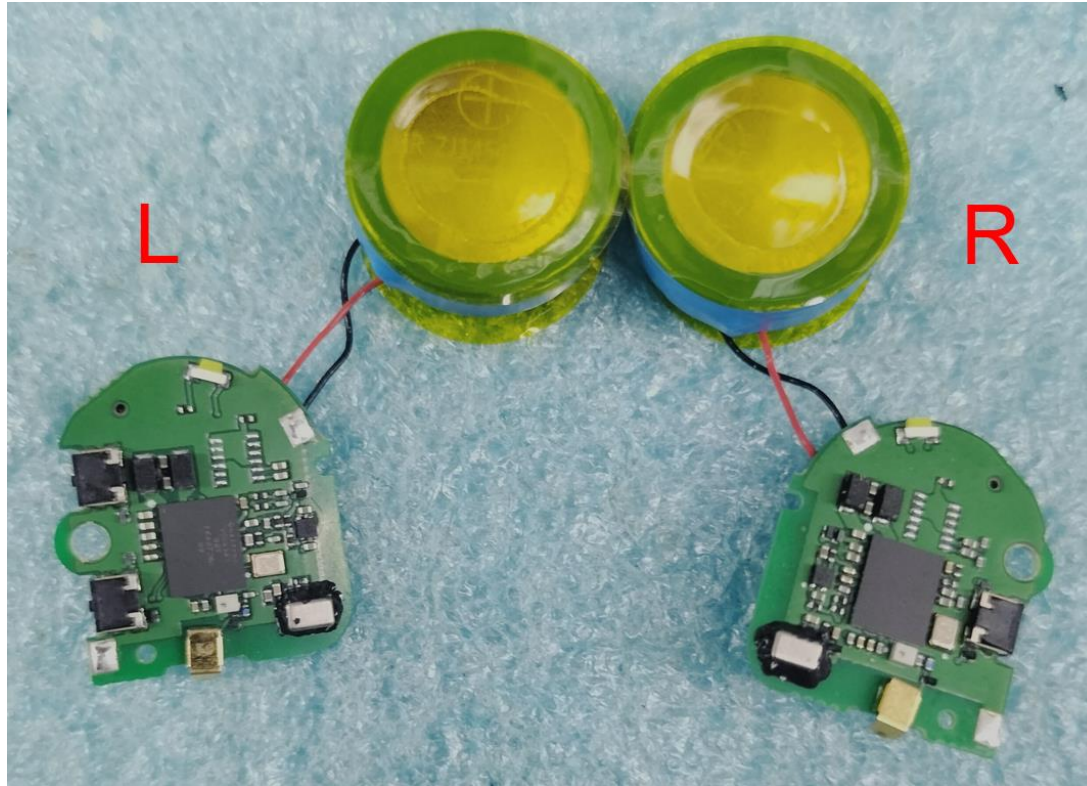


# MW09 Antenna spec for SGS

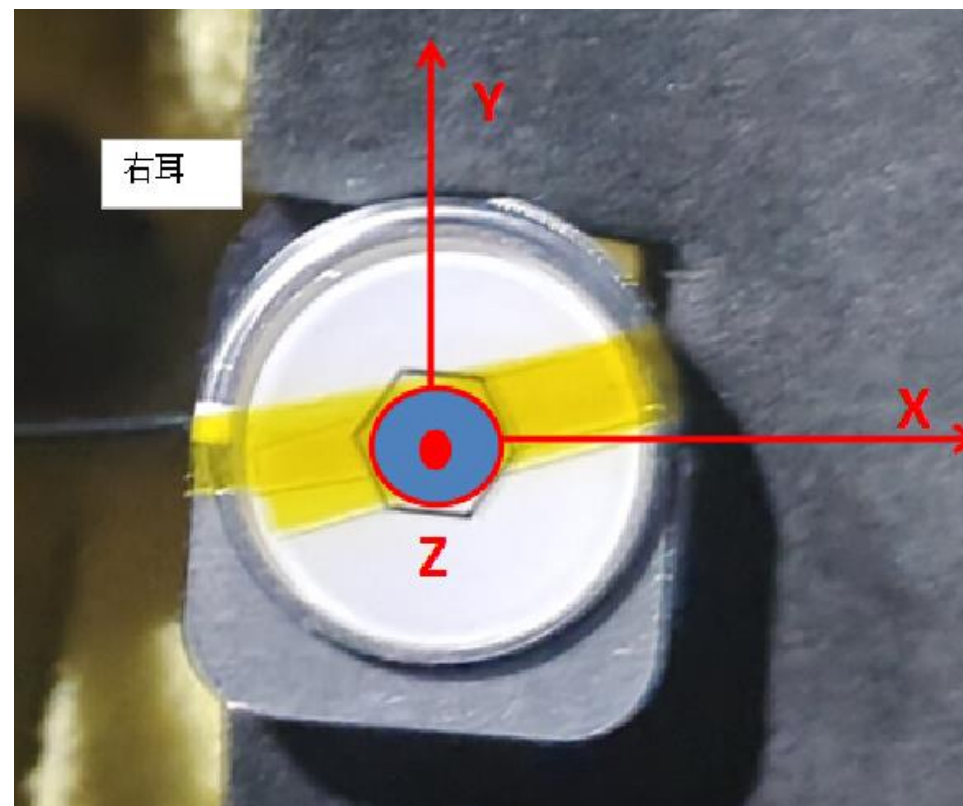
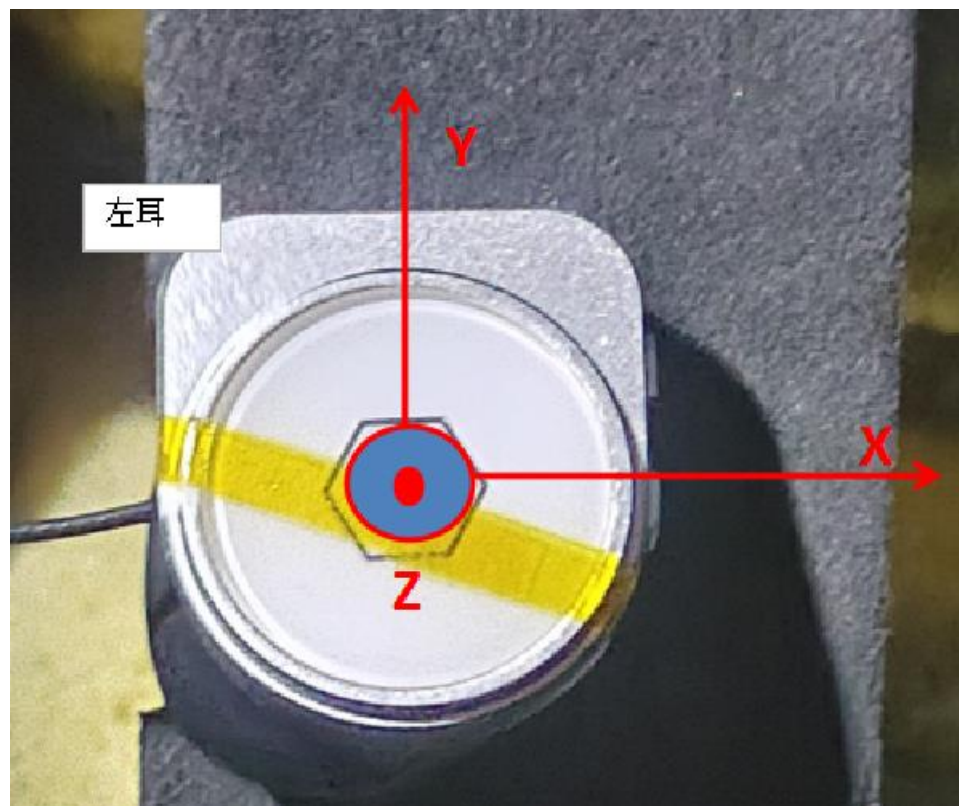
Antenna's manufacturer/Test lab: Shenzhen StrongPower Communication Co.,Ltd.

Antenna type: Monopole

Model: MW09



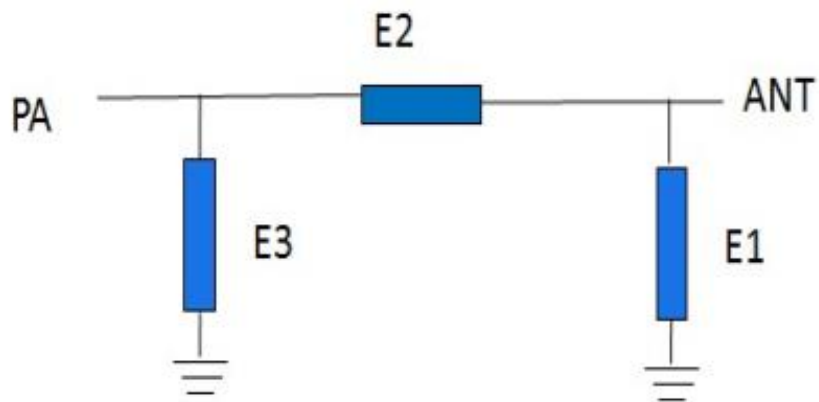
# Orientation



# Matching circuit

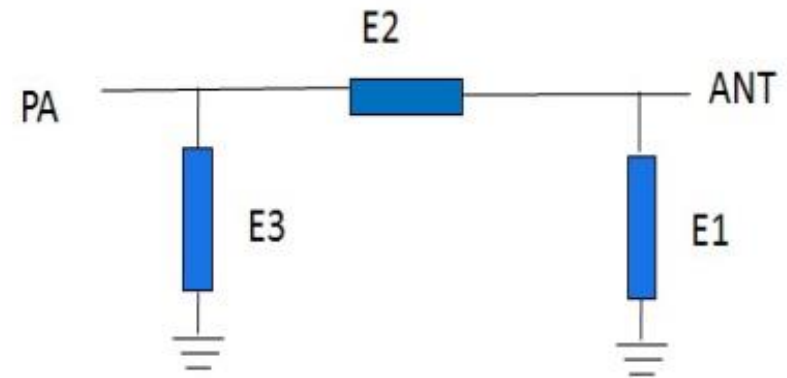
L

左耳匹配	E1	E2	E3
Value	ESD	1.8NH	1.5PF



R

右耳匹配	E1	E2	E3
Value	ESD	1NH	2.4PF

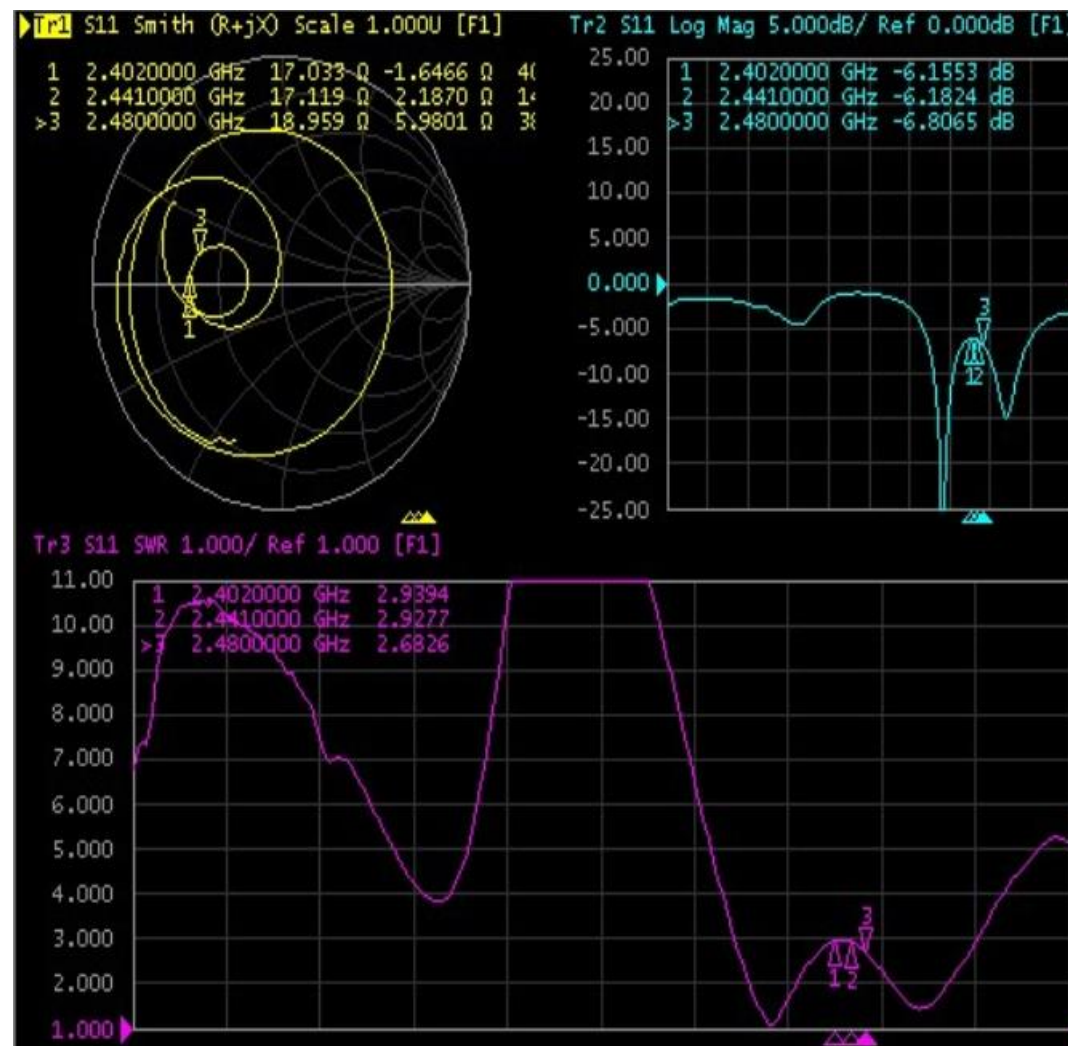


# S parameter

L



R



# Efficiency

L

Passive efficiency

Freq(MHz)	Eff%	eff(dB)	Gain(dBi)
2400	17.07%	-7.68	-2.60
2410	17.10%	-7.67	-2.56
2420	16.93%	-7.71	-2.57
2430	16.61%	-7.80	-2.59
2440	15.79%	-8.02	-2.80
2450	15.41%	-8.12	-2.91
2460	14.88%	-8.27	-3.10
2470	13.97%	-8.55	-3.39
2480	13.70%	-8.63	-3.48
平均值	15.72%	-8.05	-2.89

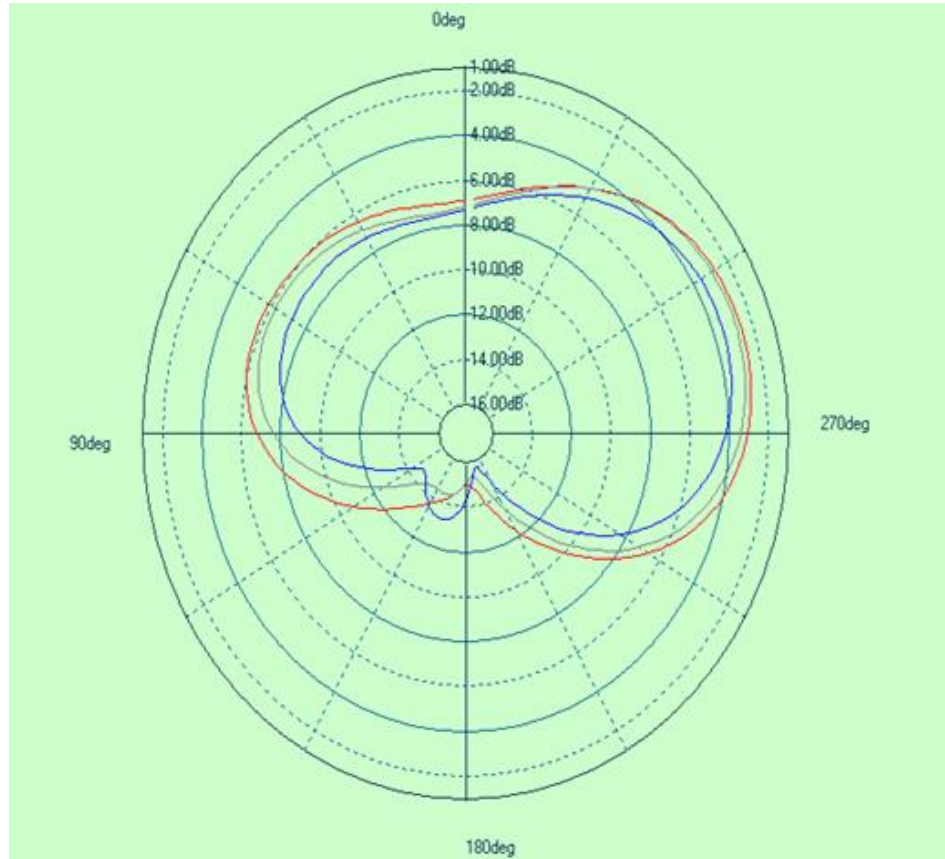
R

Passive efficiency

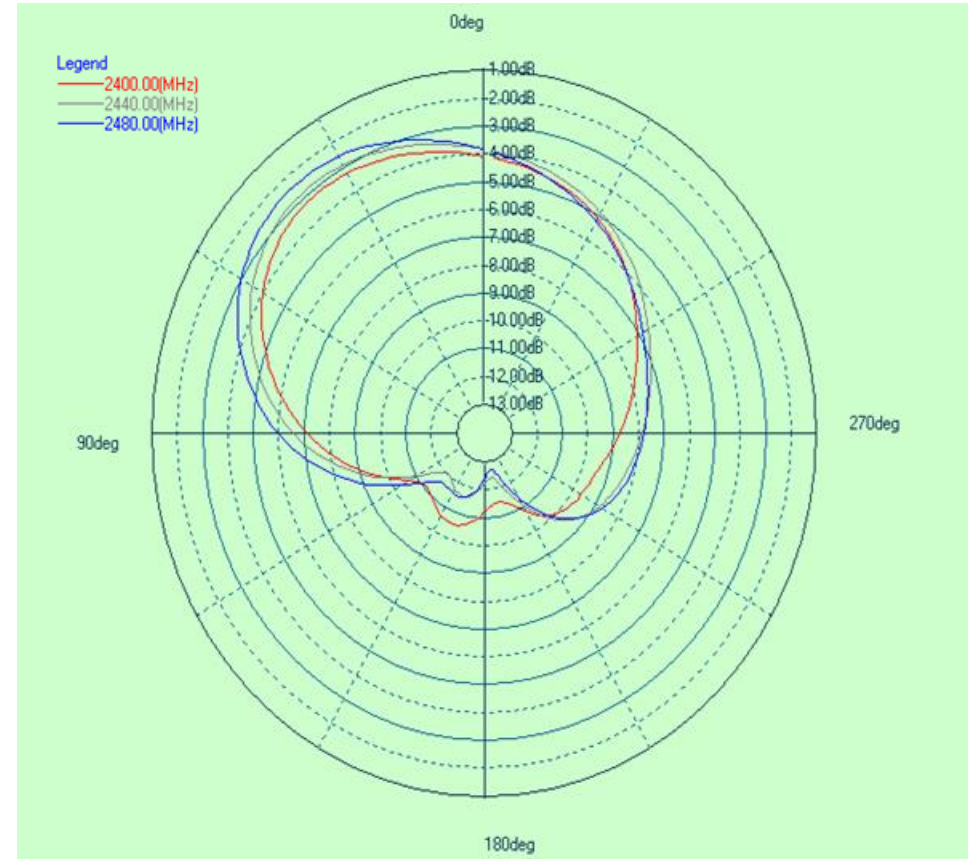
Freq(MHz)	Eff%	eff(dB)	Gain(dBi)
2400	14.88%	-8.27	-2.04
2410	15.51%	-8.09	-1.79
2420	15.79%	-8.02	-1.76
2430	16.50%	-7.82	-1.68
2440	17.00%	-7.69	-1.59
2450	17.56%	-7.55	-1.43
2460	18.03%	-7.44	-1.25
2470	18.18%	-7.40	-1.17
2480	18.50%	-7.33	-1.15
Avg	16.88%	-7.74	-1.54

# Radiation pattern Theta=90.00deg (XY plane)

L

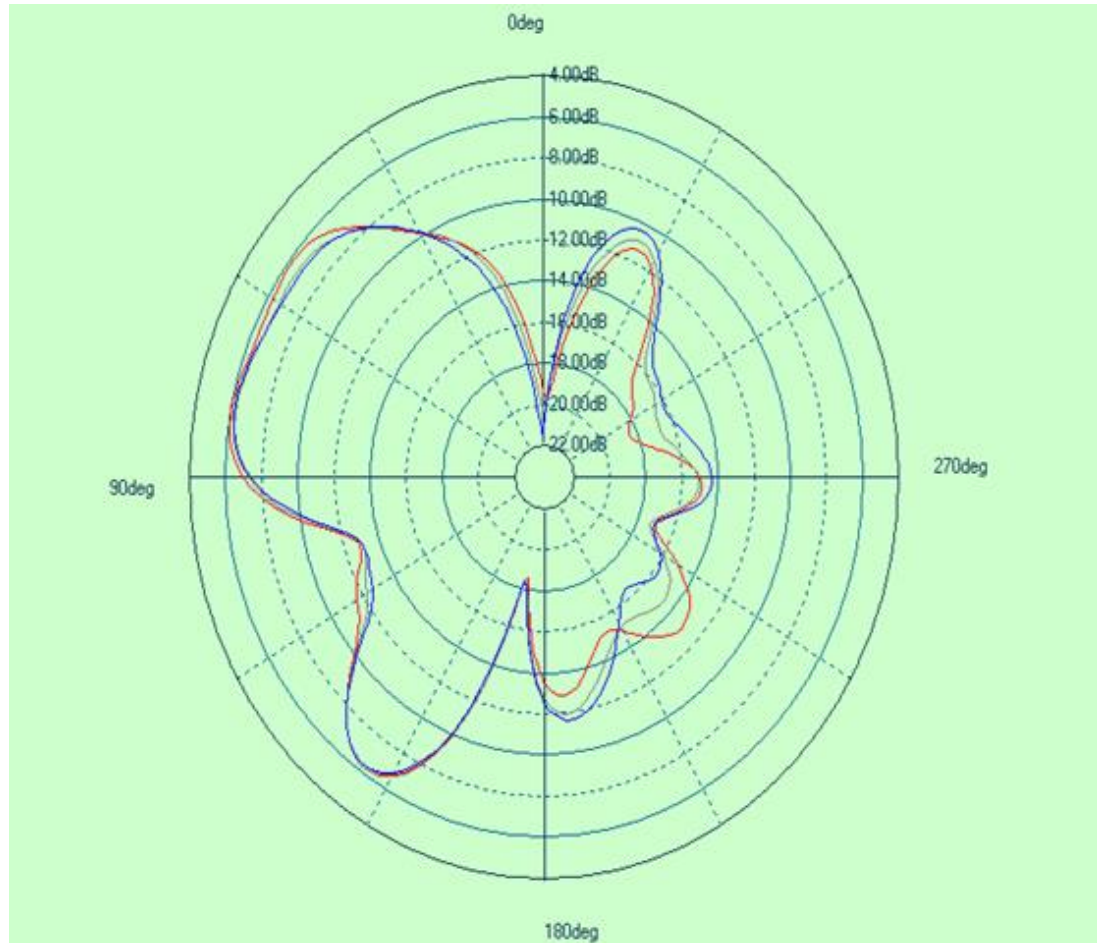


R

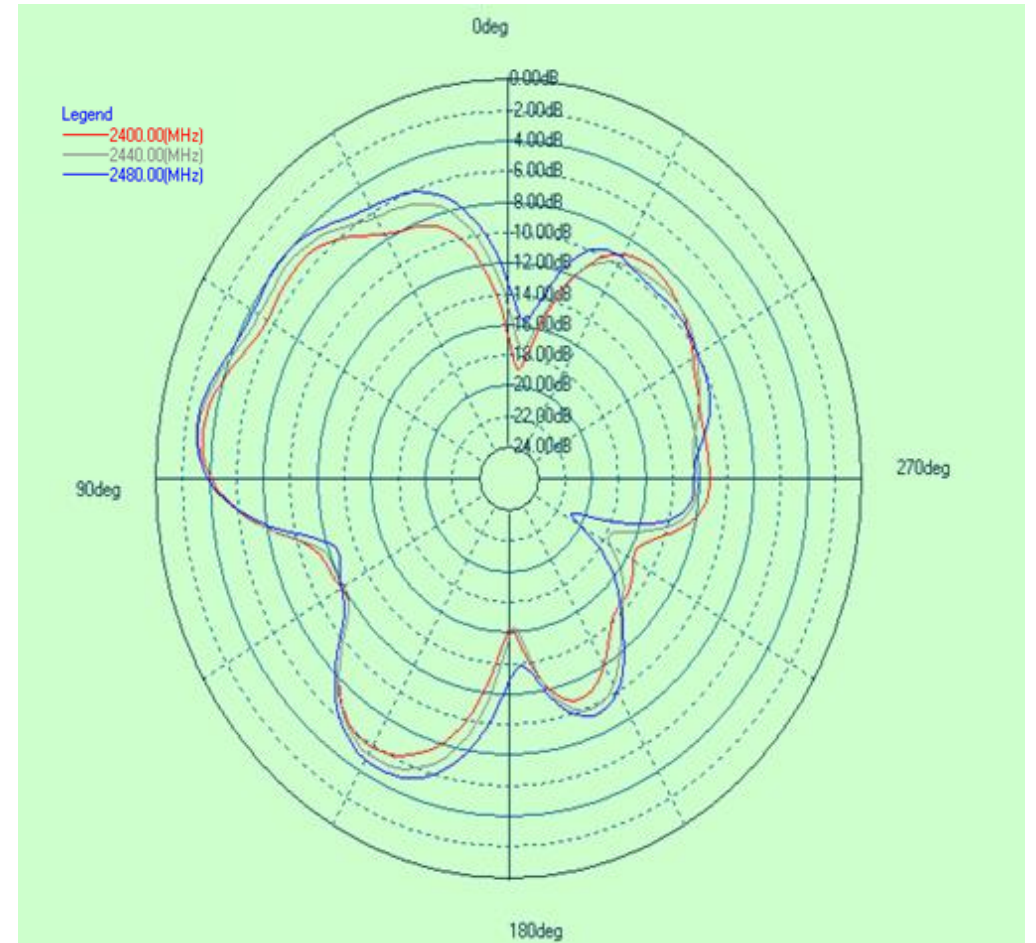


# Radiation pattern phi=0.00deg (XZ plane)

L

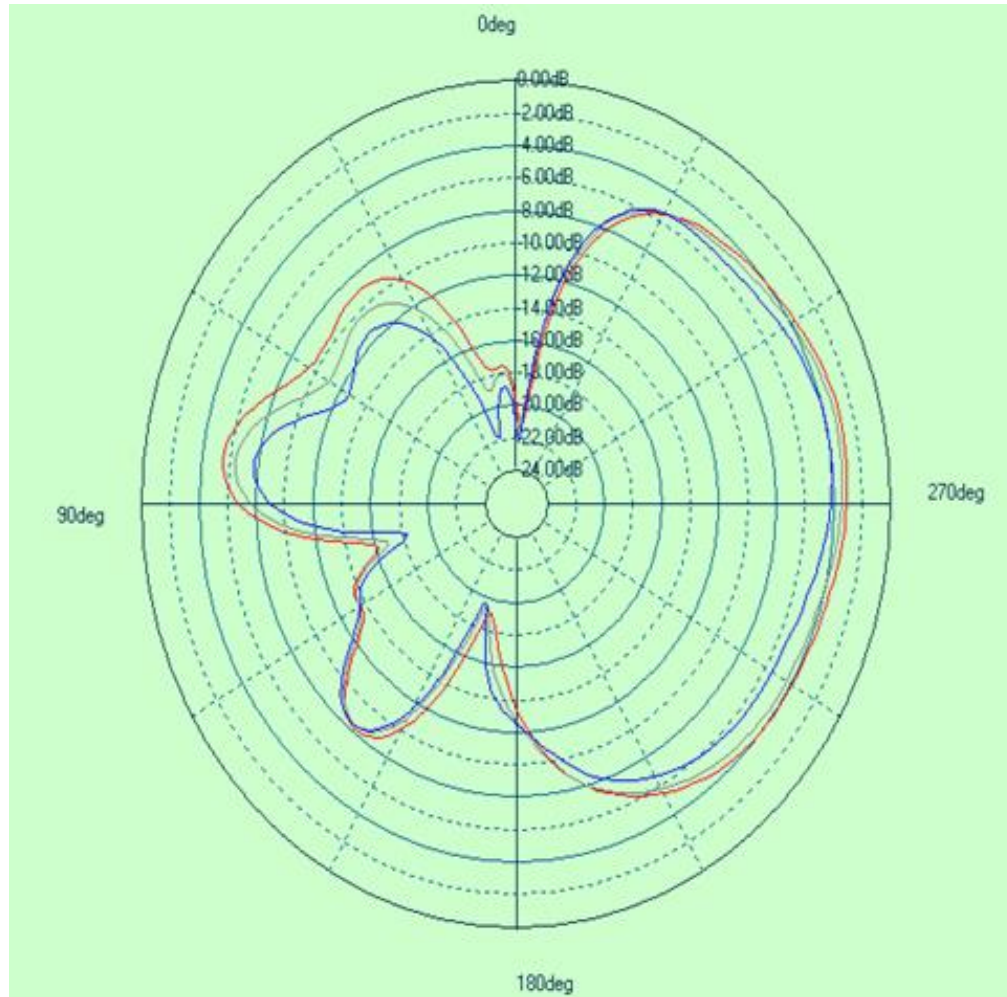


R

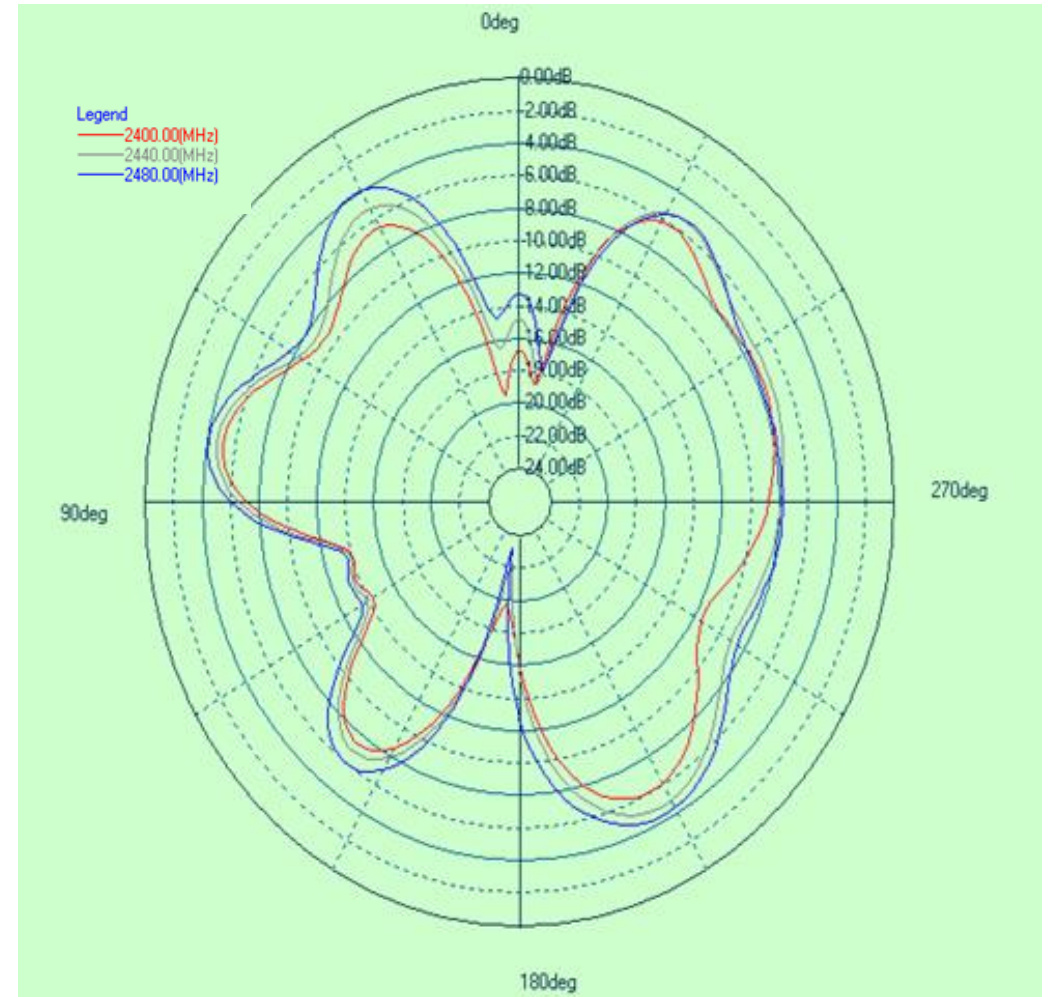


# Radiation pattern $\phi=90.00\text{deg}$ (YZ plane)

L



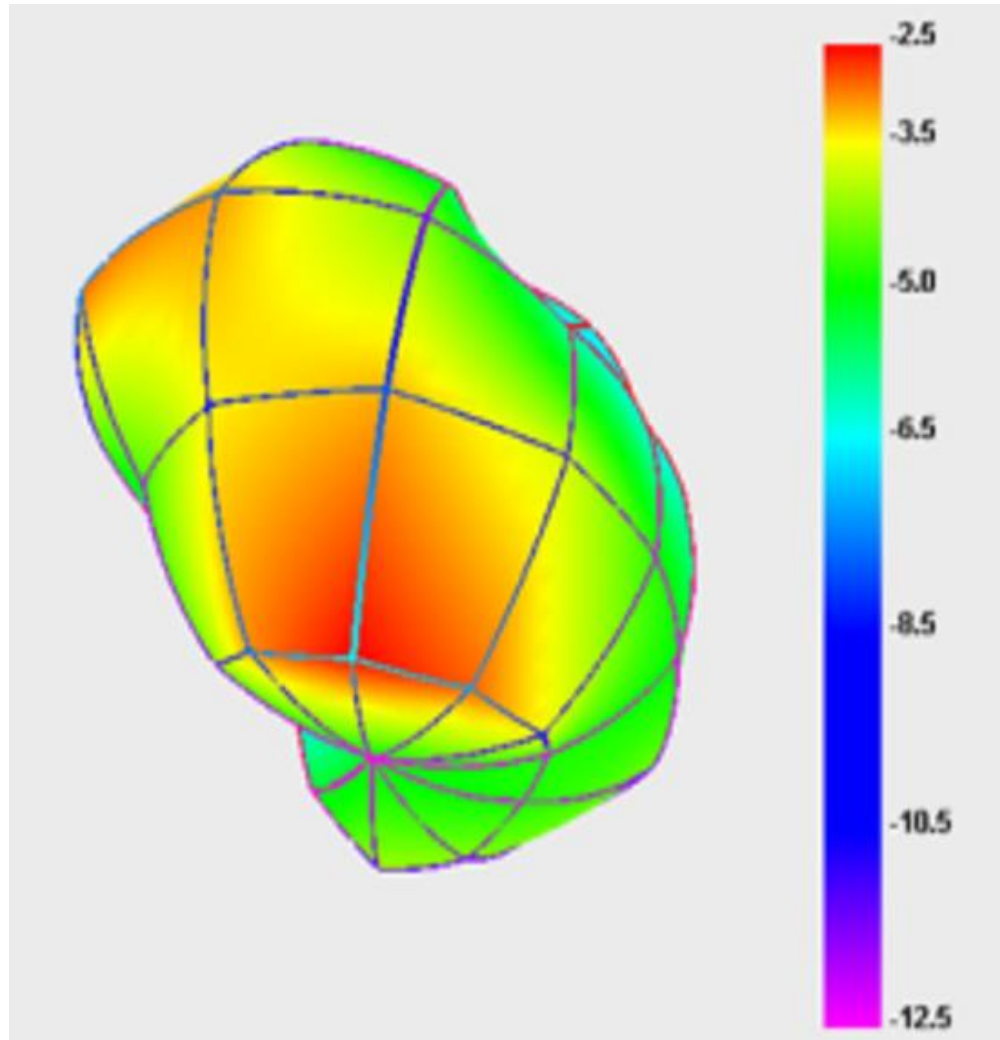
R





# 3D Radiation pattern

L



R

