

# Antenna test Report

## VSW08

SKYLIGHT ENGINEER DEPT			
APPROVAL BY	DRAWN BY	DATE	Version
Simon	Louis jiang	2023.08.08	V02

- 1** Instrumentation Performance
- 2** Antenna Performance{VSW08 Antenna}
- 3** conclusion

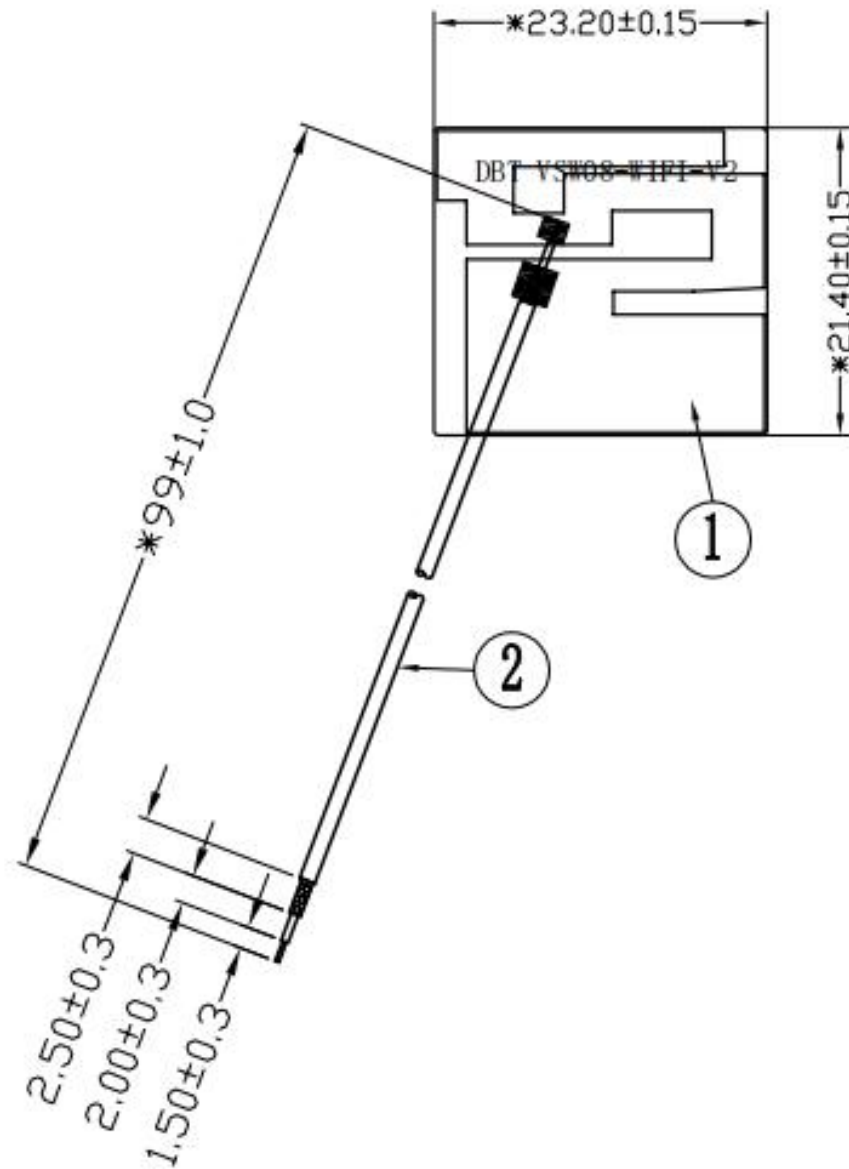


# SPEC--WiFi



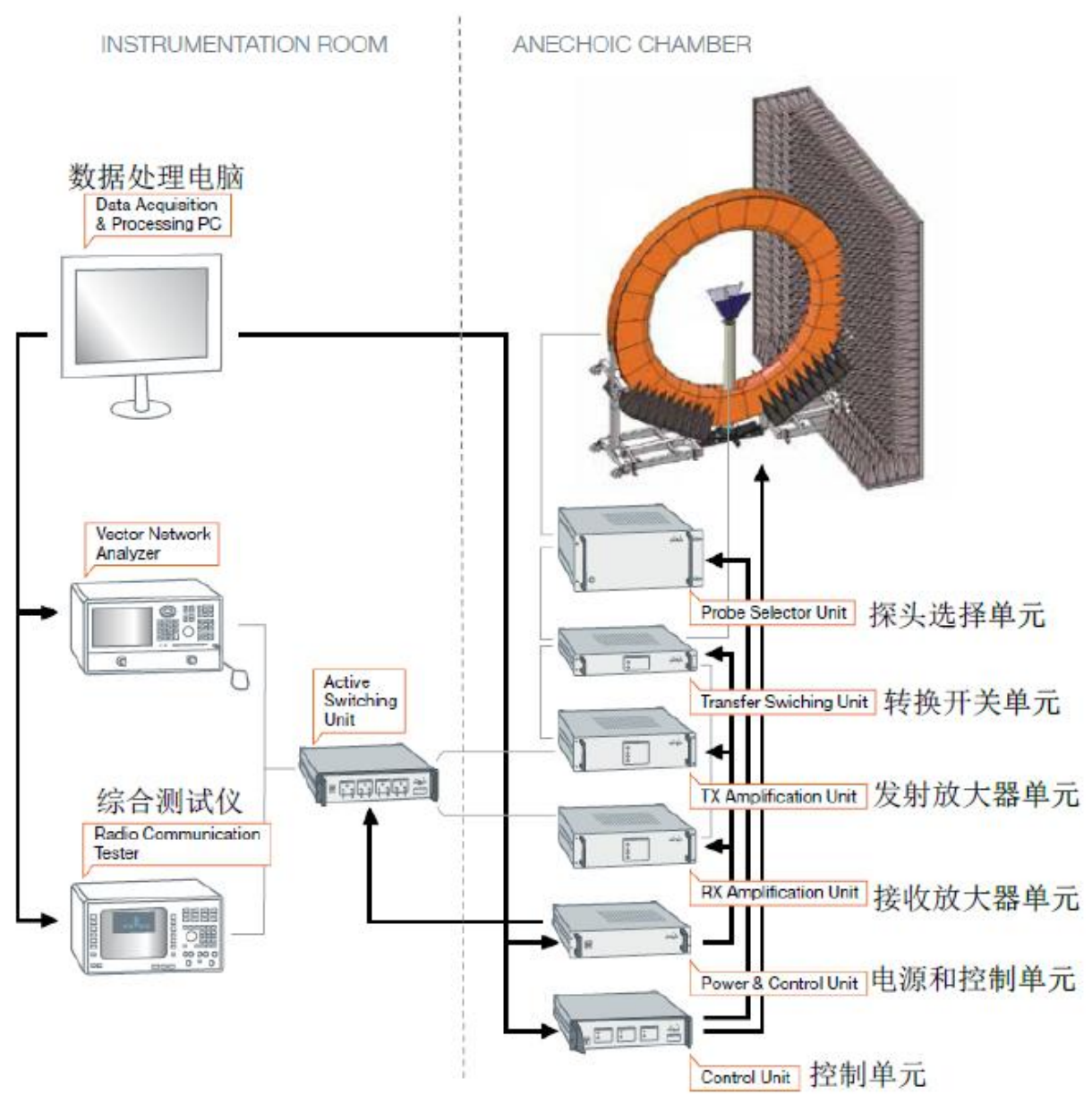
ITEM	ANTENNA SPEC					
Model Name	VSW08--WiFi					
Frequency & Gain	2400MHz	2420MHz	2440MHz	2460MHz	2480MHz	2500MHz
	1.75	1.85	1.80	1.36	0.84	0.50
Peak Gain(dBi)	1.85					
Average Gain(dB)	1.35					
Impedance	50 $\Omega$					
Cable Size	99.1mm/ $\phi$ 1.13					
Cable manufacture	Fujian Microwave Communication Technology Co., Ltd					
Antenna Size	23.2*21.4 ( mm )					
Ant-Manufacture	Sky Light Electronic (ShenZhen) Limited					
VSWR	< 2.0					
Return Loss (dB)	<-10					

# Antenna Size--WiFi

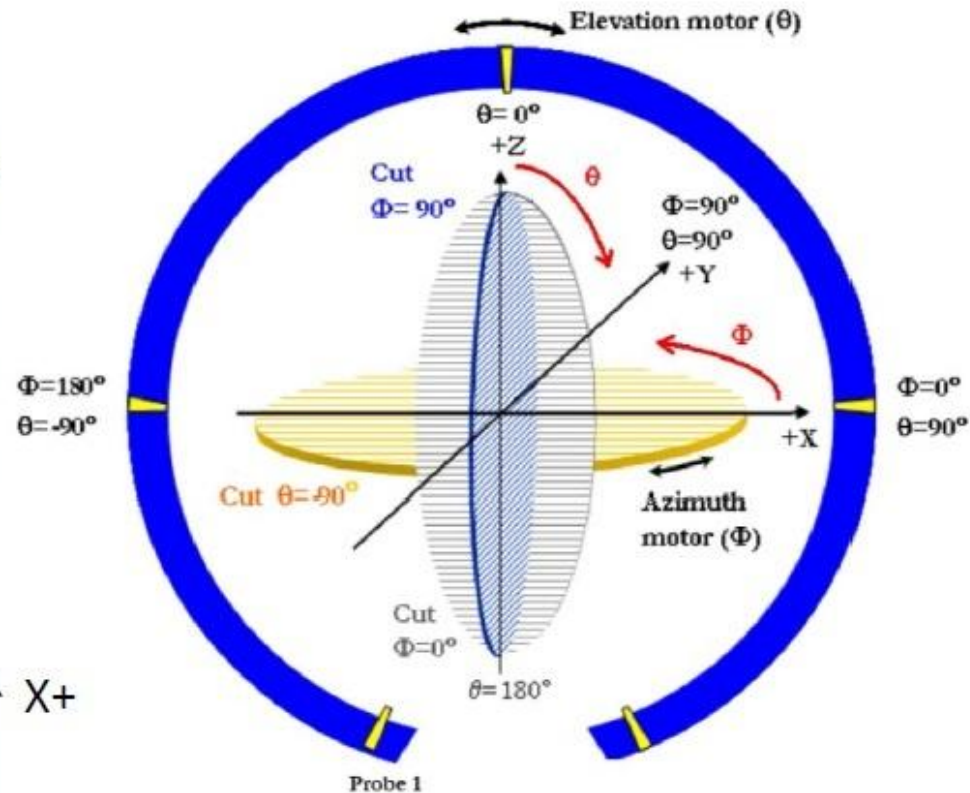
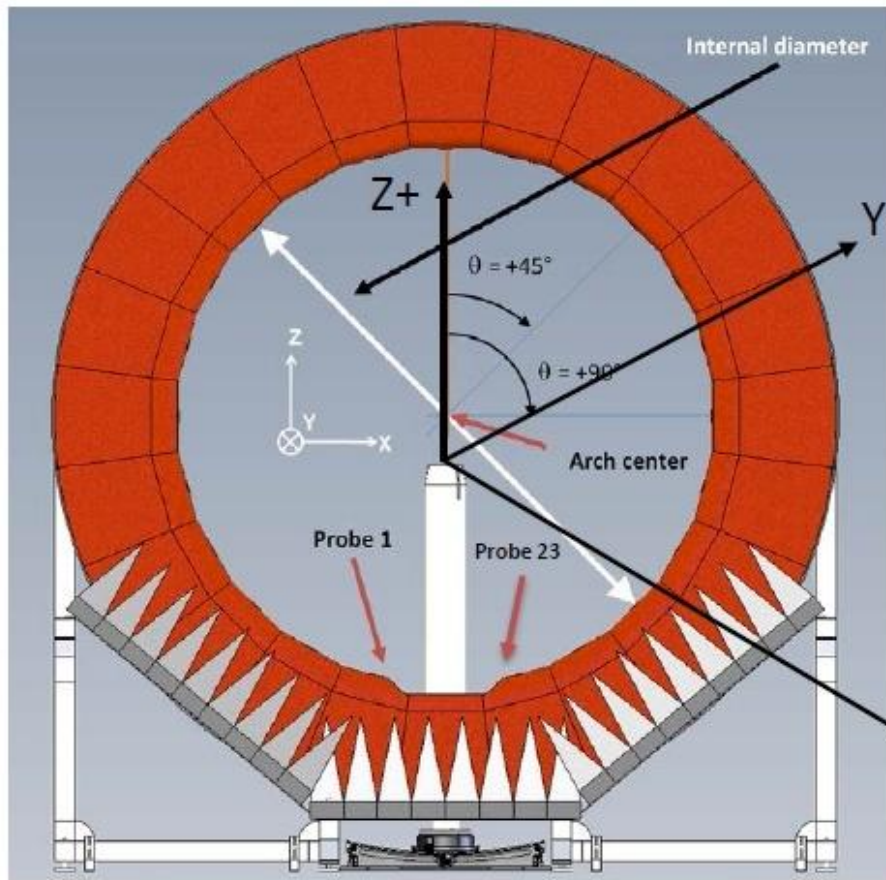




# Instrumentation Performance



# Instrumentation Performance





# VSW08 in the Lab



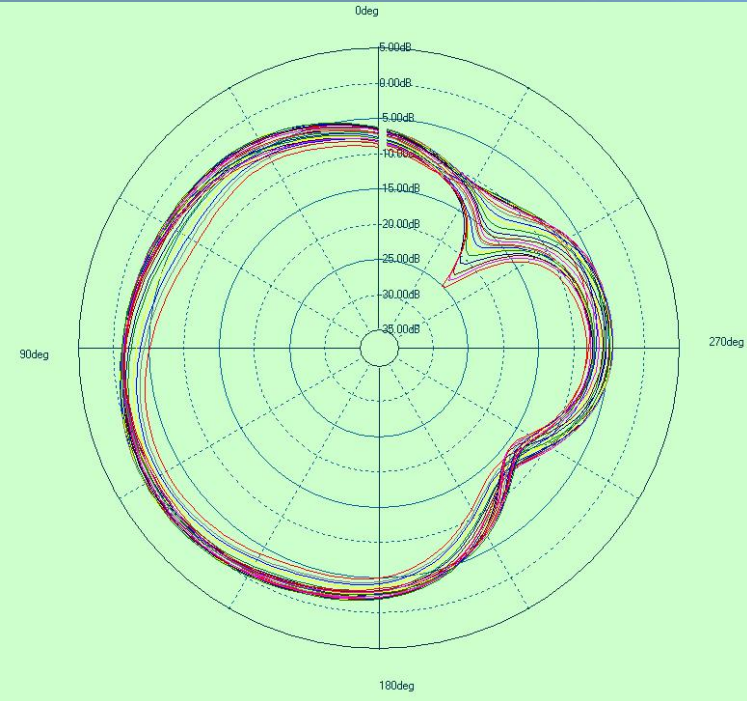
# Performance of VKU01(S11)



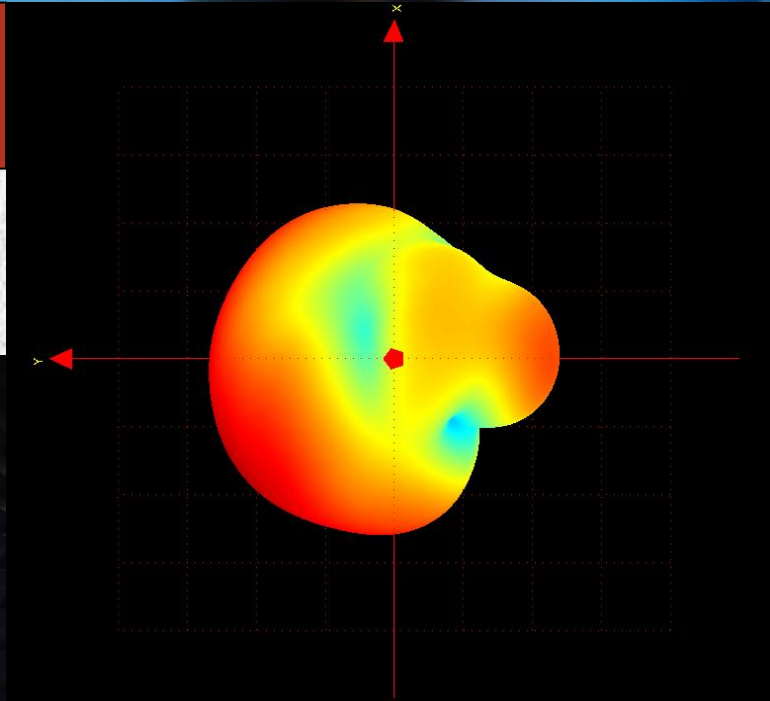
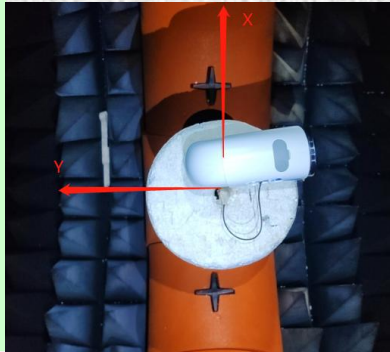


# Performance of VSW08-2.4G

## 2D&3D sectional view

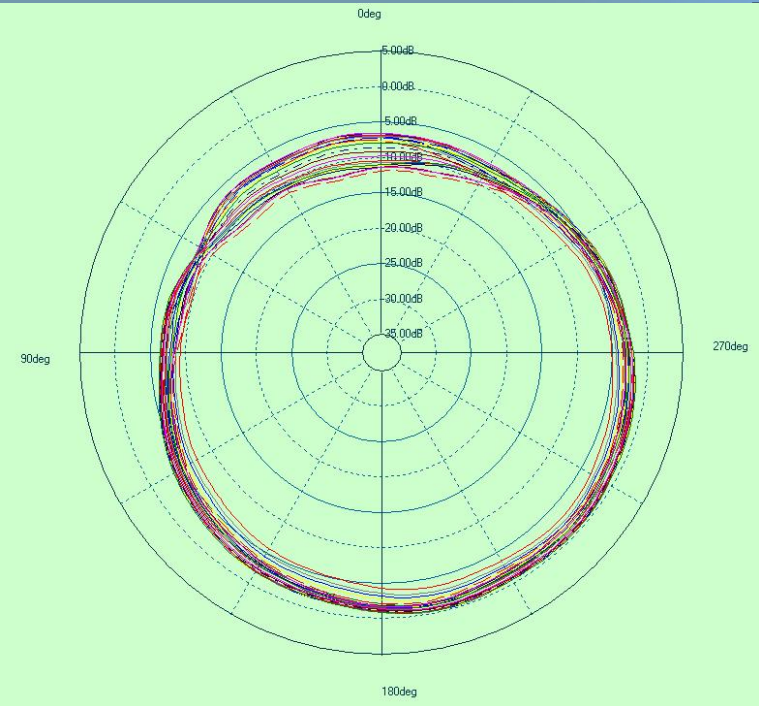


XY Plane  
at 2.4GHz

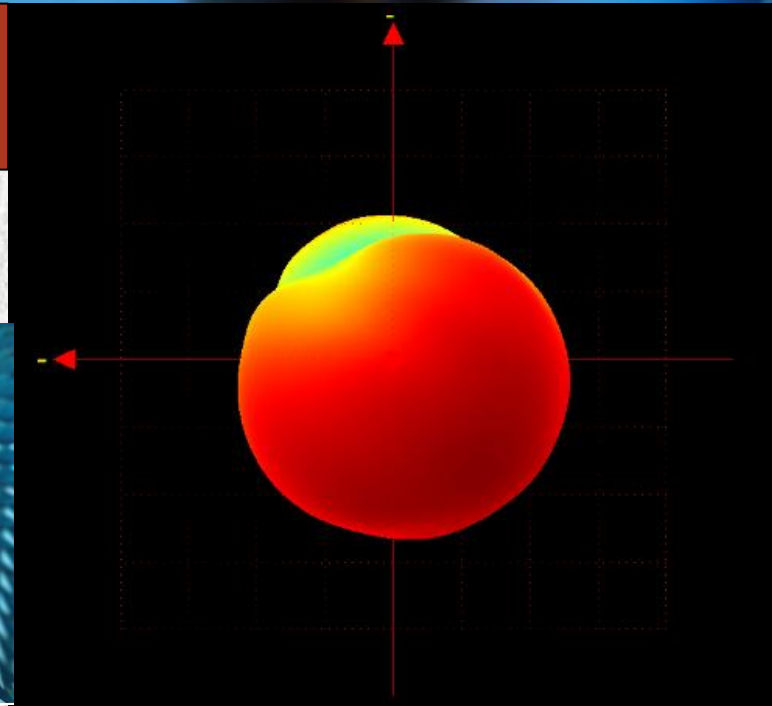
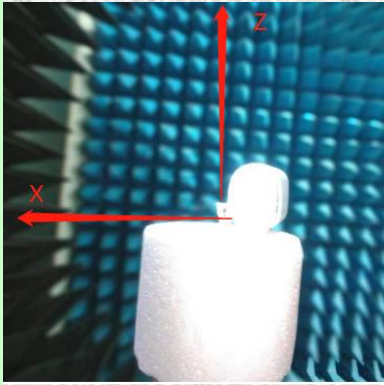


# Performance of VSW08-2.4G

## 2D&3D sectional view



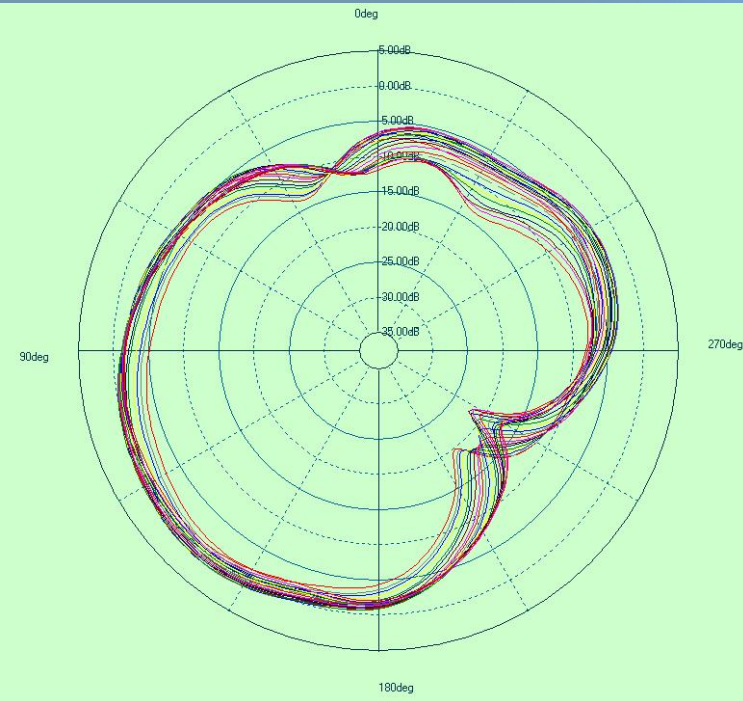
XZ Plane  
at 2.4GHz



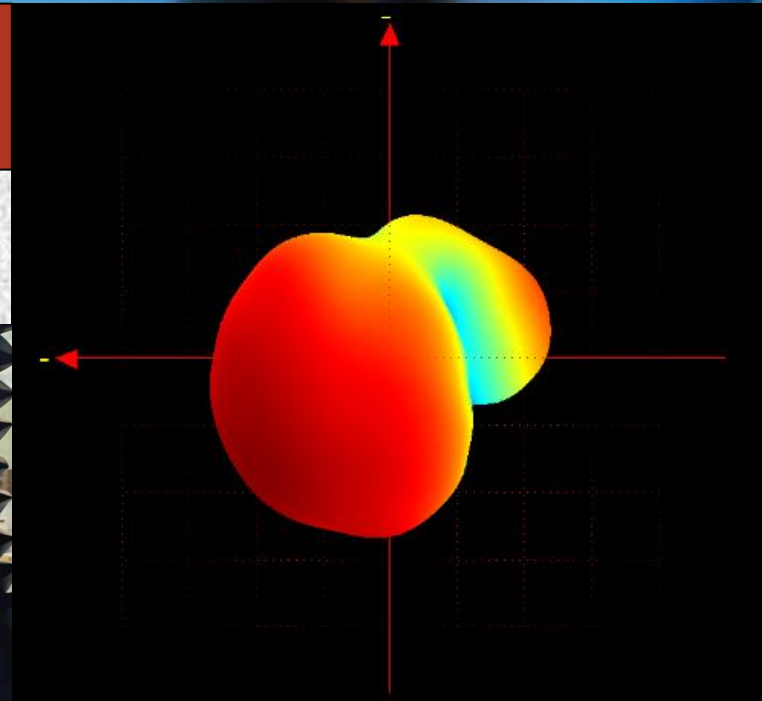
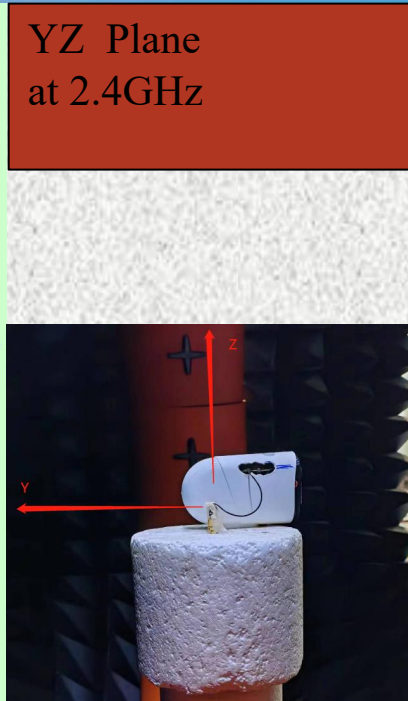


# Performance of VSW08-2.4G

## 2D&3D sectional view



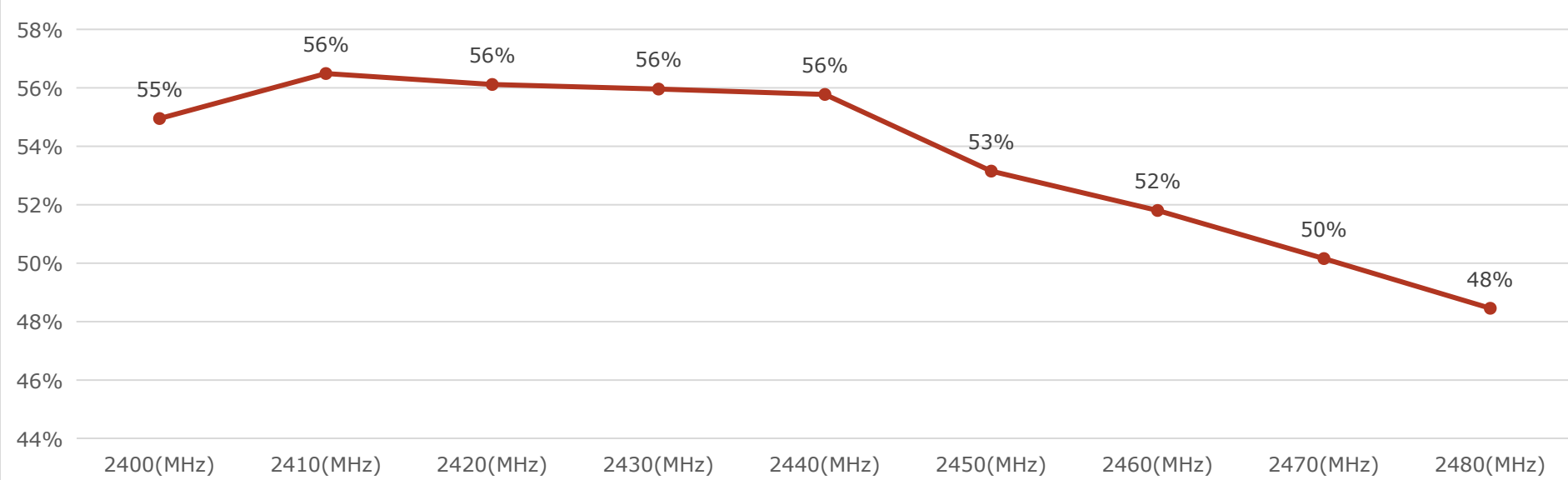
YZ Plane  
at 2.4GHz



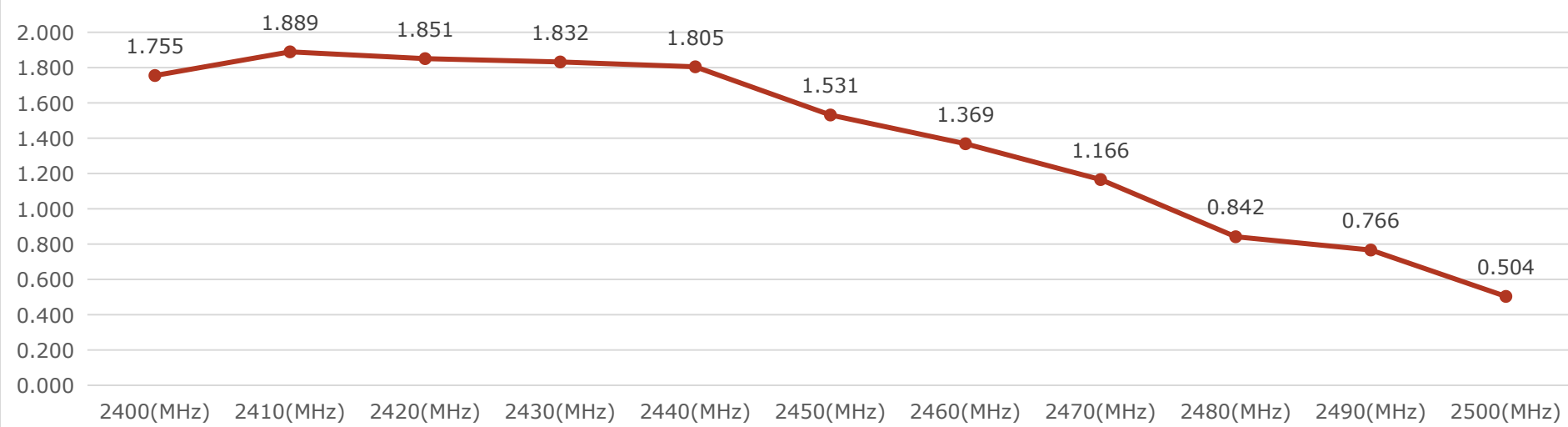
# Performance of VKU01



## Efficiency of VSW08



## Gain of VSW08





# Thank You !

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SKY LIGHT Electronic (Shen Zhen) Limited      Version: 01

Website: <http://www.skylight.com.hk>      (TEL) 86-755-27511234