



深圳云里物里科技股份有限公司 产品天线测试报告 (The Antenna Test Report)

Y-YB-CR-115

V001

密级：绝密 /confidentiality

Antenna Coding: ANT-BBNCNC22017

Antenna Type: PCB onboard Antenna

Model of the DUT: SE-290R

Antenna Manufacturer: Shenzhen Minew Technologies Co., Ltd.

1、Technical Specification

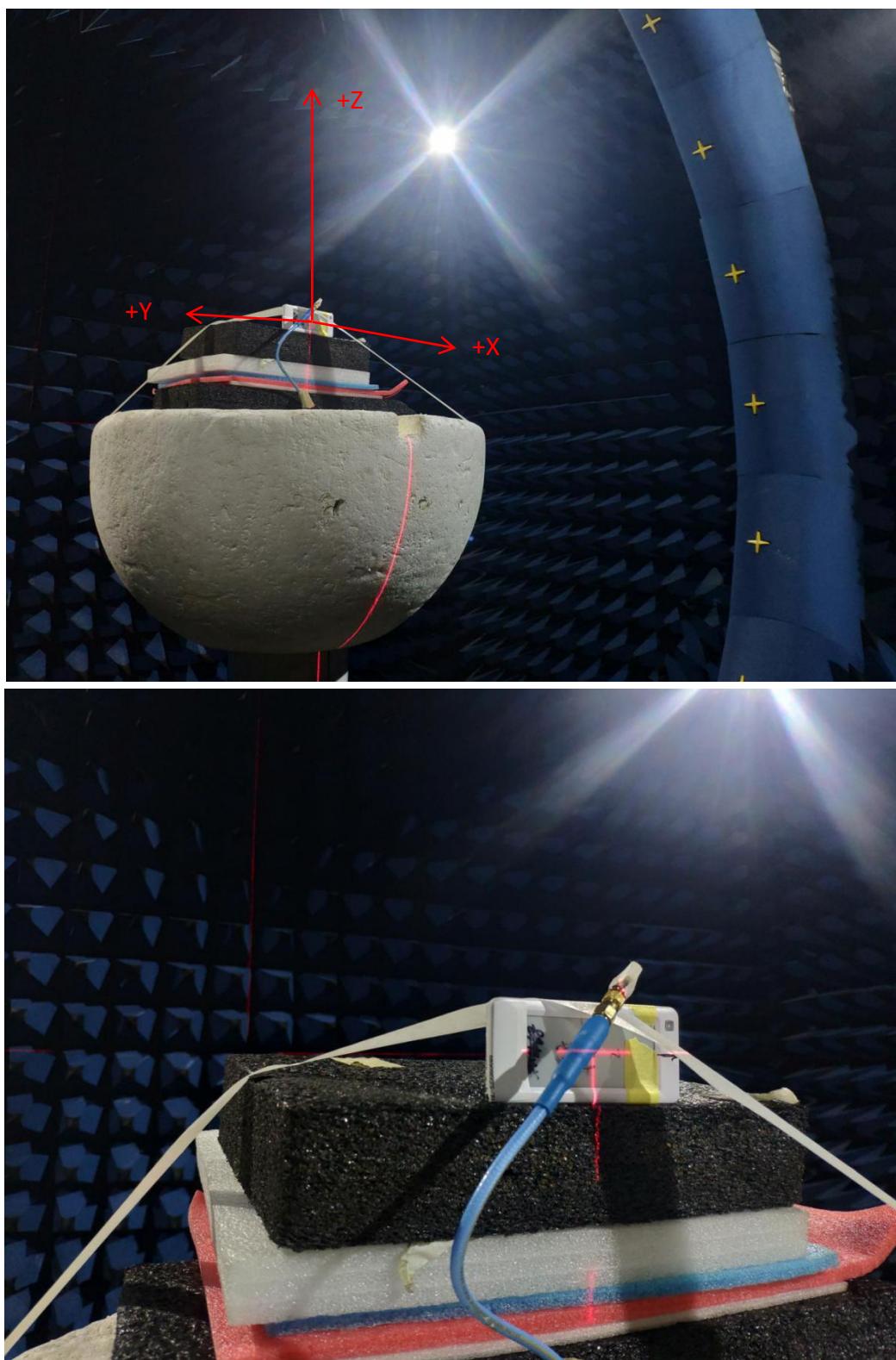
Electrical Specifications	
Frequency Range (MHz)	2400-2480
Input Impedance (Ω)	50
Return Loss (dB)	<-10
VSWR	<2
Peak Gain (dBi)	1.47
Polarization Type	Linear polarization
Mechanical Specifications	
Antenna Size (mm)	20.85*5.326
Radiator	Cuprum

2、The shape and size of the antenna



3、 The result of the test

3.1 Test Environment





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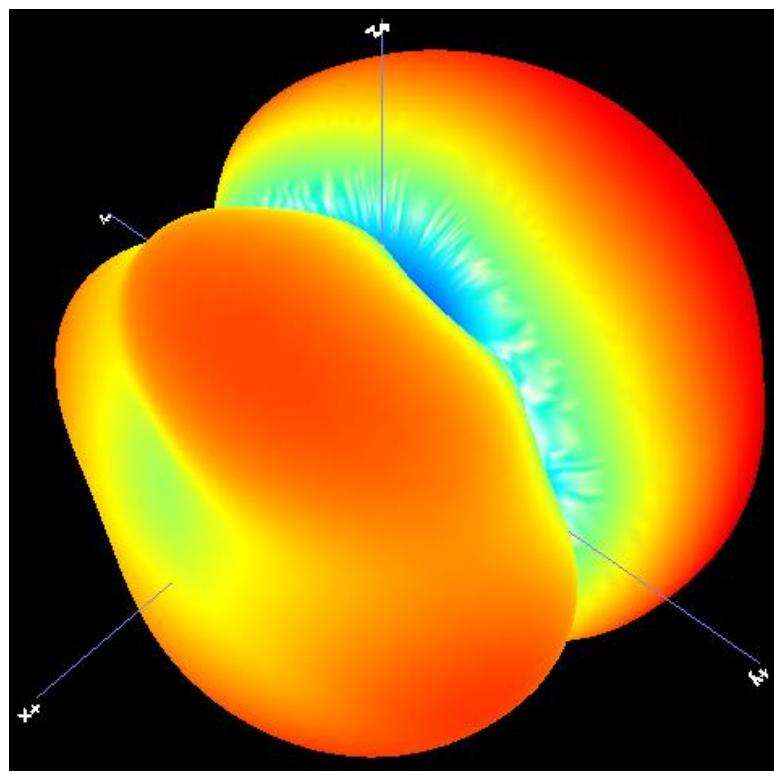
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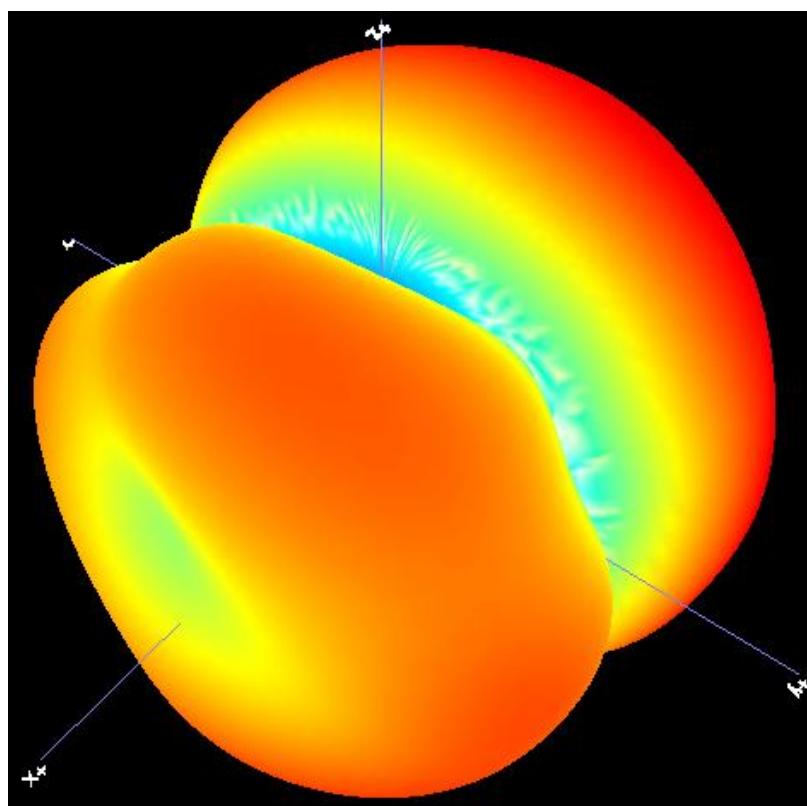
3.2 Gain and Efficiency

EUT型号	2#		
备注	Stag29		
Frequency	E Total. dB(dBi)	Efficiency(%)	Peak Gain (dBi)
2400MHz	147	44%	147
2402MHz	144	44%	
2404MHz	141	44%	
2406MHz	135	44%	
2408MHz	133	44%	
2410MHz	131	43%	
2412MHz	128	43%	
2414MHz	122	42%	
2416MHz	128	42%	
2418MHz	123	41%	
2420MHz	116	40%	
2422MHz	113	40%	
2424MHz	113	39%	
2426MHz	124	39%	
2428MHz	121	39%	
2430MHz	119	39%	
2432MHz	120	39%	
2434MHz	122	39%	
2436MHz	119	38%	
2438MHz	117	38%	
2440MHz	118	38%	
2442MHz	115	38%	
2444MHz	111	38%	
2446MHz	118	38%	
2448MHz	112	37%	
2450MHz	108	37%	
2452MHz	102	37%	
2454MHz	093	36%	
2456MHz	091	36%	
2458MHz	083	35%	
2460MHz	075	34%	
2462MHz	070	34%	
2464MHz	067	34%	
2466MHz	056	34%	
2468MHz	055	33%	
2470MHz	054	33%	
2472MHz	054	33%	
2474MHz	056	33%	
2476MHz	048	33%	
2478MHz	046	33%	
2480MHz	045	33%	

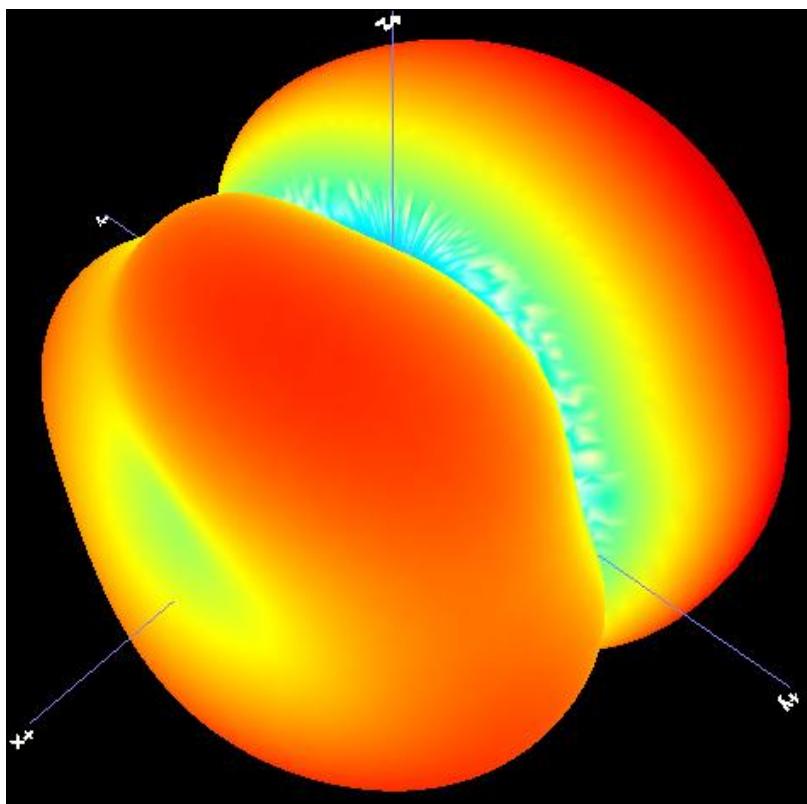
3.3 3D Polar Plot



2402MHz



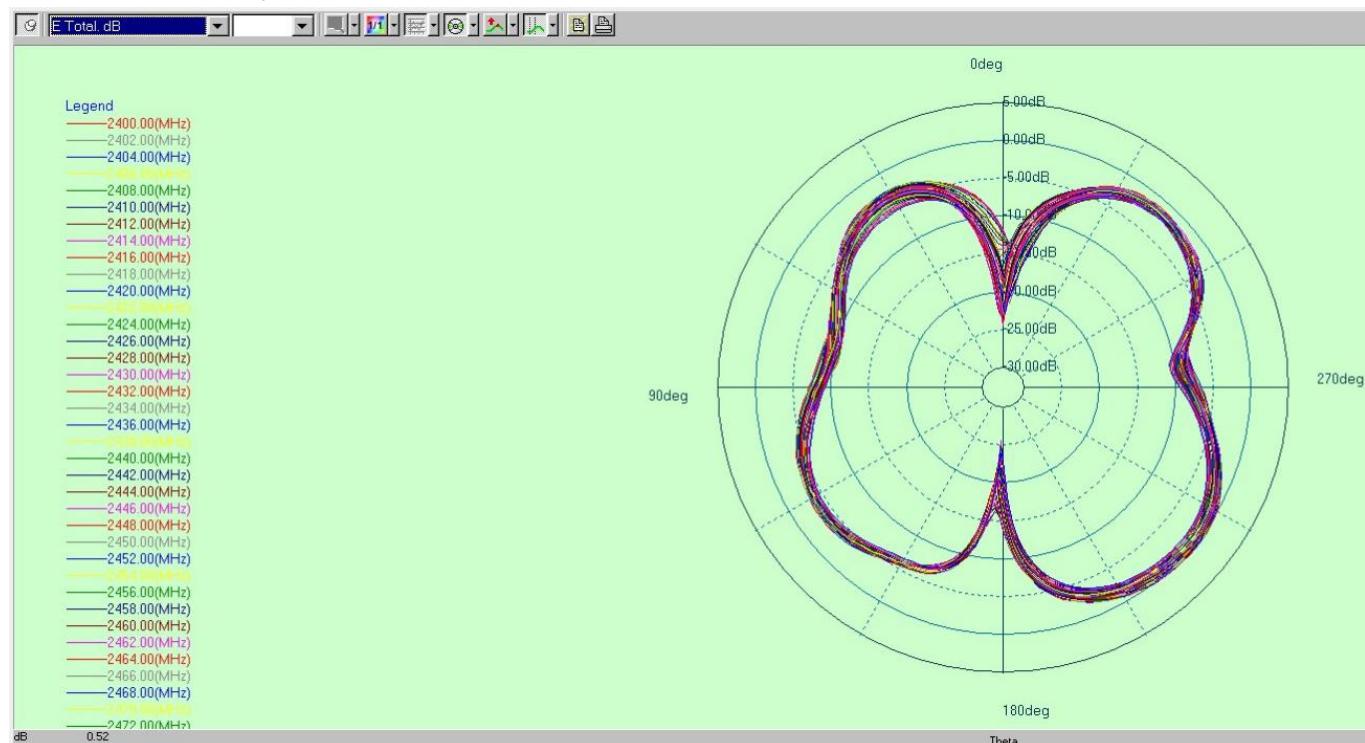
2440MHz



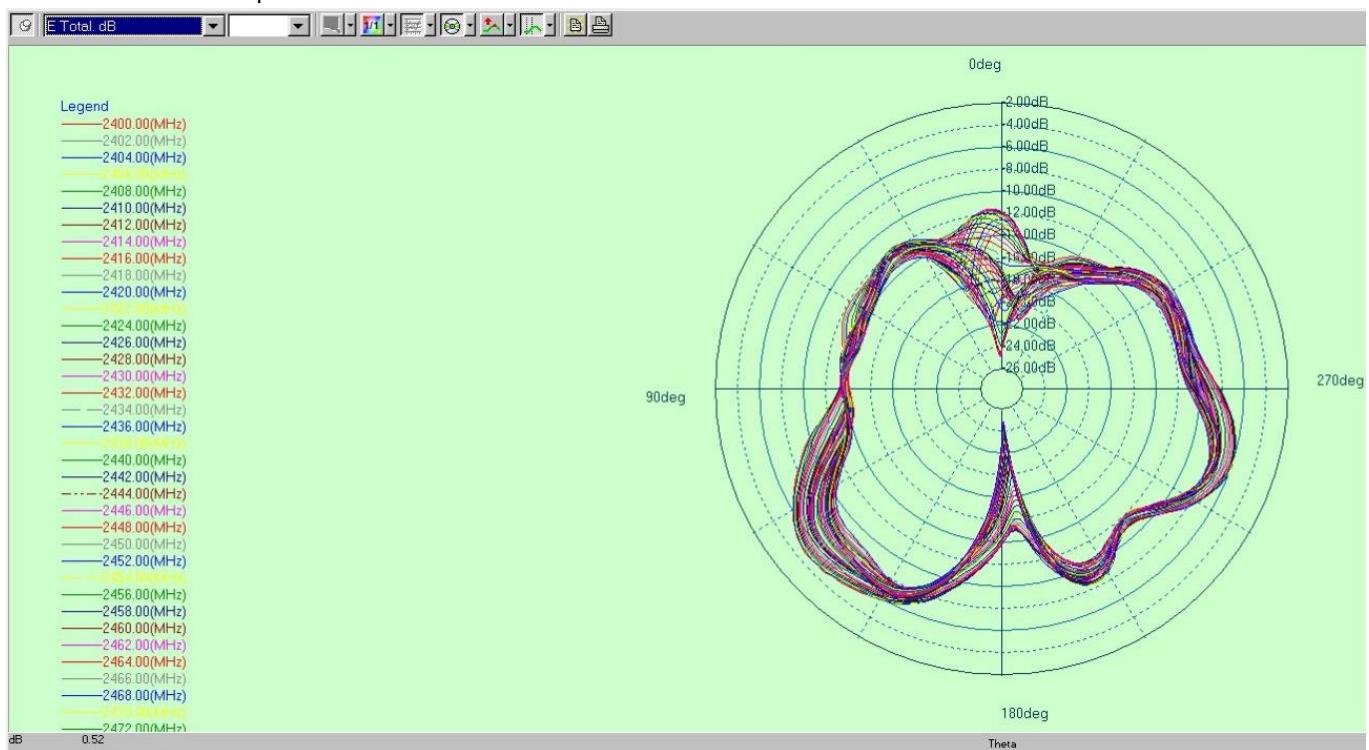
2480MHz

3.4 2D Radiation Pattern

(1) E1, XZ Plane, phi=0



(2) E2, YZ Plane, phi=90°



(3) H, XY plane, theta=90°

