

Small Sku

Antenna Info.

Wi-Fi	Type	IFA
	Material	FPC
	Model Number	316000310444/ 316000310443
Sub-G	Type	Dipole
	Material	FPC
	Model Number	316000310866
GNSS	Type	IFA
	Material	LDS
	Model Number	3030001107612

Gain table

WiFi

Group	Gain	
	Left	Right
Frequency		
2.4GHz (2400-2480MHz)	-3.6 dBi	-1.9 dBi
5GHz Band 1 (5150-5250MHz)	0.91 dBi	0.09 dBi
5GHz Band 2 (5250-5350MHz)	1.01 dBi	0.56 dBi
5GHz Band 3 (5470-5725MHz)	0.82 dBi	-0.31 dBi
5GHz Band 4 (5725-5850MHz)	1.53 dBi	0.43 dBi
6GHz Band 5 (5925-6425MHz)	3.27 dBi	3.01 dBi
6GHz Band 6 (6425-6525MHz)	4.41 dBi	3.45 dBi
6GHz Band 7 (6525-6875MHz)	4.53 dBi	3.7 dBi
6GHz Band 8 (6875-7125MHz)	3.49 dBi	1.79 dBi

Sub-G

Frequency	Gain
Sub G (863-870MHz)	2.43 dBi
Sub G (902-928MHz)	2.8 dBi

Test Environment

Test software:	Sunyield system V2.1.3
Chamber:	Sunyield SY24
Calibration Date	2025.02.17
Location:	Weifang,China
Tester	韩中益
Equipment	Keysight N99918B
Testing Date	2025.03.03
Testing method	Passive test
Manufacturer Company	Goertek
Test picture	

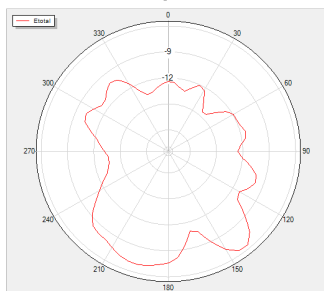
Radiation Pattern

Wi-Fi Radiation Pattern

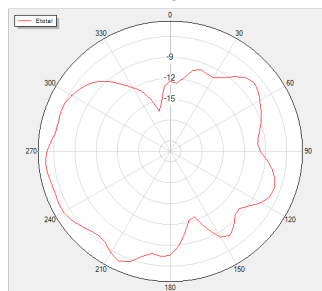
Wi-Fi Left

2.4GHz (2400-2480MHz)

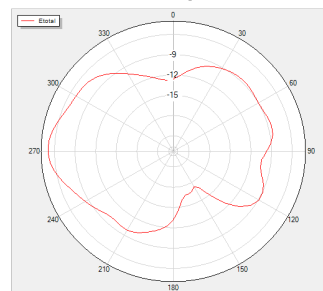
Phi=0 Freq=2400MHz



Phi=90 Freq=2400MHz

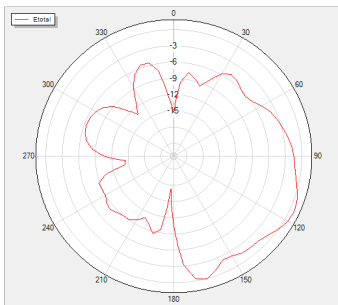


Theta=90 Freq=2400MHz

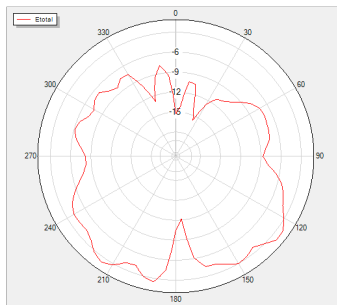


5GHz Band 1 (5150-5250MHz)

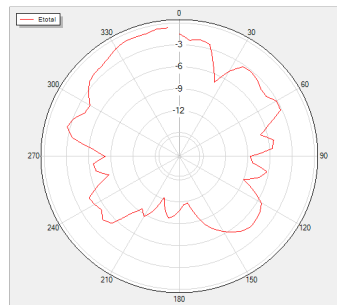
Phi=0 Freq=5220MHz



Phi=90 Freq=5220MHz

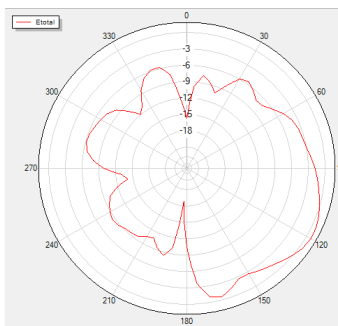


Theta=90 Freq=5220MHz

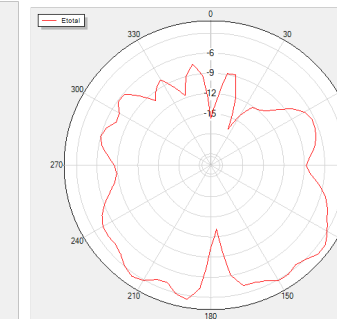


5GHz Band 2 (5250-5350MHz)

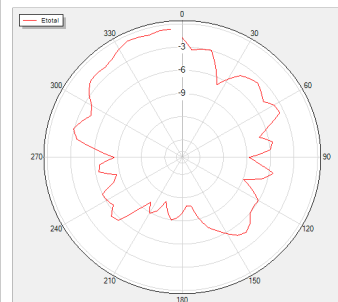
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Phi=90 Freq=5300MHz

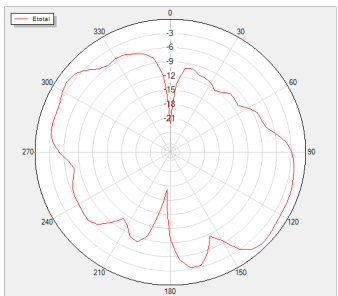


Theta=90 Freq=5300MHz

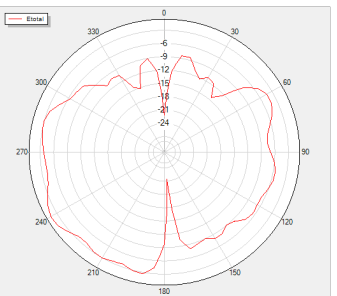


5GHz Band 3 (5470-5725MHz)

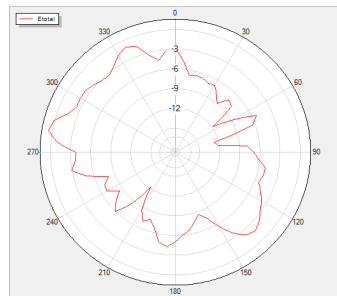
Phi=0 Freq=5720MHz



Phi=90 Freq=5720MHz

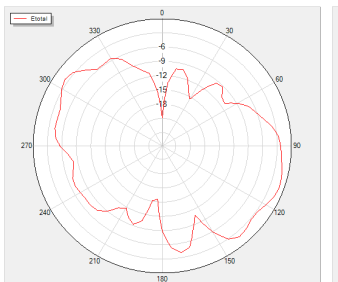


Theta=90 Freq=5720MHz

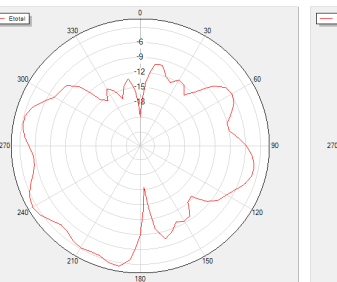


5GHz Band 4 (5725-5850MHz)

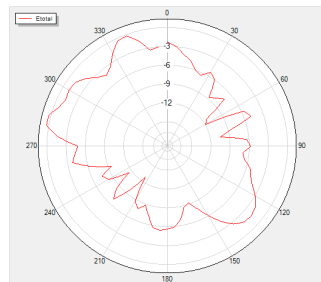
Phi=0 Freq=5860MHz



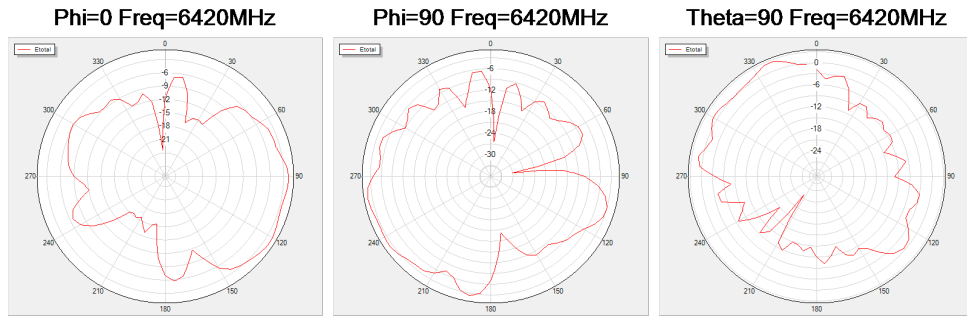
Phi=90 Freq=5860MHz



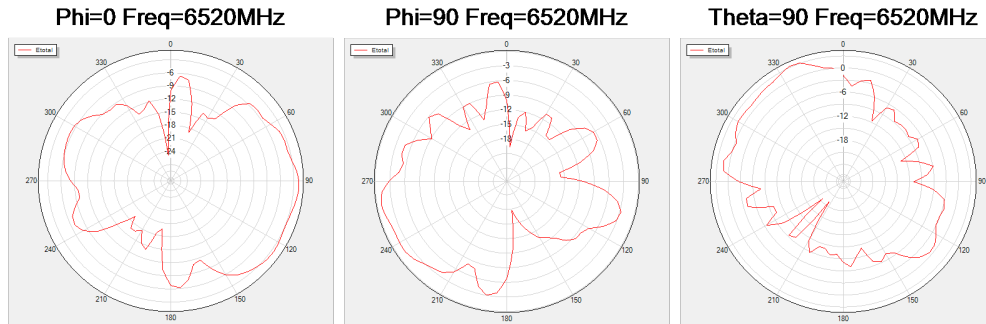
Theta=90 Freq=5860MHz



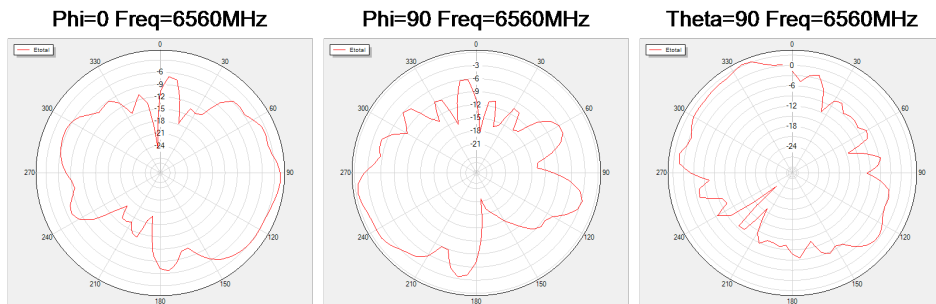
6GHz Band 5 (5925-6425MHz)



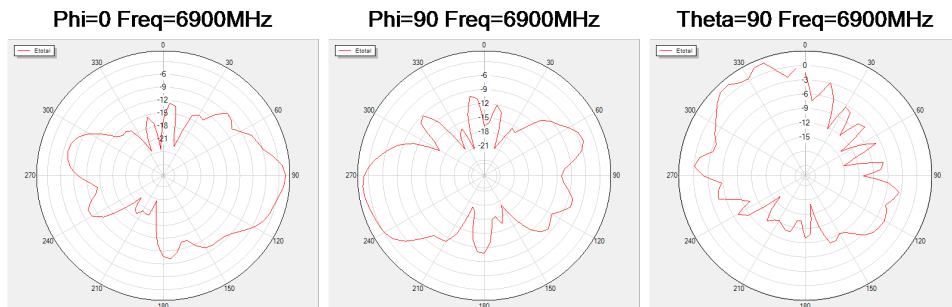
6GHz Band 6 (6425-6525MHz)



6GHz Band 7 (6525-6875MHz)

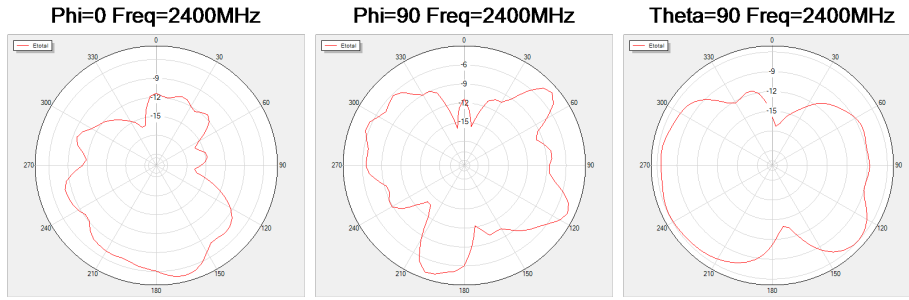


6GHz Band 8 (6875-7125MHz)

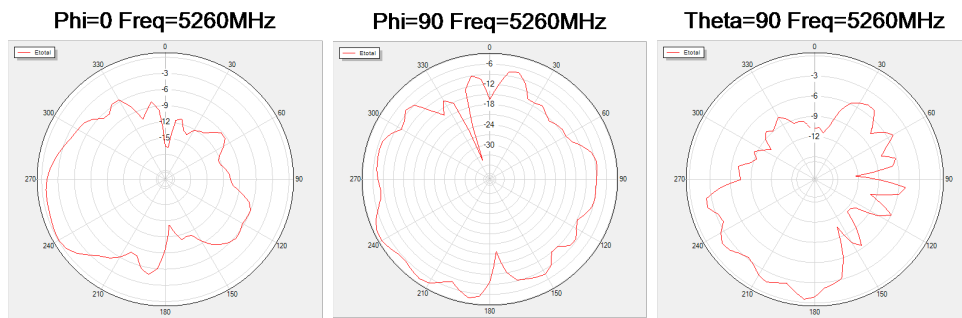


Wi-Fi Right

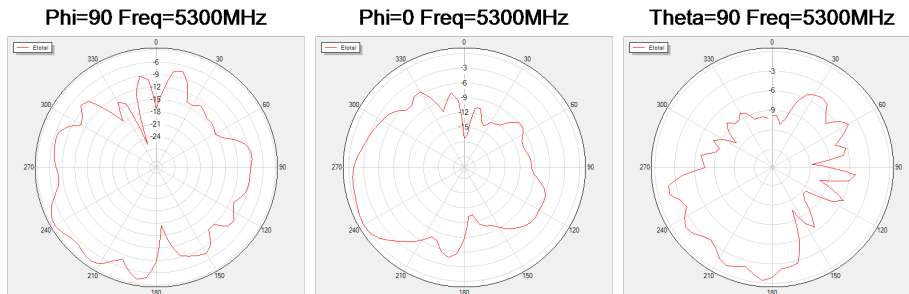
2.4GHz (2400-2480MHz)



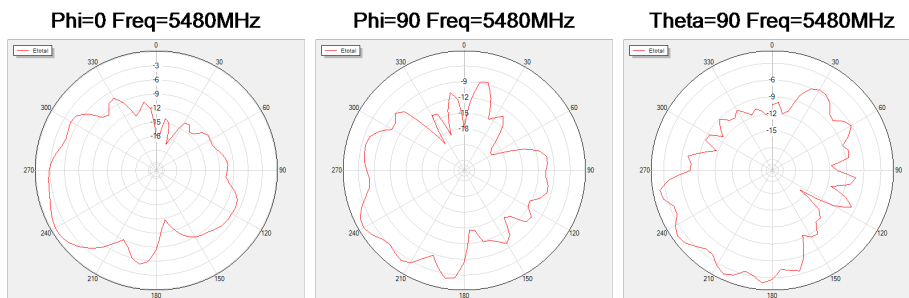
5GHz Band 1 (5150-5250MHz)



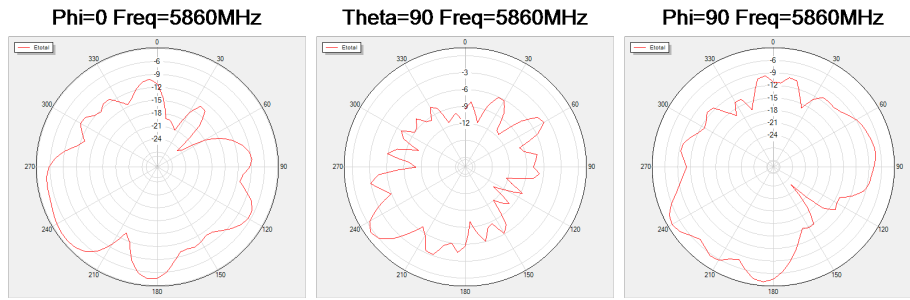
5GHz Band 2 (5250-5350MHz)



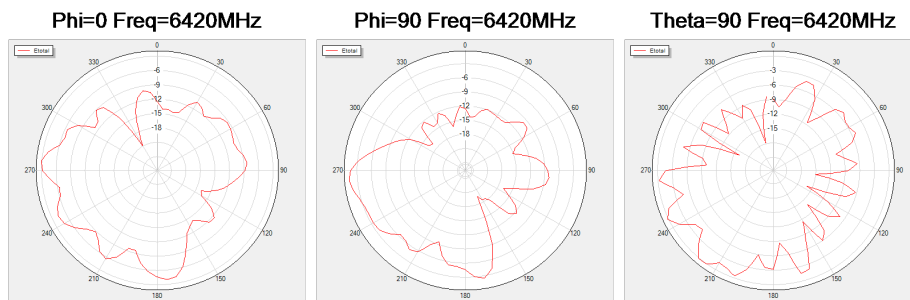
5GHz Band 3 (5470-5725MHz)



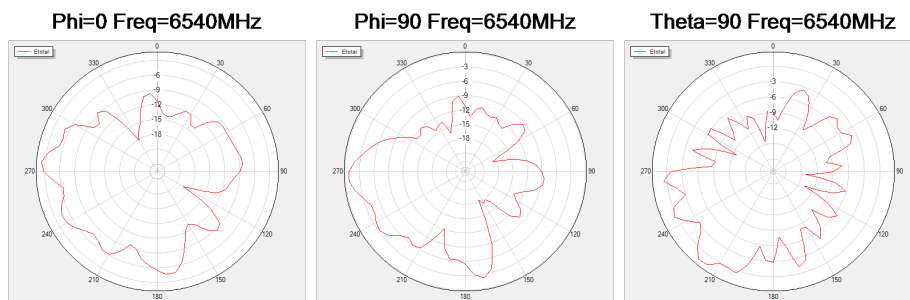
5GHz Band 4 (5725-5850MHz)



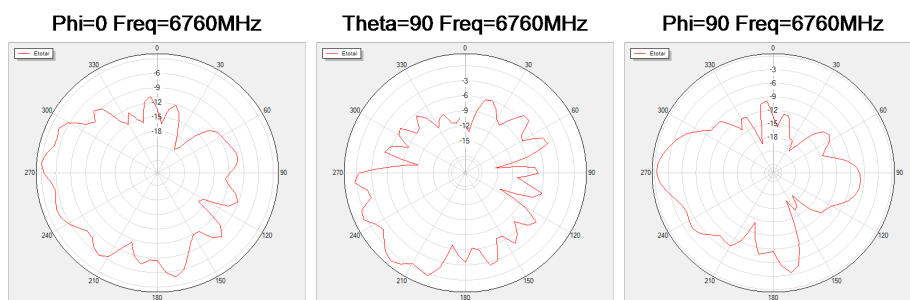
6GHz Band 5 (5925-6425MHz)



6GHz Band 6 (6425-6525MHz)

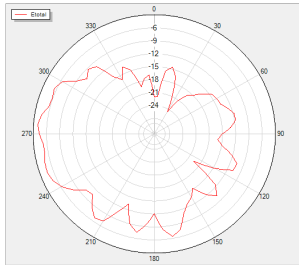


6GHz Band 7 (6525-6875MHz)

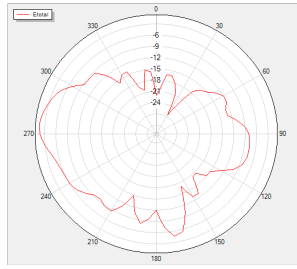


6GHz Band 8 (6875-7125MHz)

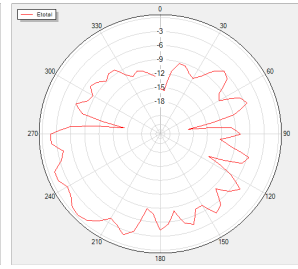
Phi=0 Freq=6960MHz



Phi=90 Freq=6960MHz

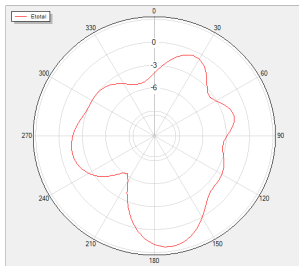


Theta=90 Freq=6960MHz

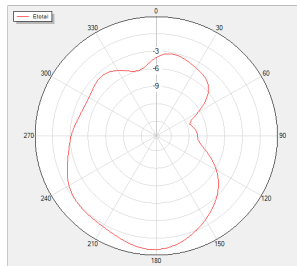


Sub-G Radiation pattern
Sub G (863-870MHz)

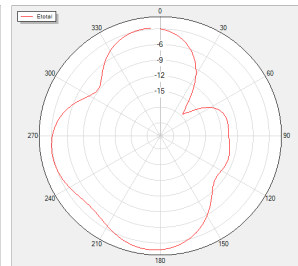
Phi=0 Freq=865MHz



Phi=90 Freq=865MHz

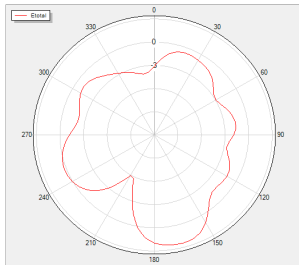


Theta=90 Freq=865MHz

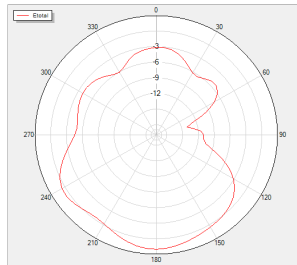


Sub G (902-928MHz)

Phi=0 Freq=930MHz



Phi=90 Freq=930MHz



Theta=90 Freq=930MHz

