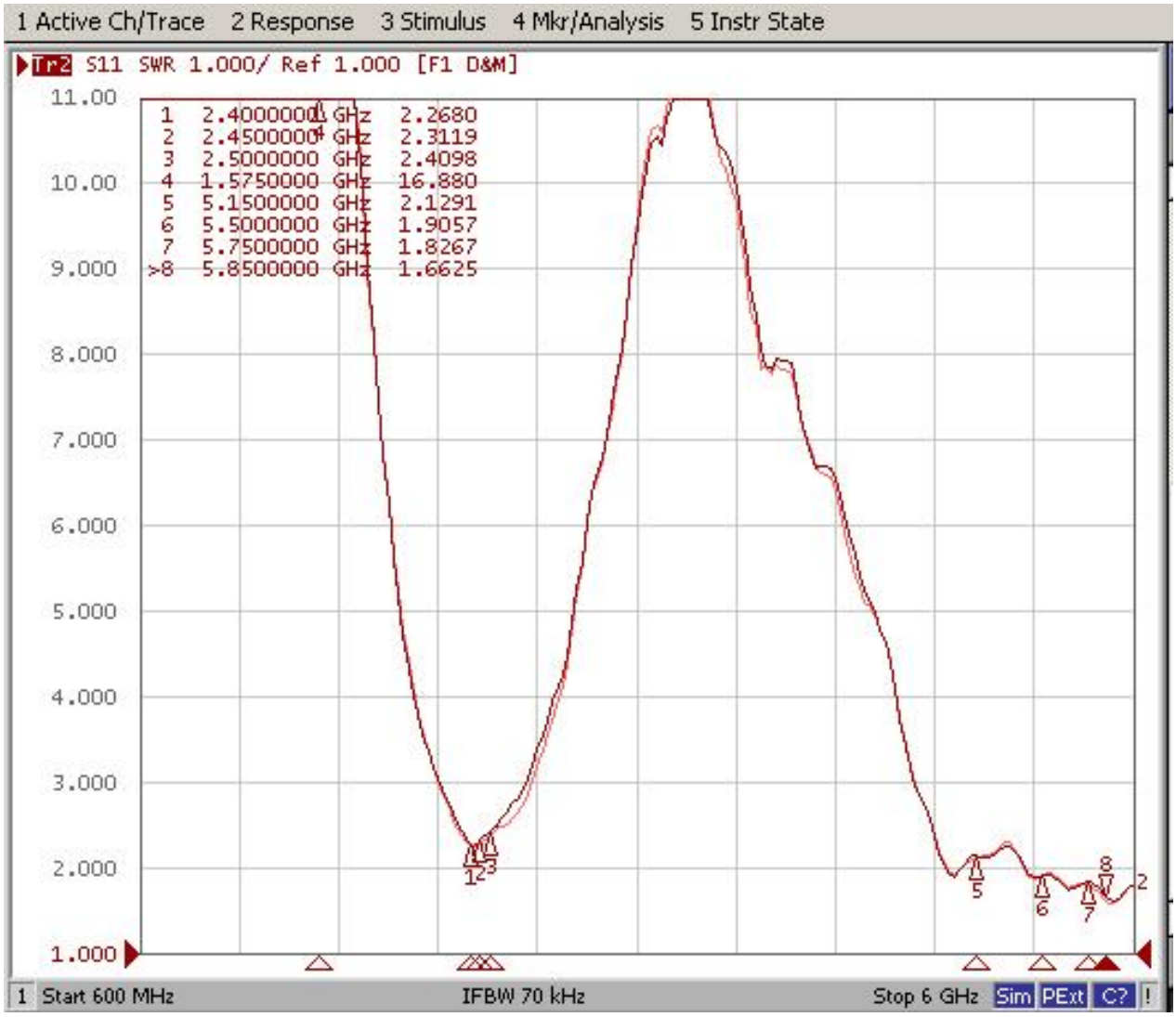
Manufacturer: Shenzhen Pretech Industrial Co., Ltd

Model: FPC ANT

1.VSWR

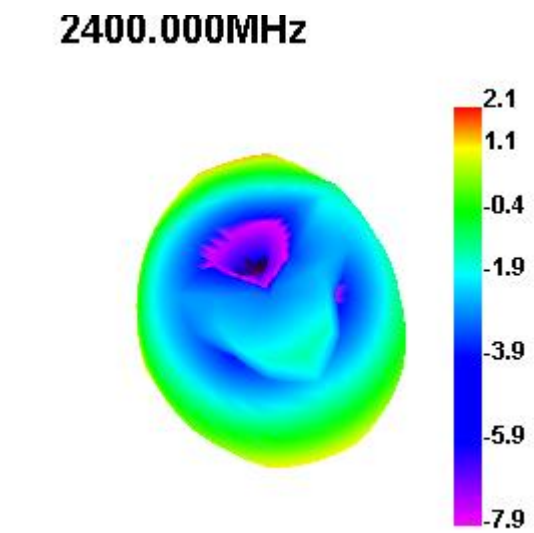
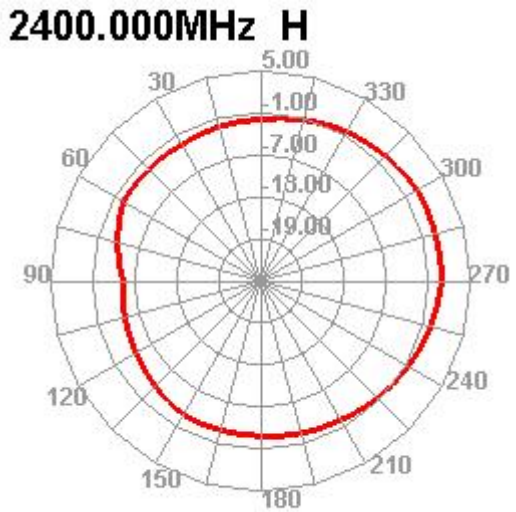
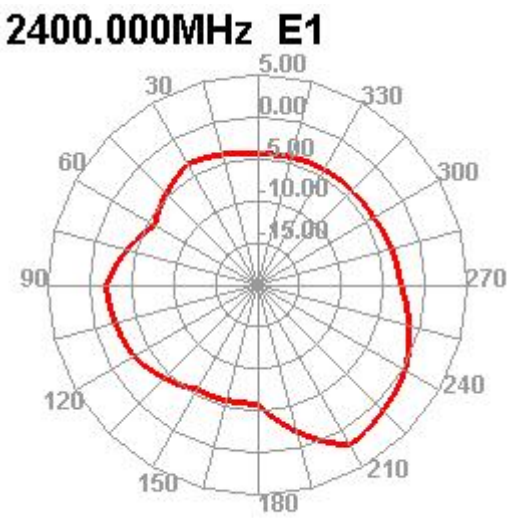
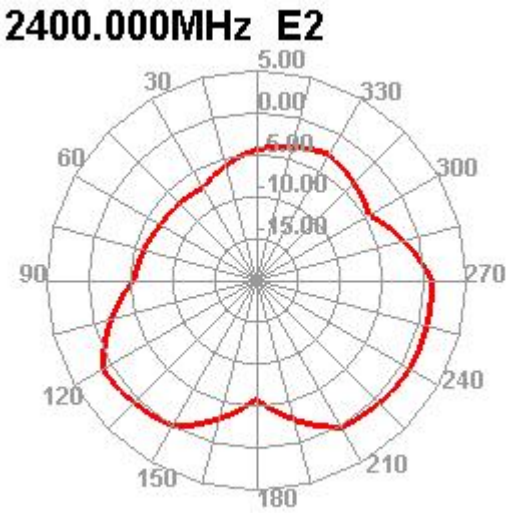


1.2、Gain

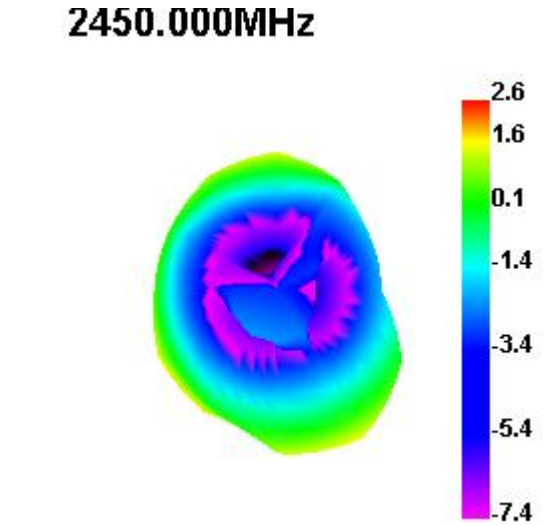
Passive Test For WiFi Antenna(2.4G)			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	66.68	-1.76	2.1
2410	61.67	-2.1	1.84
2420	64.98	-1.87	2.18
2430	59.18	-2.28	1.77
2440	63.87	-1.95	2.11
2450	71.33	-1.47	2.59
2460	66.85	-1.75	2.29
2470	67.81	-1.69	2.38
2480	73.7	-1.33	2.85
2490	72.06	-1.42	2.82
2500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

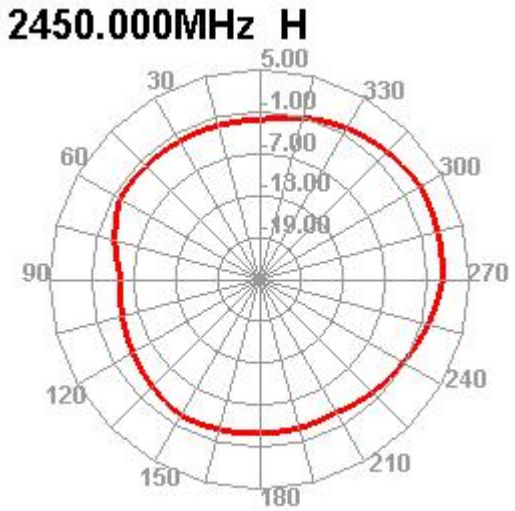
Passive Test For WiFi Antenna(5G)			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	46.06	-3.37	2.61
5200	44.56	-3.51	3.30
5250	44.12	-3.55	2.3
5300	36.27	-4.4	0.95
5350	34.42	-4.63	0
5400	40.41	-3.94	0.47
5450	55.82	-2.53	1.98
5500	59.01	-2.29	2.51
5550	57.43	-2.41	2.13
5600	58.58	-2.32	2.4
5650	60.58	-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

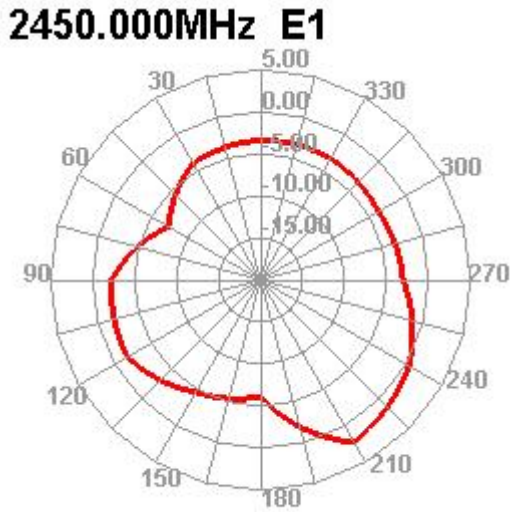
1.3 Test pattern

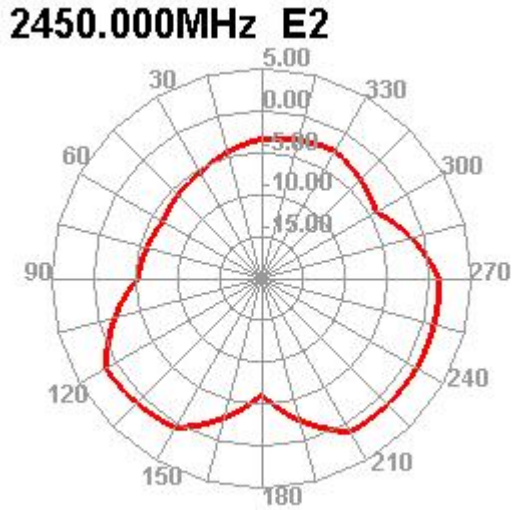
Radiation Pattern For WiFi Antenna(2400MHz)	
	
	

Radiation Pattern For WiFi Antenna(2450MHz)

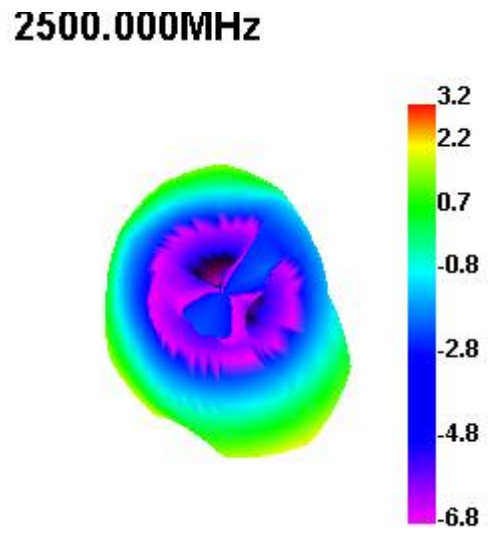


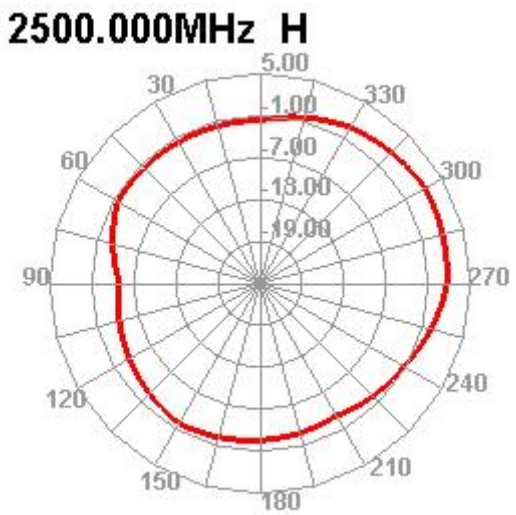


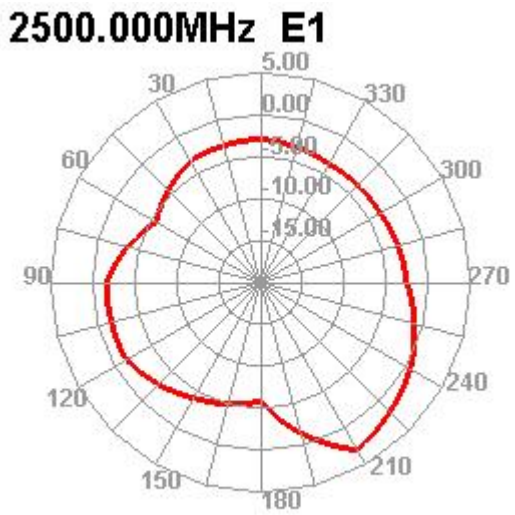


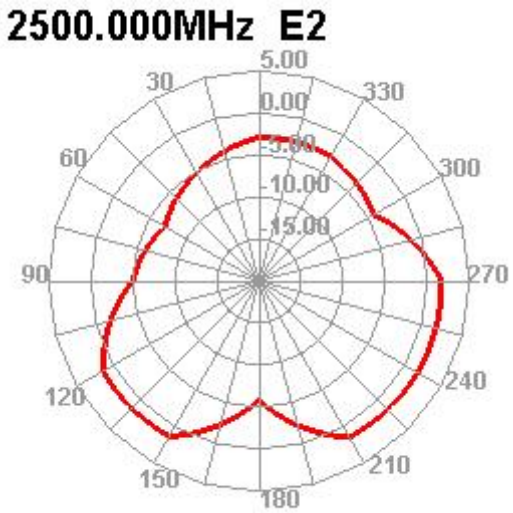


Radiation Pattern For WiFi Antenna(2500MHz)

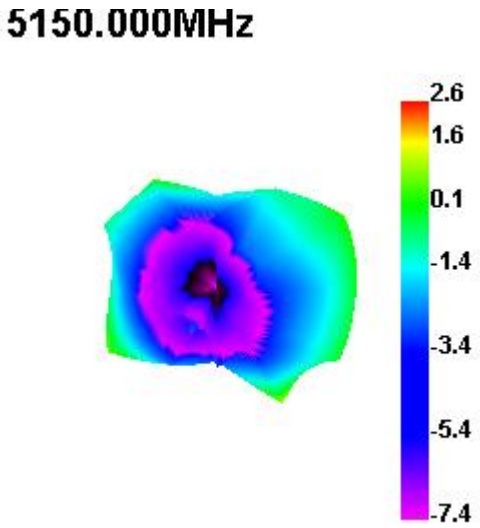


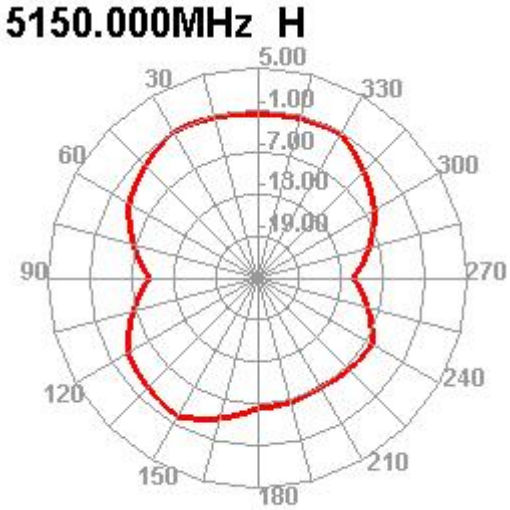


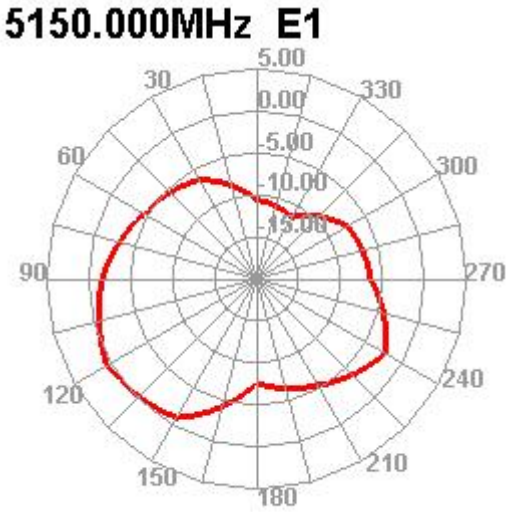


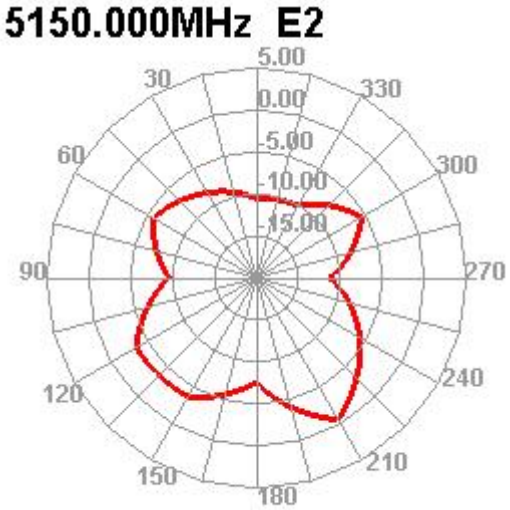


Radiation Pattern For WiFi Antenna(5150MHz)

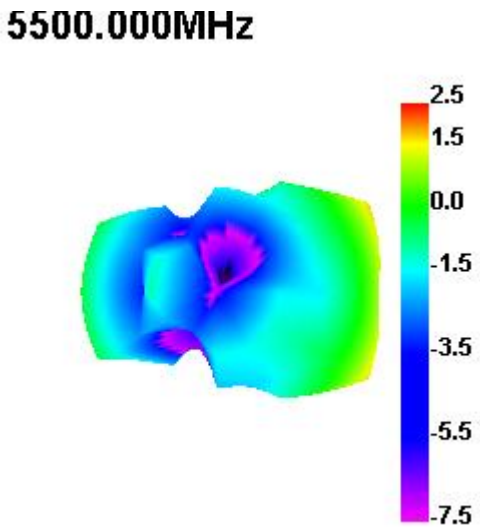


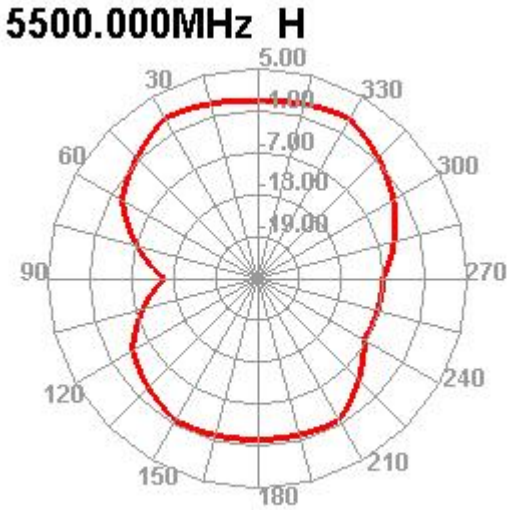


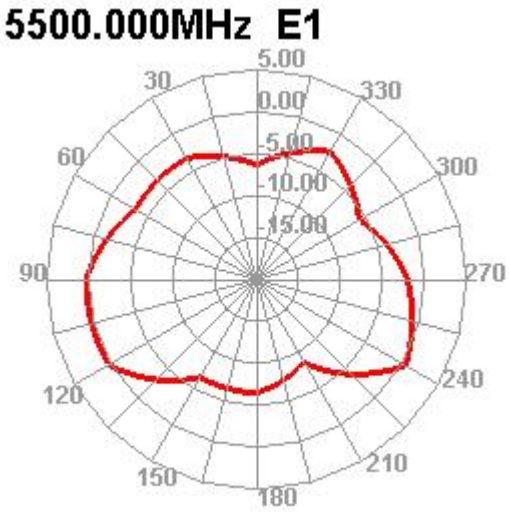


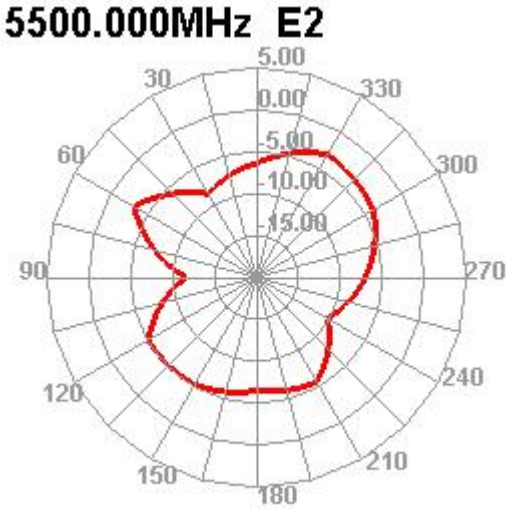


Radiation Pattern For WiFi Antenna(5500MHz)

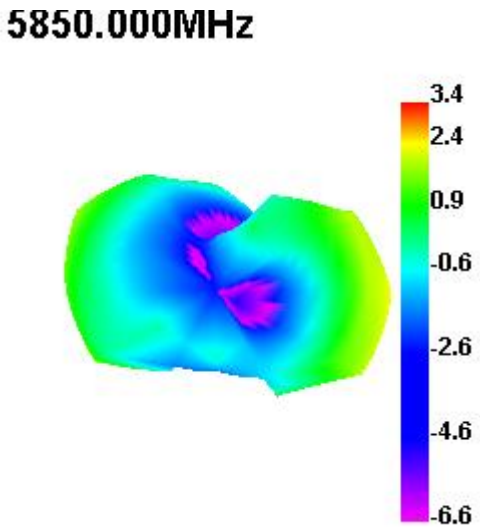


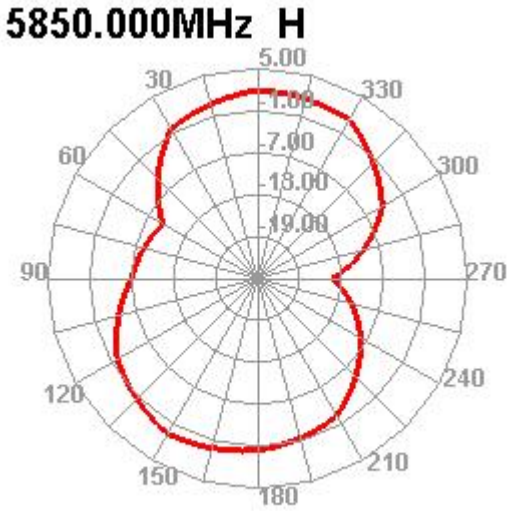


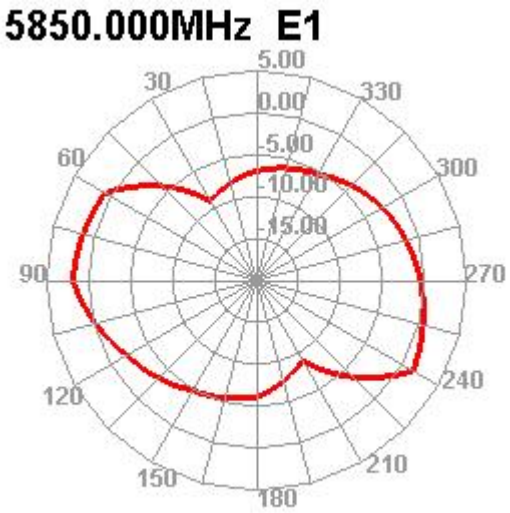


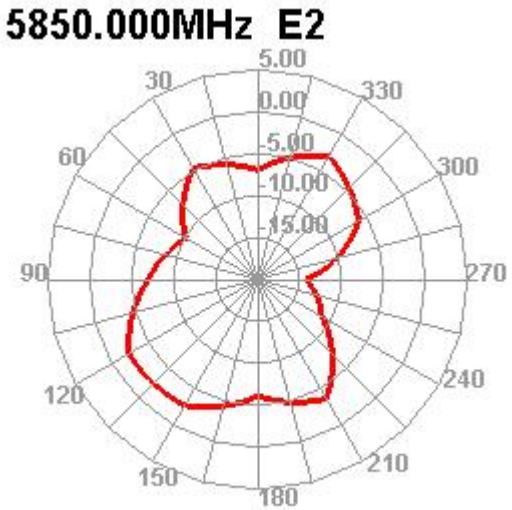


Radiation Pattern For WiFi Antenna(5850MHz)

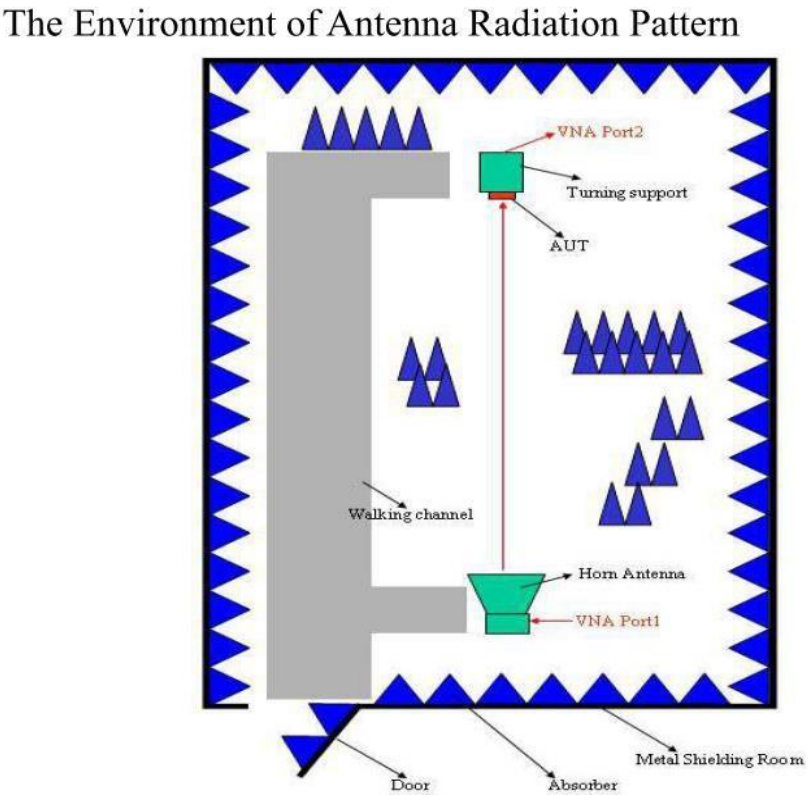
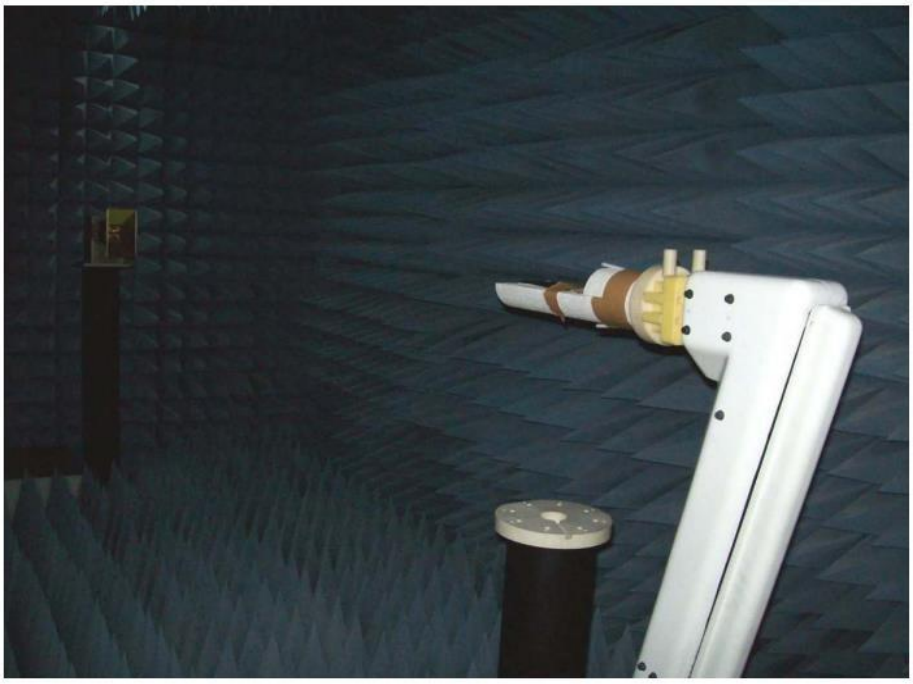








2.Test setup

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.