: PUWELL

2.4G 3dBi Nickel plating of stainless steel antenna

PRODUCT NAME: / Square Bot

CUSTOMER P/N: 6.11.01.0039

UB P/N: UB01NJ3D289A REV: A

PRODUCER NAME: Youbi

Dongguan Youbi Electronics Co.,LTD, Room 101,Building 2,No.9,

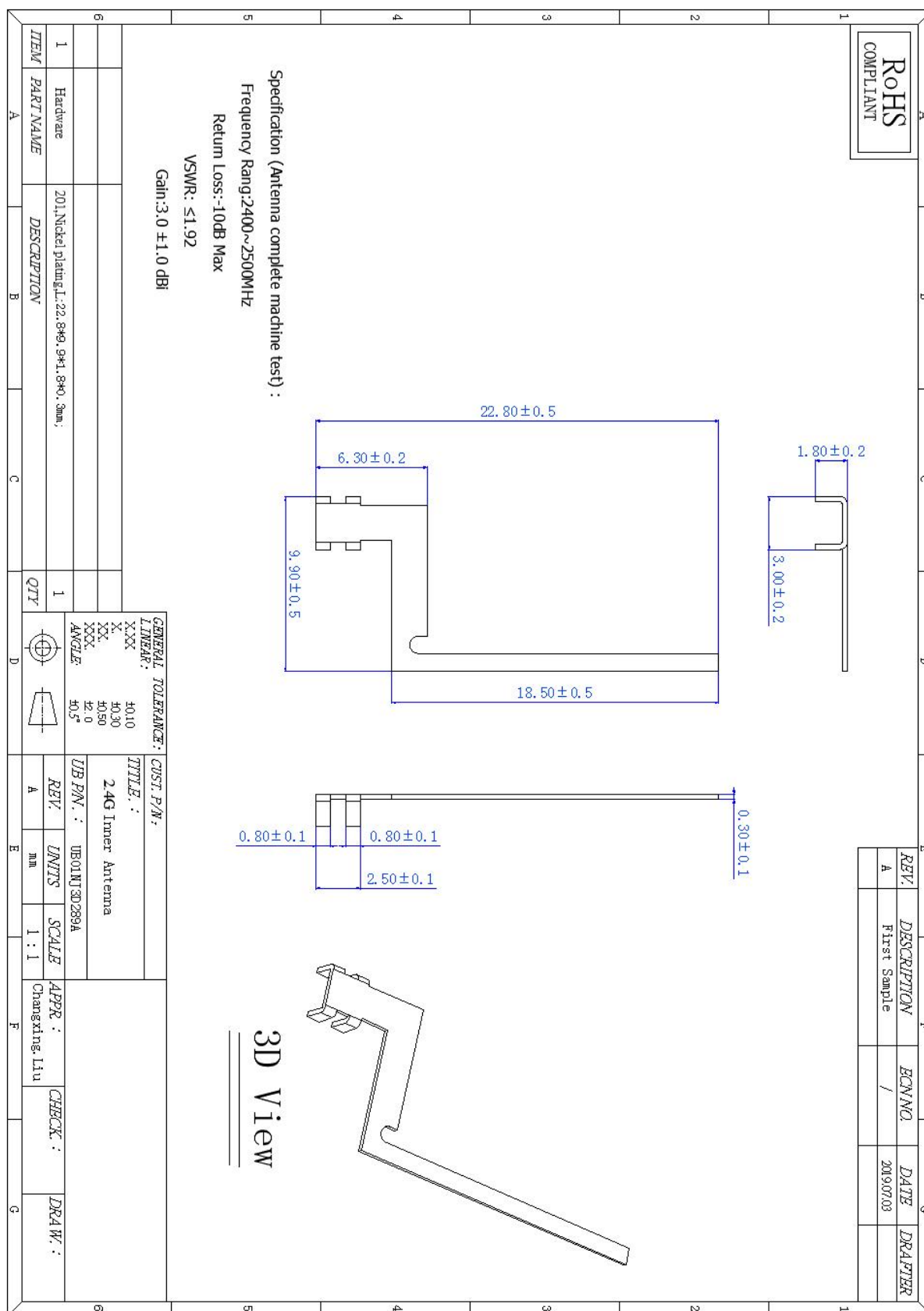
PRODUCER ADDRESS: Xinfu Road,Lin Village,Tangxia Town, Guangdong province

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:		
APPROVED BY:		
DATE:	2023/05/05	

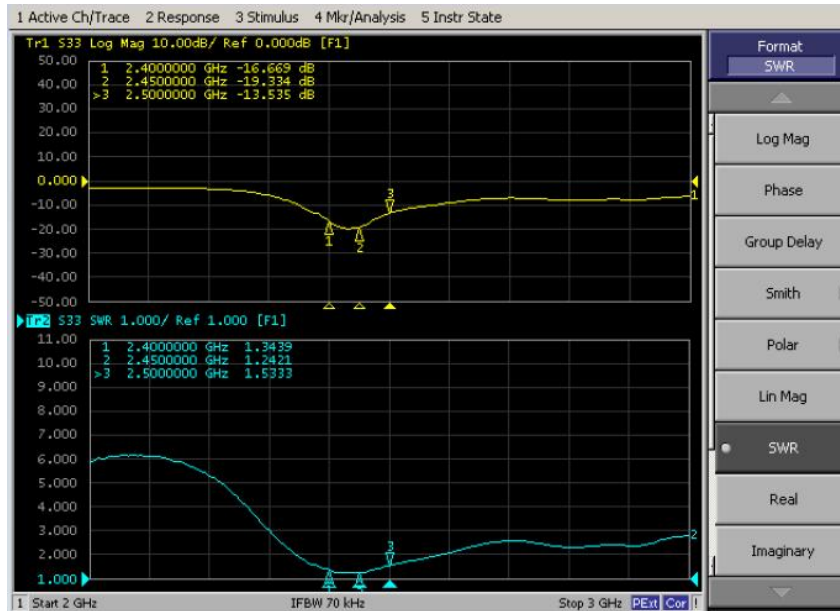
1. Specification table:

Electrical Specification	
Design Specifications	Types
Antenna Type	Inner antenna
Operating Frequency	2400-2500MHz
Peak Gain	3.5 ± 0.5
Average Efficiency	64.27%
VSWR	< 1.92
Polarization	Linear
Axial Ratio	\
Radiation pattern	Omnidirectional
Impedance	50 ohm
Power handling	1W
Interface	DIP
Overall dimensions	22.8*9.9*0.3mm
Weight	/
Operating Temp.	-20℃~+70℃
Storage Temp.	-20℃~+70℃

3. Mechanical Specification



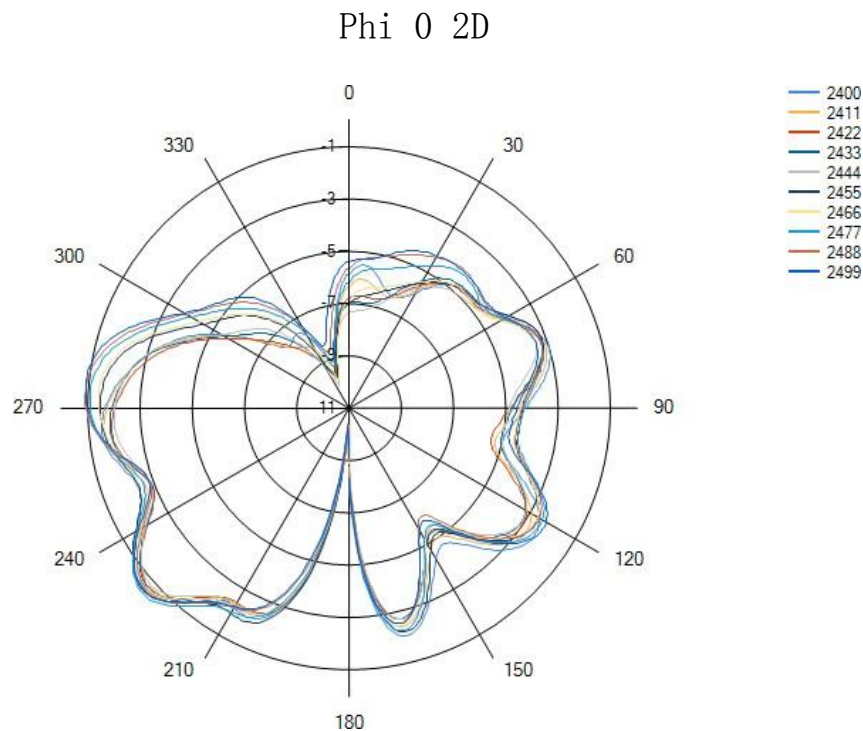
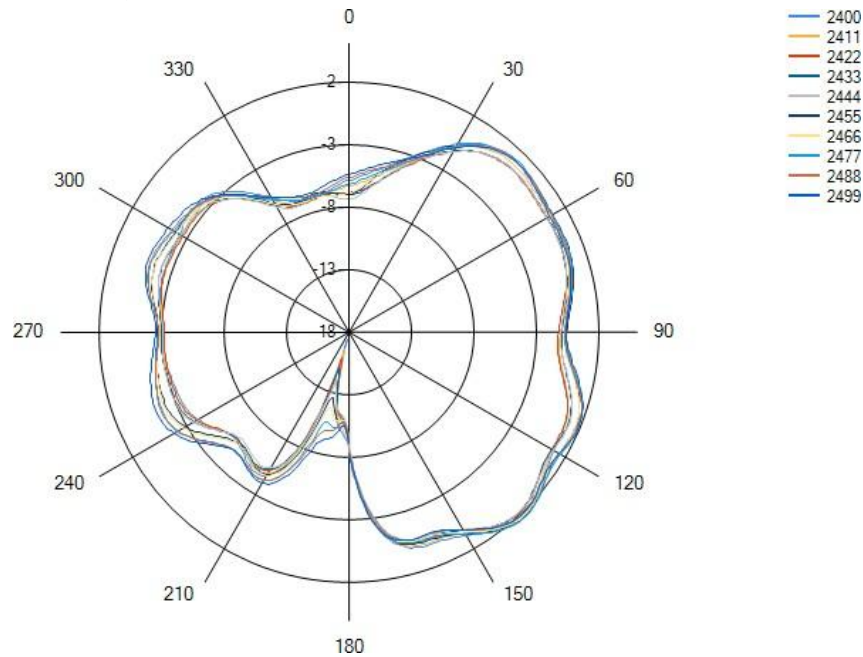
3.2: Darkroom 2D、3DRaditation Pattern

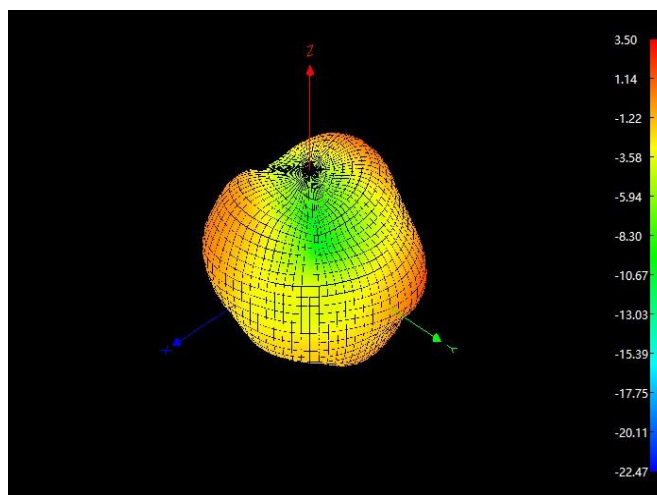


3.2.1 Efficiency and gain

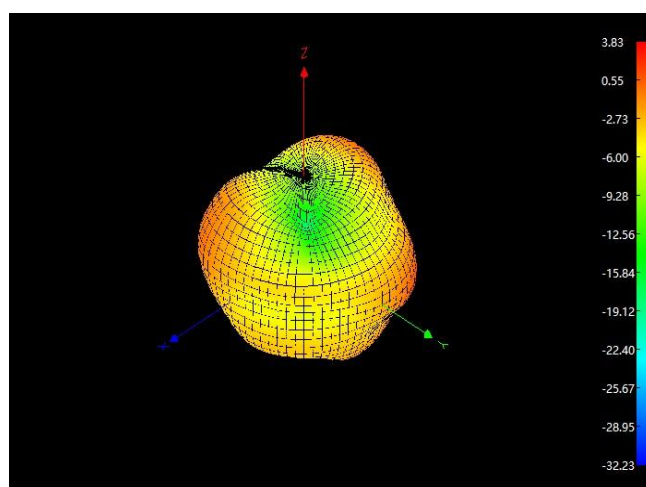
Frequency / MHz	Efficiency / dB	MaxGain / dB	Efficiency / %
2400	-1.96	3.53	63.68
2411	-2.04	3.38	62.52
2422	-2.2	3.22	60.26
2433	-2.09	3.32	61.8
2444	-2.2	3.27	60.26
2455	-1.72	3.83	67.3
2466	-1.82	3.77	65.77
2477	-1.67	3.87	68.08
2488	-1.78	3.84	66.37
2499	-1.76	3.85	66.68

3.2.2.1 Darkroom 2D、3D Raditation Pattern

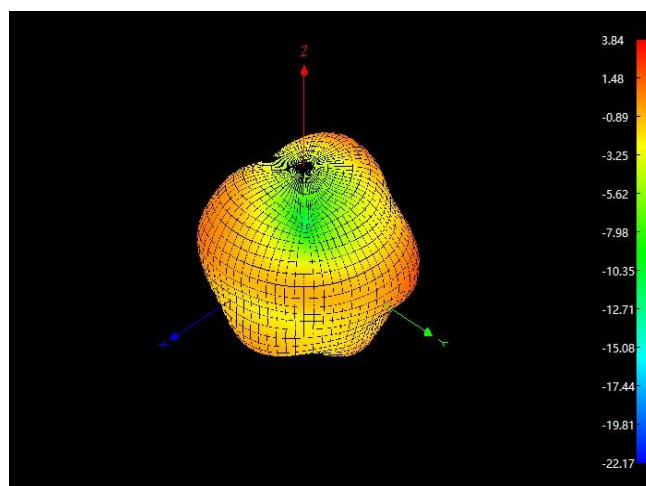




2400MHz 3D



2450MHz 3D



2500MHz 3D