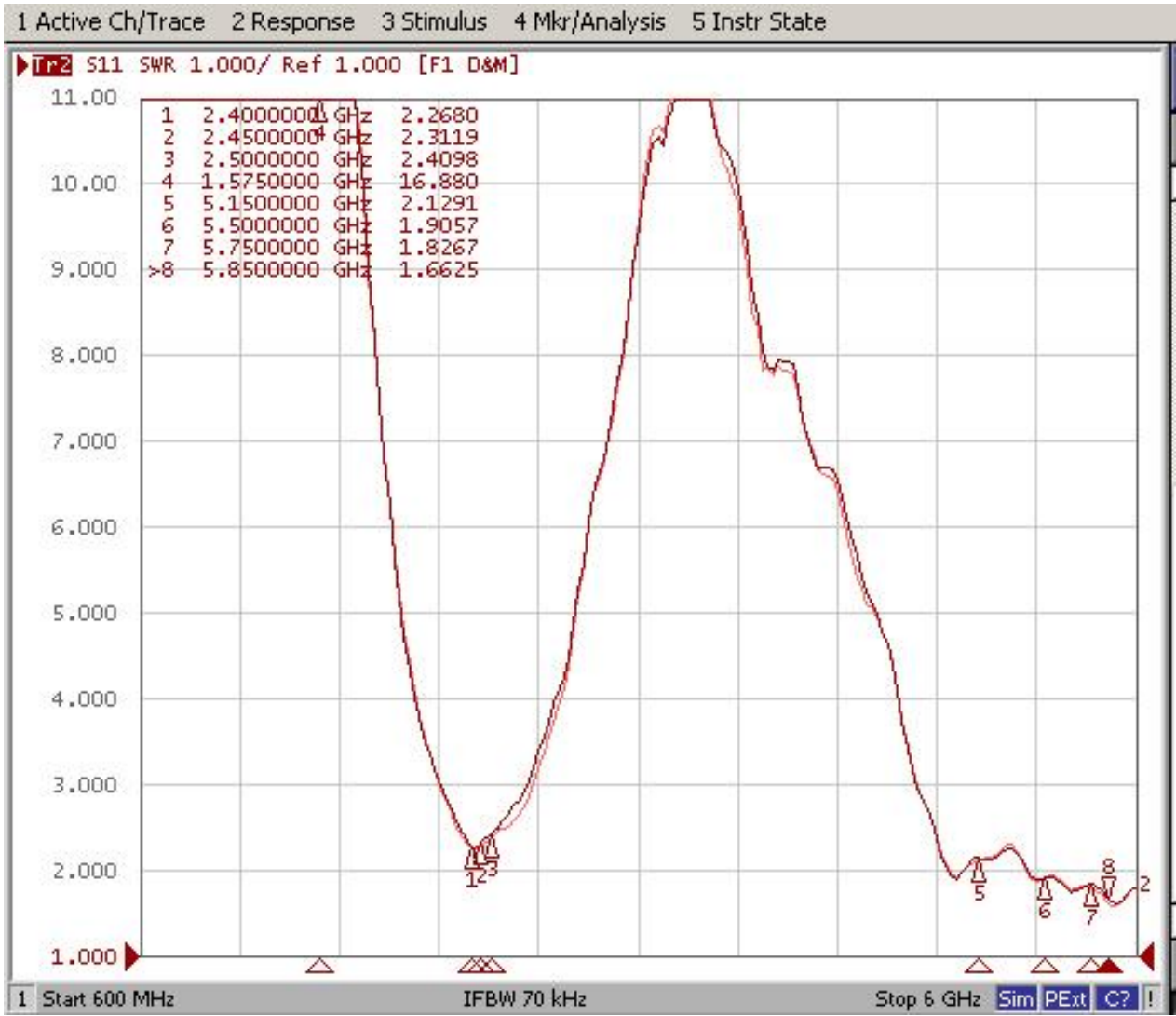


Manufacturer: Shenzhen Pretech Industrial Co., Ltd

Model: FPC ANT

### 1.VSWR



## 1.2、Gain

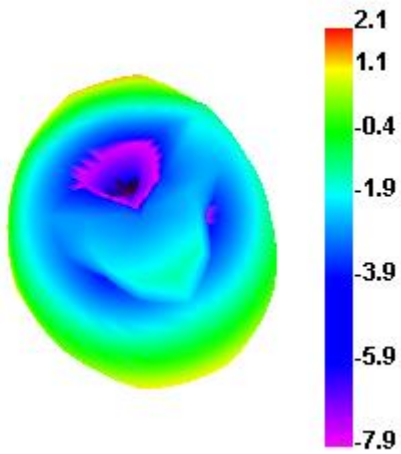
Passive Test For WiFi Antenna(2.4G)			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	66.68	-1.76	2.1
2410	61.67	-2.1	1.84
2420	64.98	-1.87	2.18
2430	59.18	-2.28	1.77
2440	63.87	-1.95	2.11
2450	71.33	-1.47	2.59
2460	66.85	-1.75	2.29
2470	67.81	-1.69	2.38
2480	73.7	-1.33	2.85
2490	72.06	-1.42	2.82
2500	77.39	-1.11	3.20

Passive Test For WiFi Antenna(5G)			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	46.06	-3.37	2.61
5200	44.56	-3.51	3.30
5250	44.12	-3.55	2.3
5300	36.27	-4.4	0.95
5350	34.42	-4.63	0
5400	40.41	-3.94	0.47
5450	55.82	-2.53	1.98
5500	59.01	-2.29	2.51
5550	57.43	-2.41	2.13
5600	58.58	-2.32	2.4
5650	60.58	-2.18	2.84
5700	65.08	-1.87	3.26
5750	67.19	-1.73	3.30
5800	65.85	-1.81	3.30
5850	66.94	-1.74	3.36

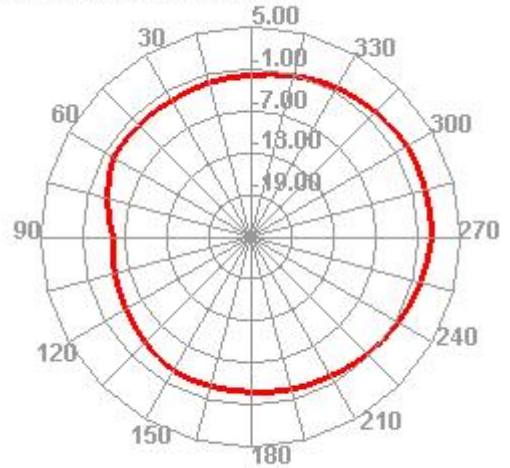
1.3 Test pattern

Radiation Pattern For WiFi Antenna(2400MHz)

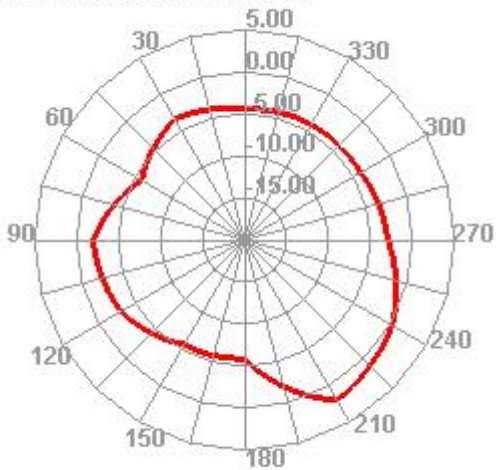
2400.000MHz



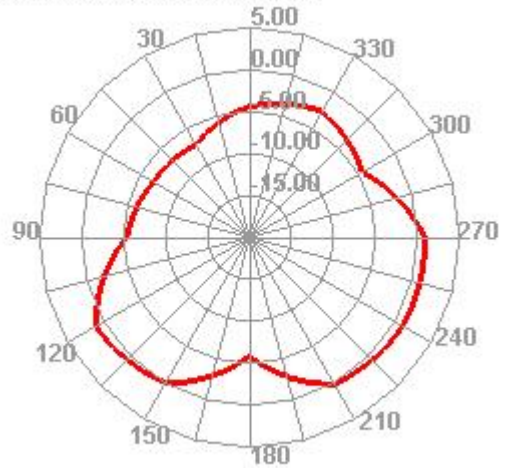
2400.000MHz H



2400.000MHz E1

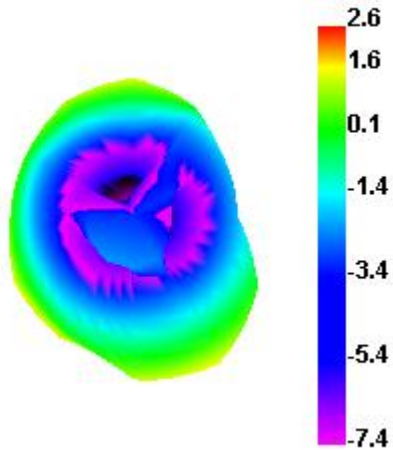


2400.000MHz E2

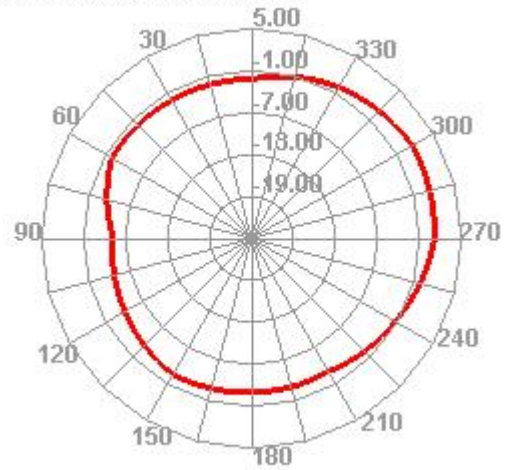


# Radiation Pattern For WiFi Antenna(2450MHz)

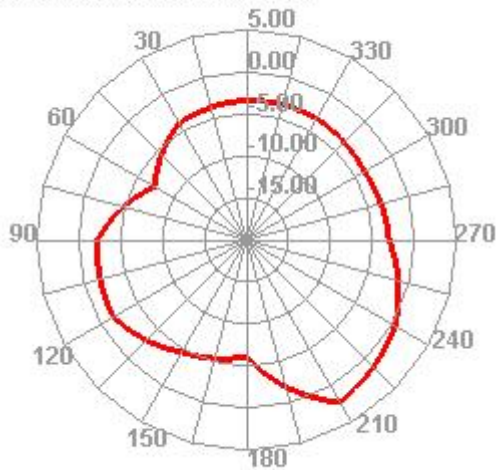
2450.000MHz



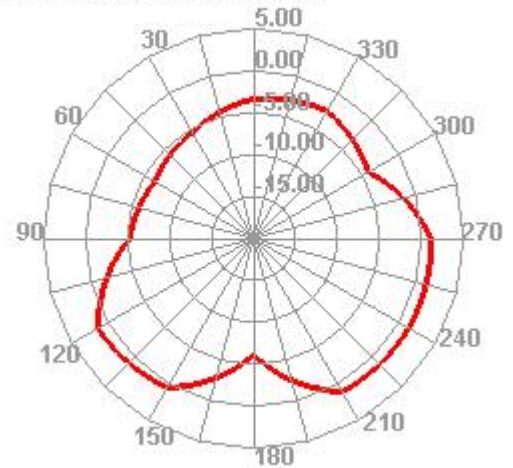
2450.000MHz H



2450.000MHz E1

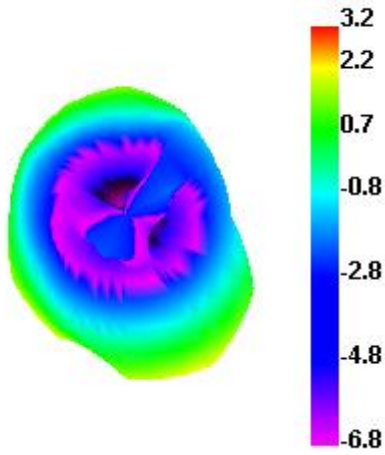


2450.000MHz E2

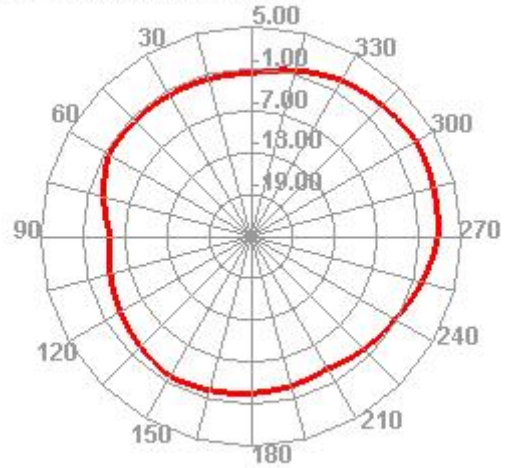


# Radiation Pattern For WiFi Antenna(2500MHz)

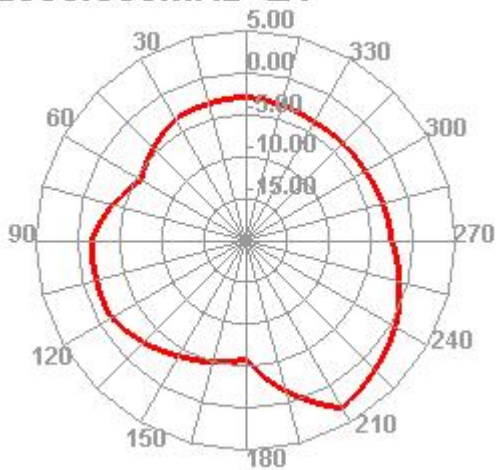
2500.000MHz



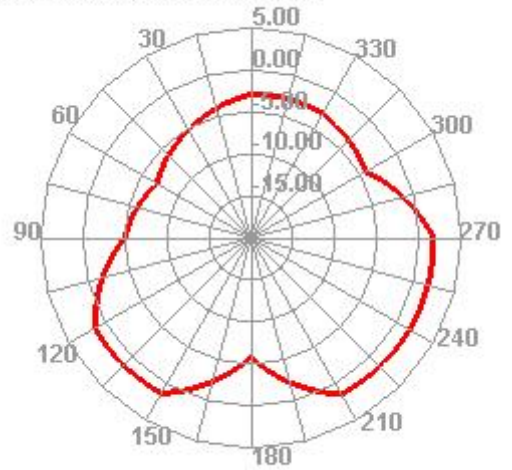
2500.000MHz H



2500.000MHz E1



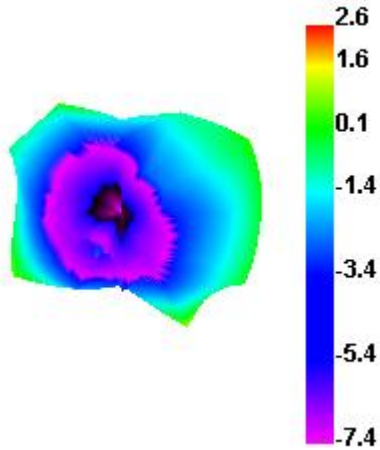
2500.000MHz E2



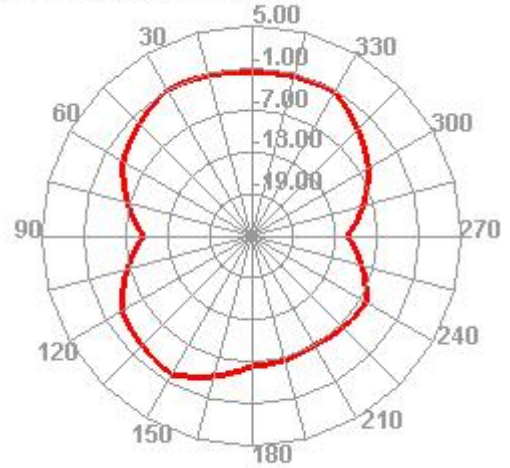


# Radiation Pattern For WiFi Antenna(5150MHz)

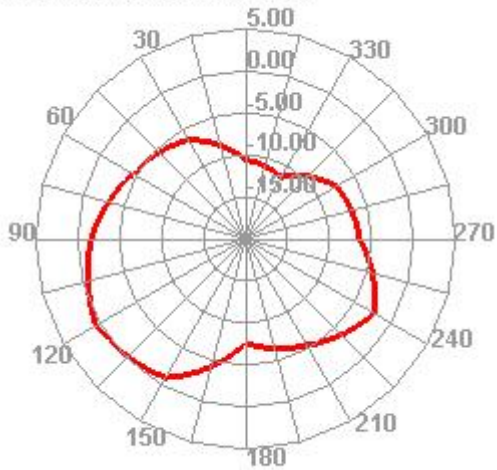
5150.000MHz



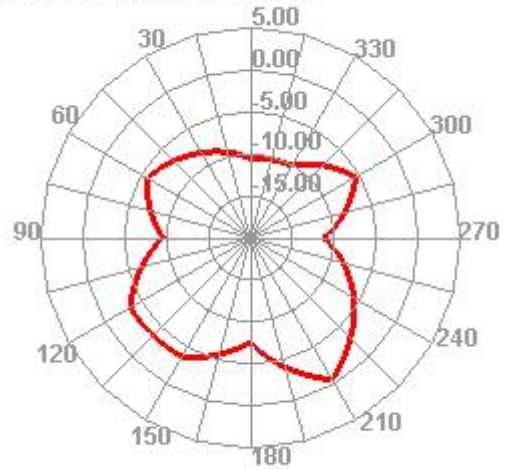
5150.000MHz H



5150.000MHz E1

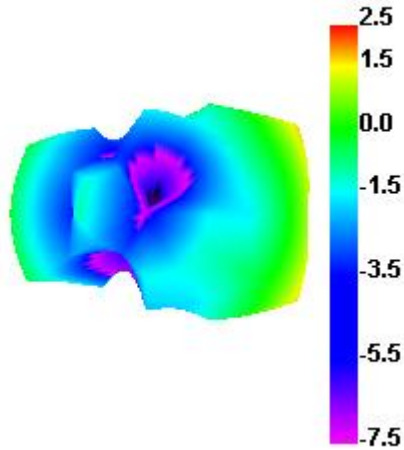


5150.000MHz E2

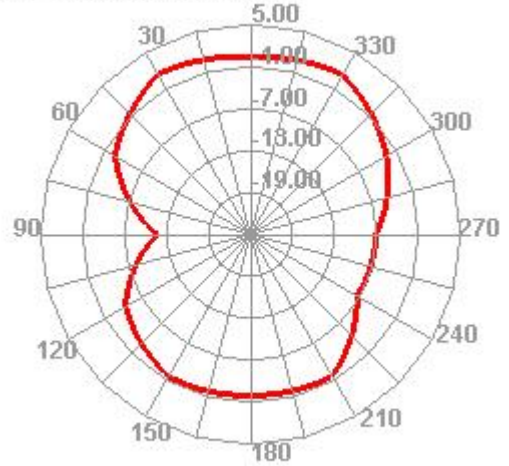


# Radiation Pattern For WiFi Antenna(5500MHz)

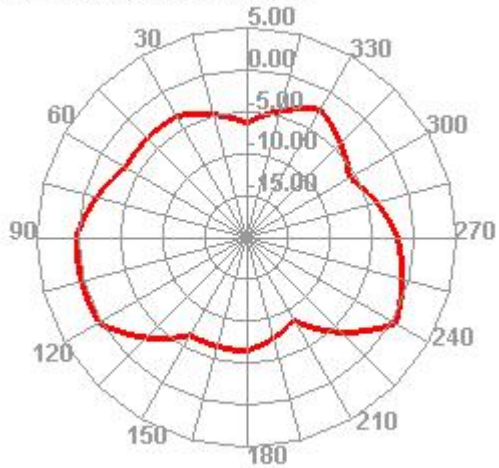
5500.000MHz



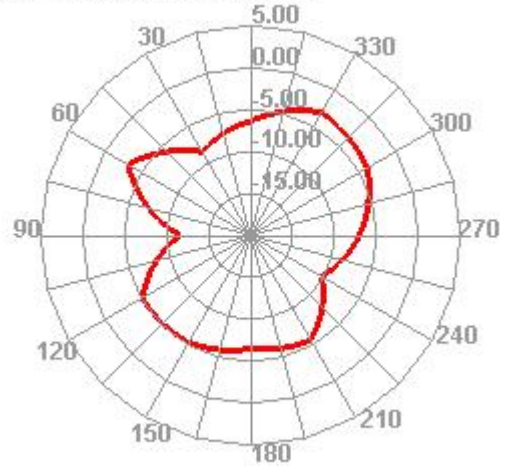
5500.000MHz H



5500.000MHz E1



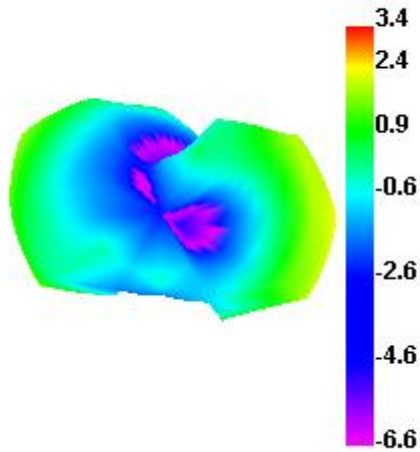
5500.000MHz E2



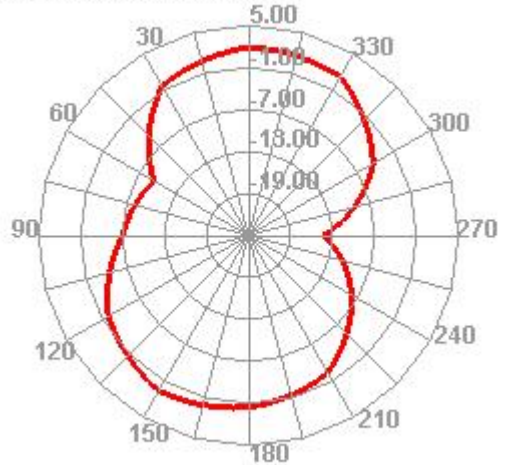


# Radiation Pattern For WiFi Antenna(5850MHz)

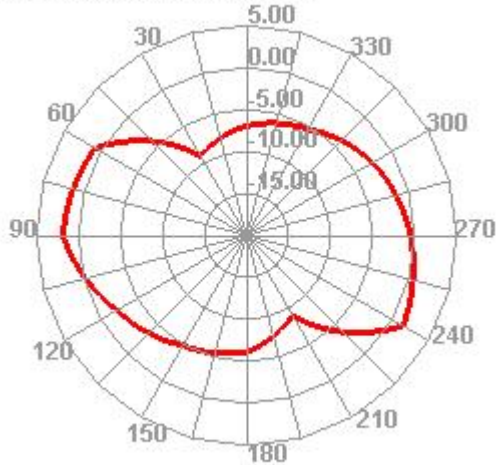
**5850.000MHz**



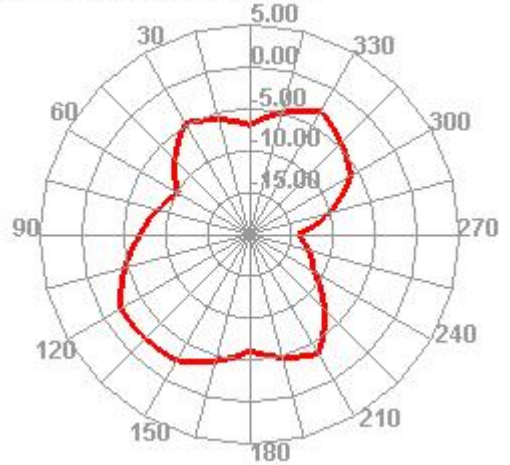
**5850.000MHz H**



**5850.000MHz E1**



**5850.000MHz E2**



## 2. Test setup

Antenna measurements such as VSWR were measured with an HP 8753D vector network analyzer. Radiation patterns were measured with a A388/A333 vector network analyzer in a ETS-3D chamber equivalent. Phase center is nine inches above the Phi positioner. Flat surface measurements were done with the antenna centered on a 1.5 mm-thick plate of polycarbonate. Curved surface measurements were taken by placing the antenna on the inside and outside of different diameter PVC tubing.

### The Environment of Antenna Radiation Pattern

