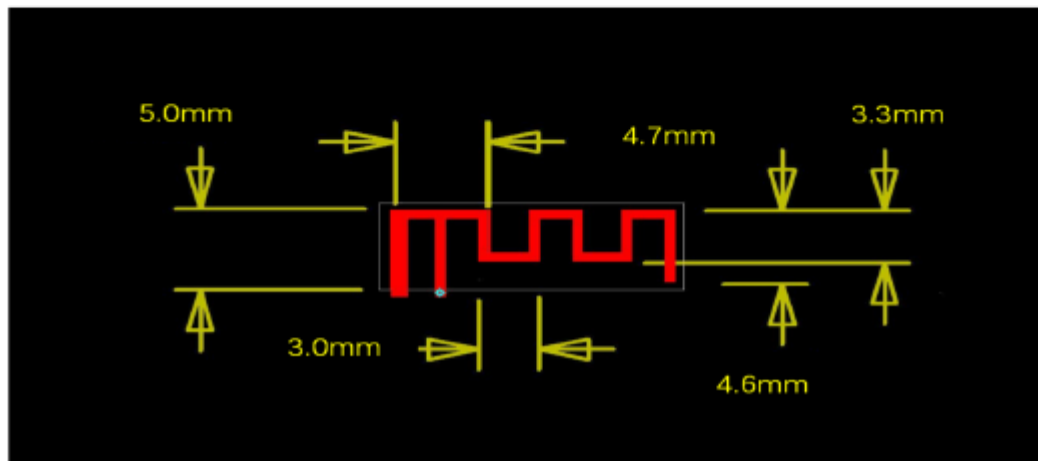


Antenna describe

Antenna describe:	
Anetenna plate	PCB antenna
Make name/model name	2. 4G_PCB_SPP200
Anetenna gain	0. 68dBi
frequency range	2. 4GHz-2. 5GHz
Connector type	direct
Location of mearement (company name)	SHENZHEN HAIJIXING TECHNOLOGY CO., LTD

2、External view drawing:

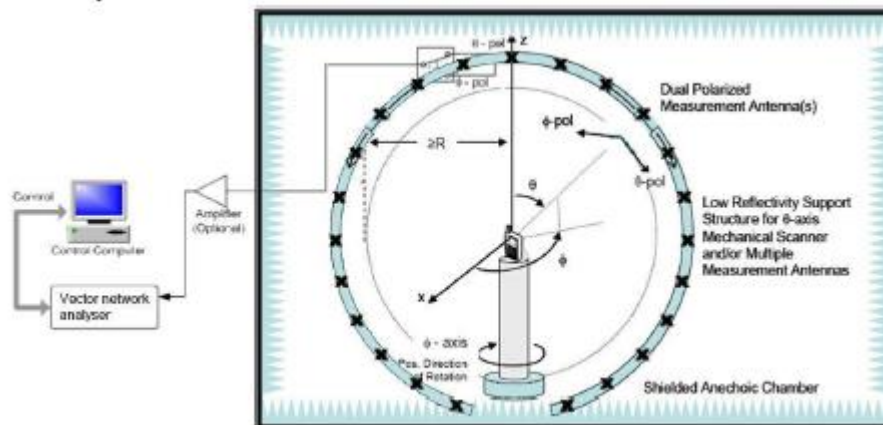
Picture of antenna



Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Vector Network Analyzer	Agilent	E5071C	MY46103472	2014.09.07	2015.09.06
5*5*5 Full Anechoic Chamber	SATIMO	5*5*5	N/A	2014.09.05	2015.09.04
SG24 Multi-probe Antenna Measurement System	SATIMO	SG24-L	1101855-0001	2014.10.25	2015.10.24

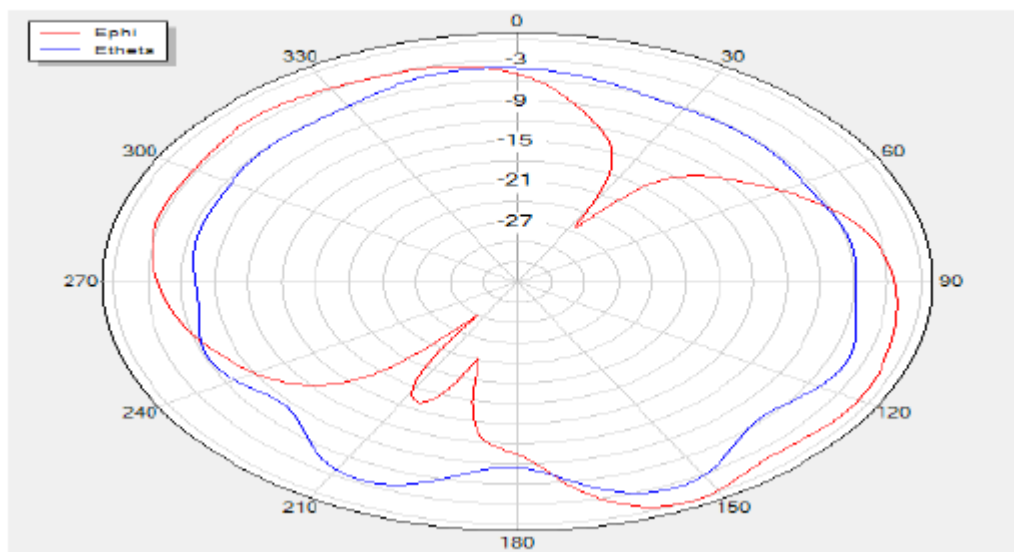
Test Setup



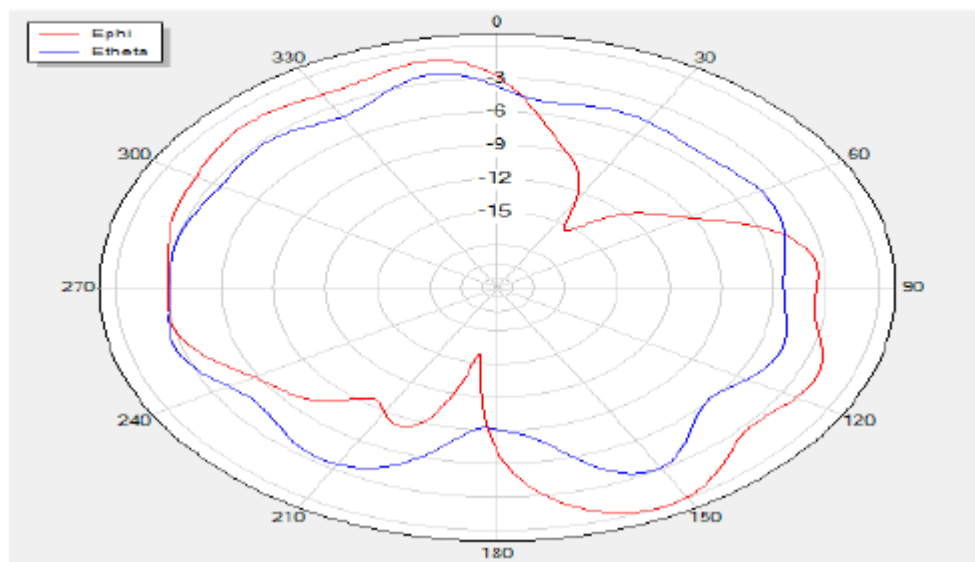
Gain and Efficiency

Passive Test 2.4GHz											
Fre.(MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Effi(%)	33.98	33.52	33.85	33.54	36.18	33.34	31.65	31.71	28.65	24.58	26.85
Gain(dBi)	0.04	-0.03	-0.13	0.68	0.09	-0.28	-0.53	-0.56	-0.88	-0.96	-1.04

PHI =0



PHI =90



THETA = 90

