

Antenna test Report

VSW10

SKYLIGHT ENGINEER DEPT		
DRAWN BY	DATE	Version
Louis jiang	2024.11.1	V00

Content



1

Instrumentation Performance

2

Antenna Performance{VSW11 Antenna}

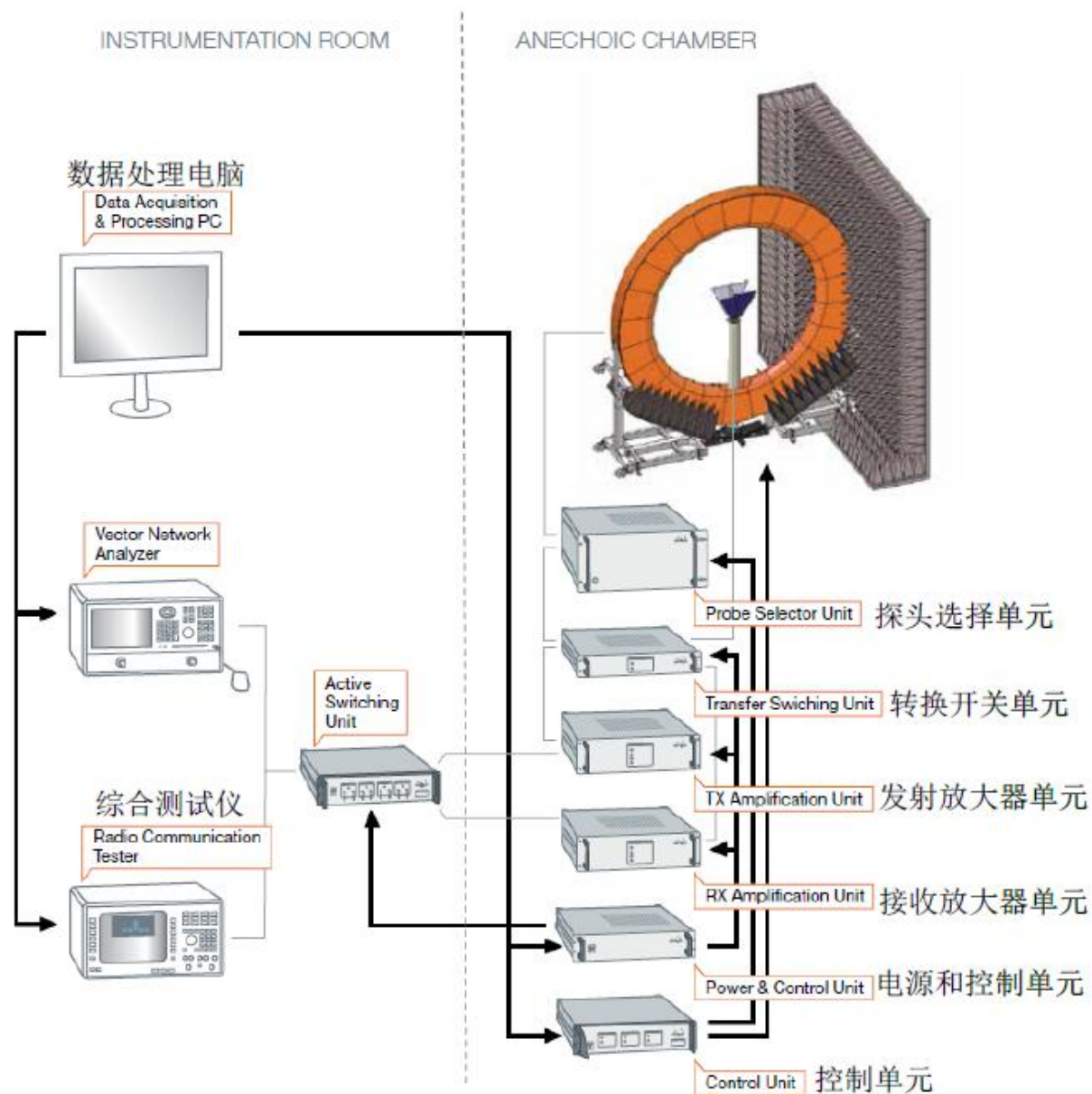
3

conclusion

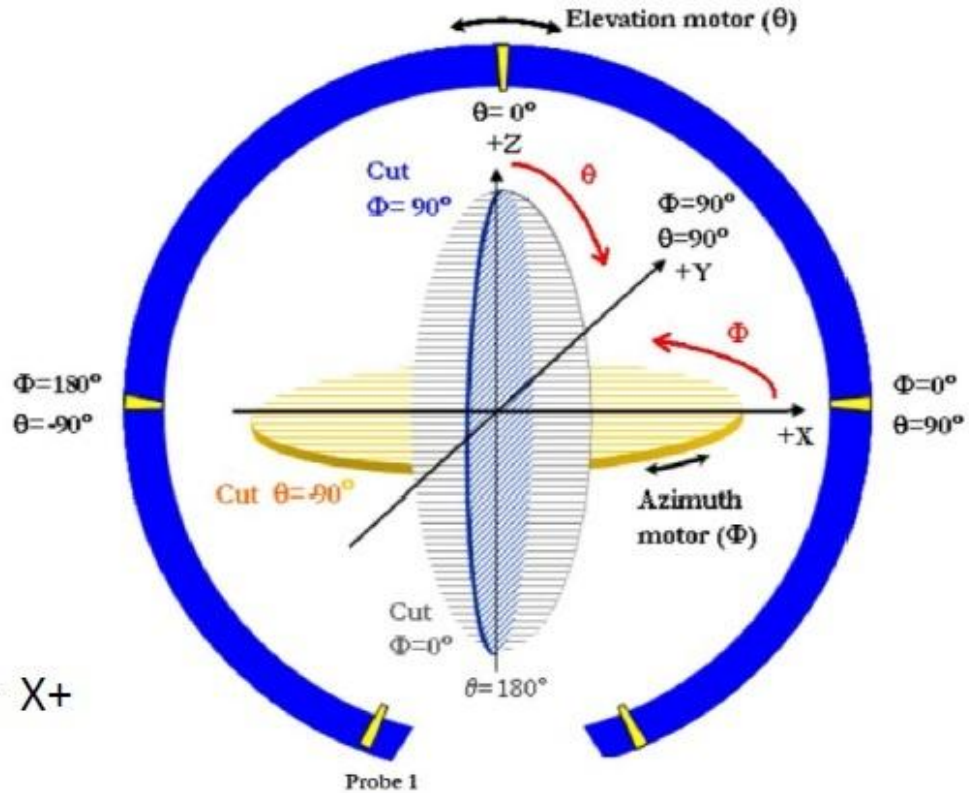
SPEC--WiFi



ITEM	ANTENNA SPEC				
Model Name	VSW10--WiFi				
Frequency & Gain(dBi)	2400MHz	2420MHz	2440MHz	2460MHz	2480MHz
	0.58	-0.14	-0.26	0.13	0.64
Peak Gain(dBi)	0.64				
Average Gain(dBi)	0.19				
Impedance	50 Ω				
Antenna Size	12.5*17 (mm)				
Manufacture	Sky Light Electronic (ShenZhen) Limited				
VSWR	< 2.0				
Antenna Type	metal				
Return Loss (dB)	<-10				
Efficiency	> 40% (Built-in antenna)				



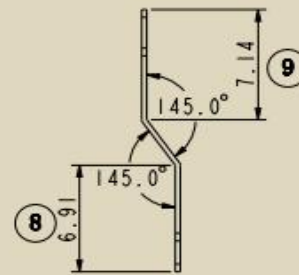
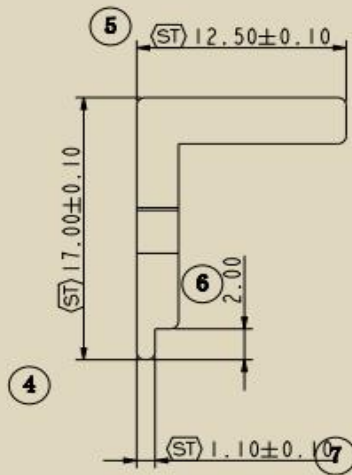
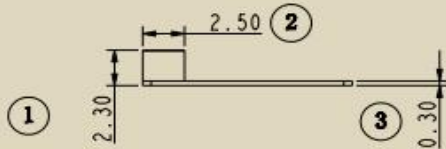
SKYSLIGHT



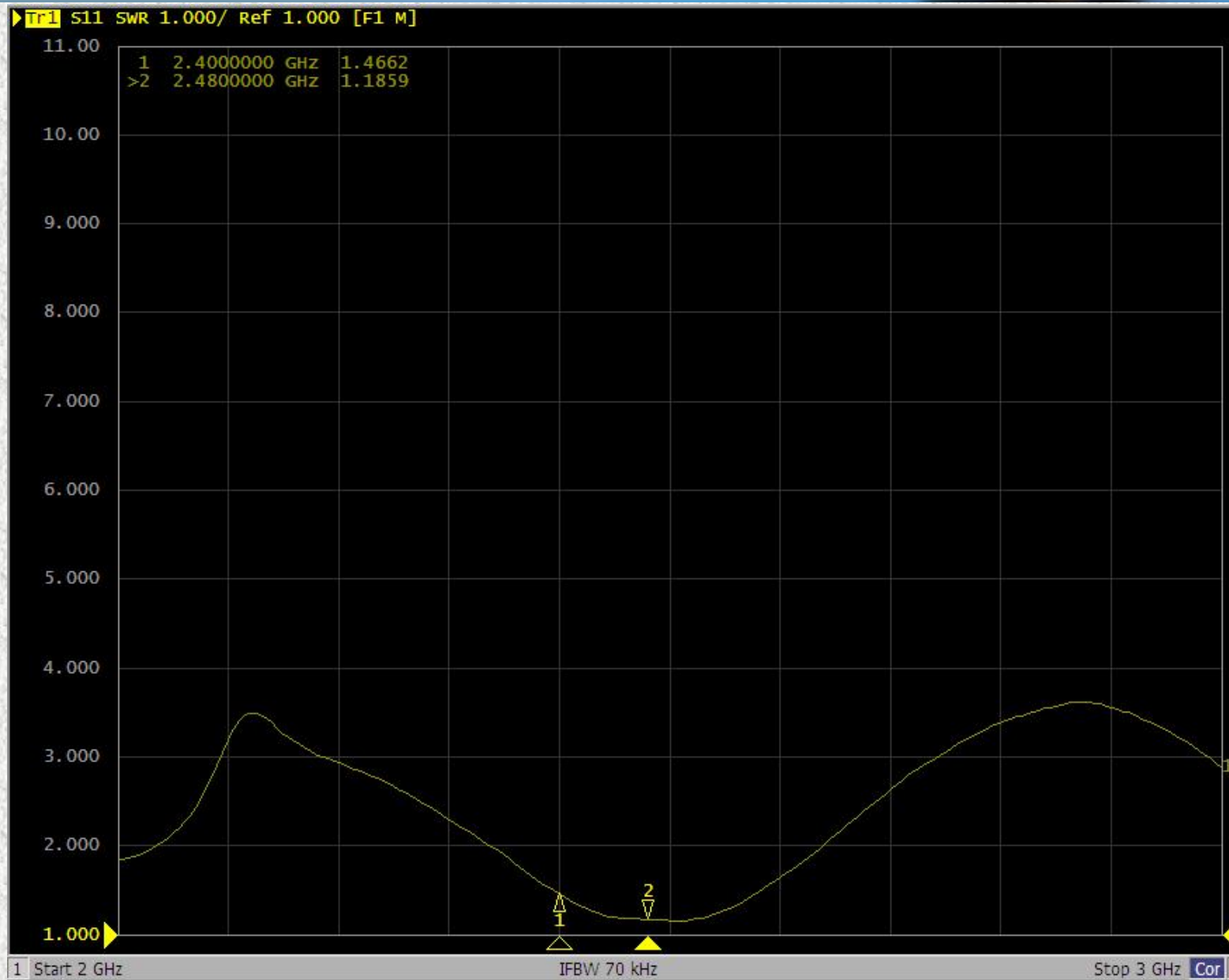
VSW11 in the lab



Antenna Size--WiFi

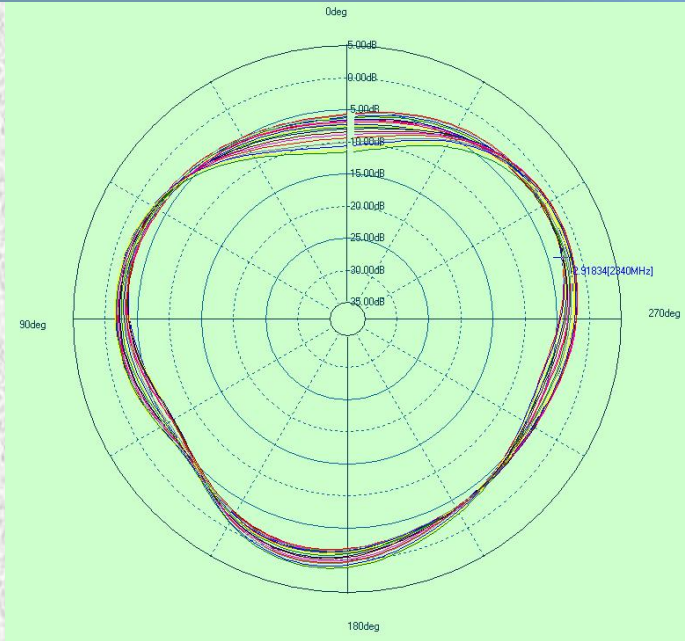


S11 Performance

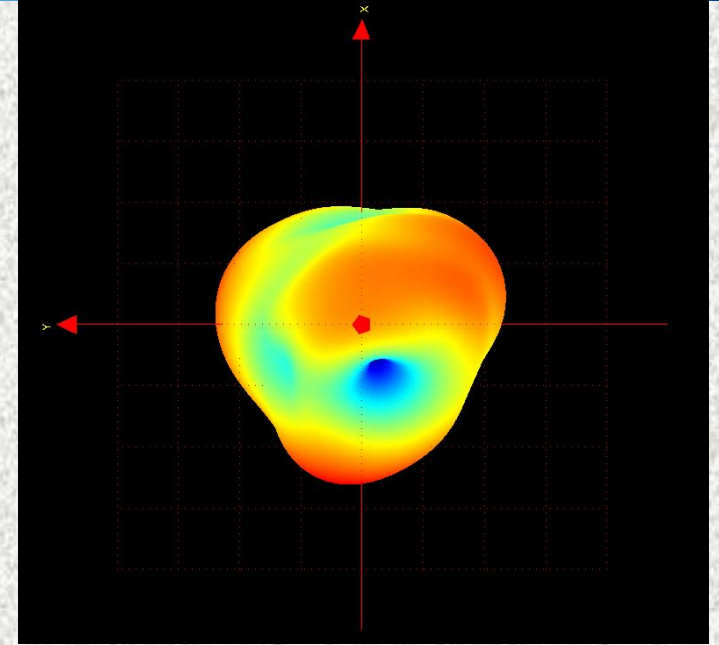


Performance of VSW11-2.4G

2D&3D sectional view

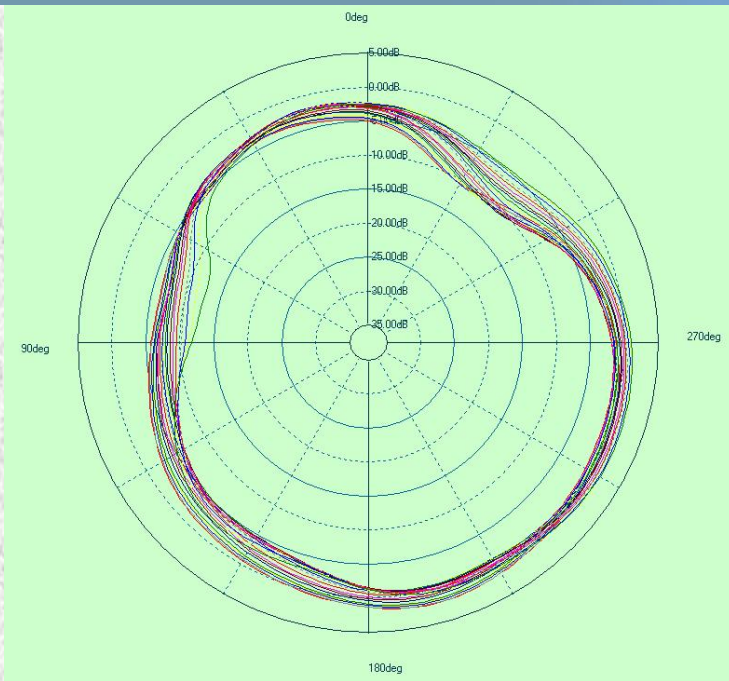


XY Plane
at 2.4GHz

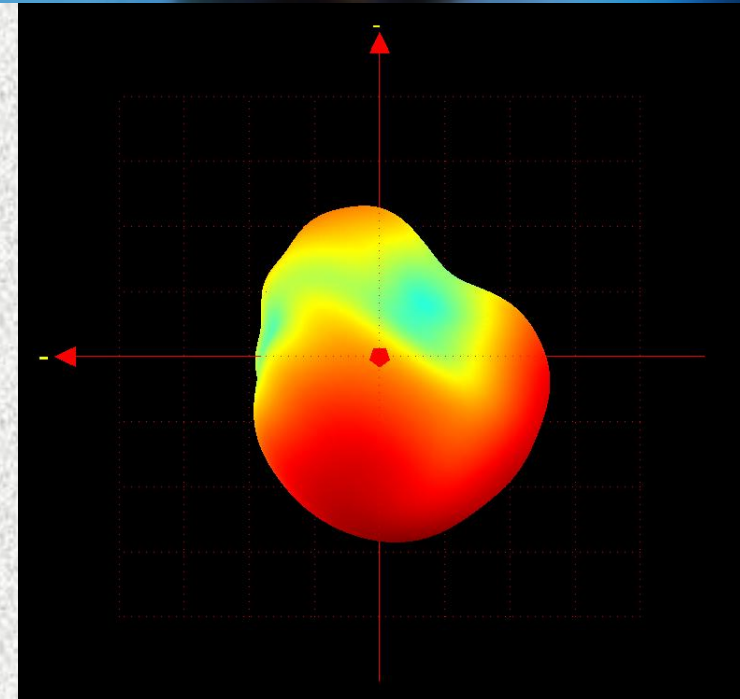


Performance of VSW11-2.4G

2D&3D sectional view

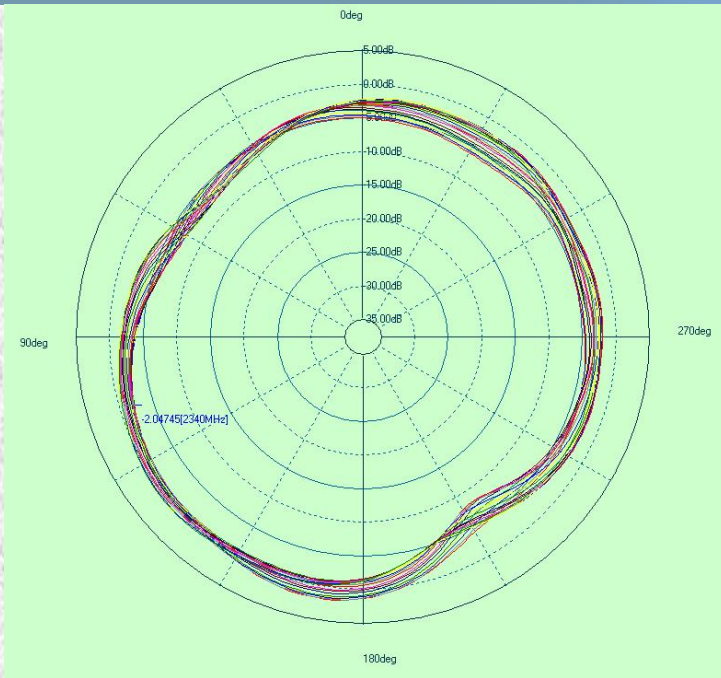


XZ Plane
at 2.4GHz

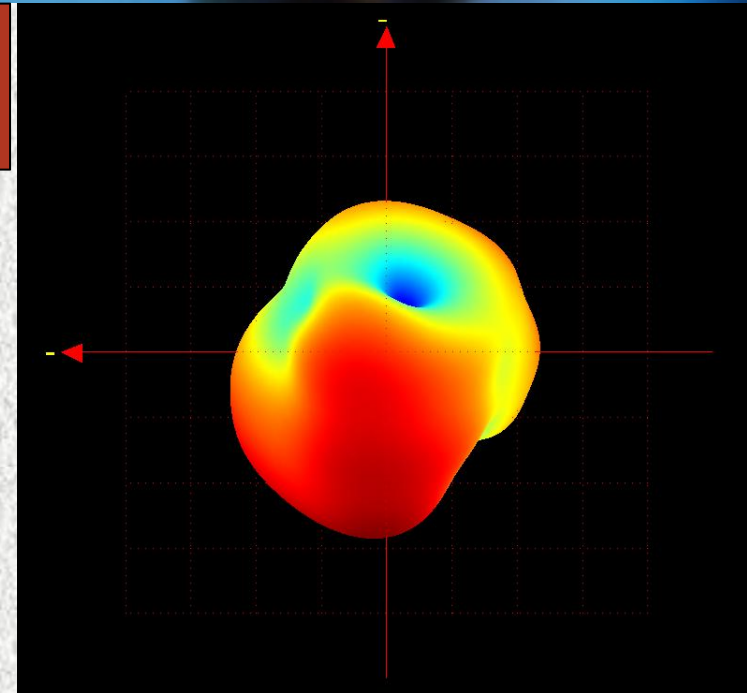


Performance of VSW11-2.4G

2D&3D sectional view



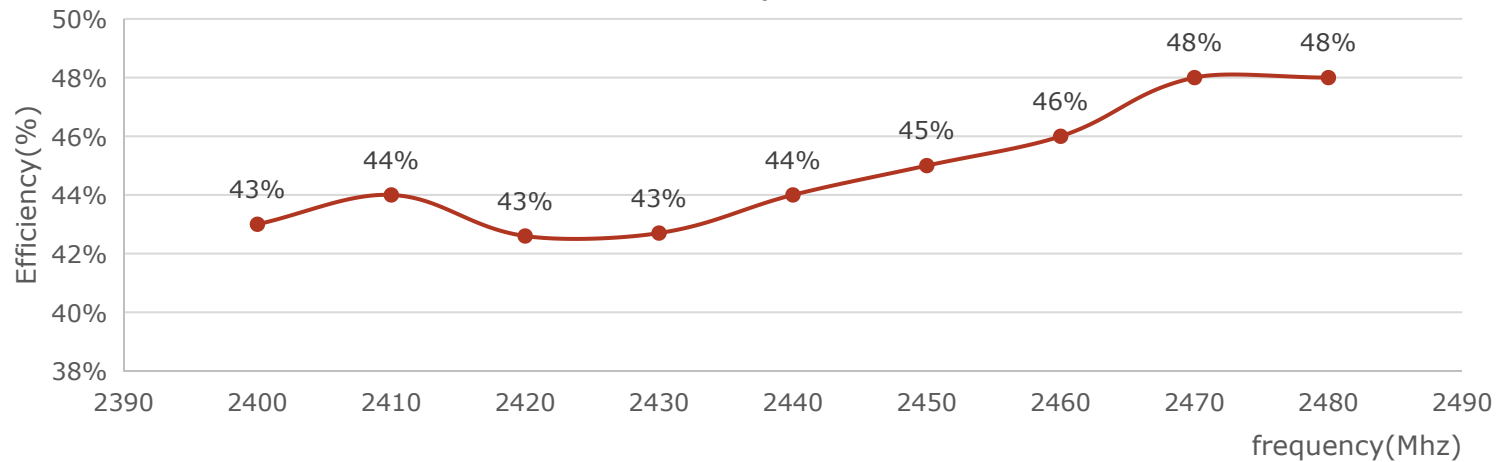
YZ Plane
at 2.4GHz



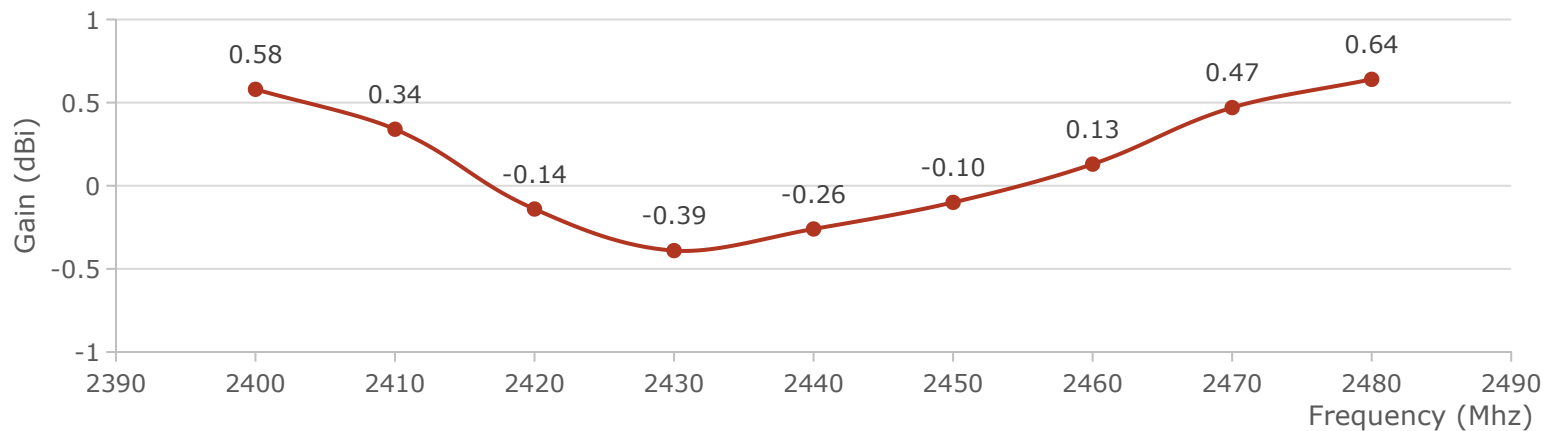
Performance of VSW10



Efficiency of VSW10



Gain of VSW10



Performance of VSW10



Frequency (Mhz)	Efficiency (%)	Gain (dBi)
2400MHz	43%	0.58
2410MHz	44%	0.34
2420MHz	43%	-0.14
2430MHz	43%	-0.39
2440MHz	44%	-0.26
2450MHz	45%	-0.1
2460MHz	46%	0.13
2470MHz	48%	0.47
2480MHz	48%	0.64

Thank You !

www.sky-light.com.hk

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