

The slide features a blue background with a pattern of glowing, spherical particles and light trails. The title 'Antennatestreport' is centered in a large, black, sans-serif font. The background is divided into several geometric sections: a light blue top-left corner, a dark blue horizontal band across the middle, and a white bottom-right corner.

Antennatestreport

Antennamanufacturer:
ShenzhenJianshengElectronicIndustry
Co.,Ltd

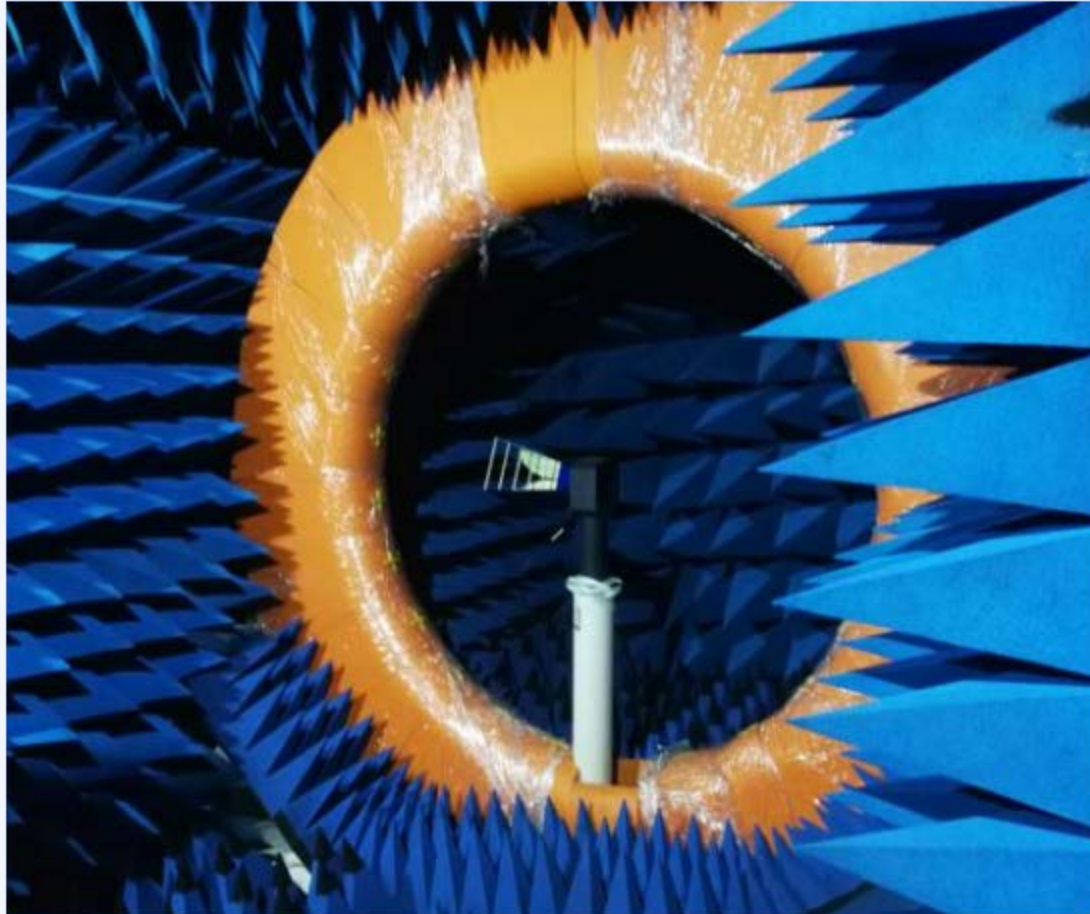
Project information

Project:

Frequency band: 2400MHz-2500MHz

Note: onboard antenna

Testing instruments and equipment



A 24-probe microwave chamber



R&S CMW500




Agilent E5515c



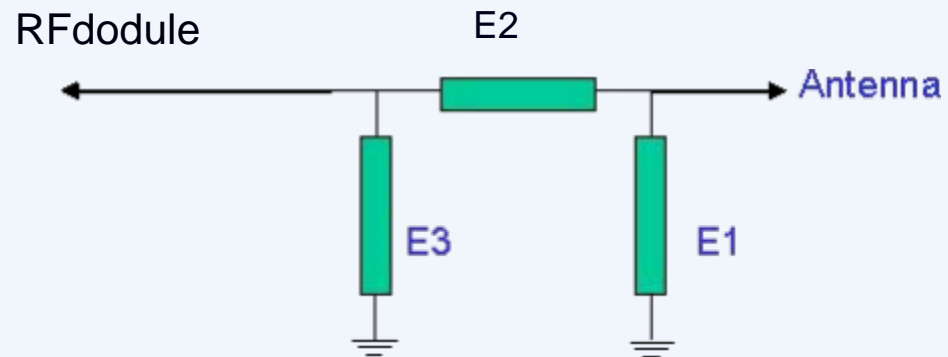
Agilent Technologies E5071B

AntennaProjectDesignandDebuggingInstructions

Frequency band	2400MHz-2500MHz	Test engineer		Version	
Wholemachine diagram		Antennamatching circuit			
		Unmatched circuit			
Notes on the antennaof theentiremachine		Matchinginstructions			
1.PCBboardmounted antenna:PIFA antenna		E1		NC	
		E2		0Ω	
2.Thematching circuithasnotbeen changed		E3		NC	

Antenna switch and matching circuit description

Our company has not made any modifications to the original matching circuit of the antenna



Element	Value
E1(0201)	NC
E2(0201)	0Ω
E3(0201)	NC

3D TestRepor standing wave diagram/return loss diagram/Smith circle diagram

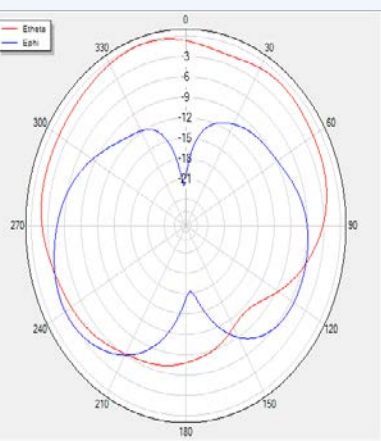


3DTestReporfrequencyband/efficiency/gainpassivedata

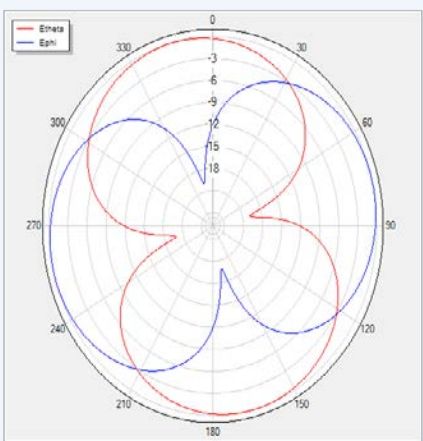
Frequency/Mhz	Efficiency / %	MaxGain/ dBi
2400	38.82	-0.34
2410	36.39	-0.96
2420	34.2	-0.97
2430	32.51	-0.98
2440	30.55	-1.69
2450	28.97	-2.18
2460	27.48	-2.41
2470	26	-2.63
2480	24.27	-3.06
2490	22.8	-2.82
2500	21.18	-2.96

3D Test Repor2 Ddirectionalmap

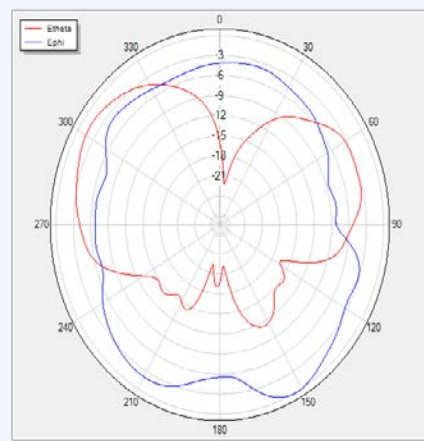
H Theta=90 freq=2400MHz



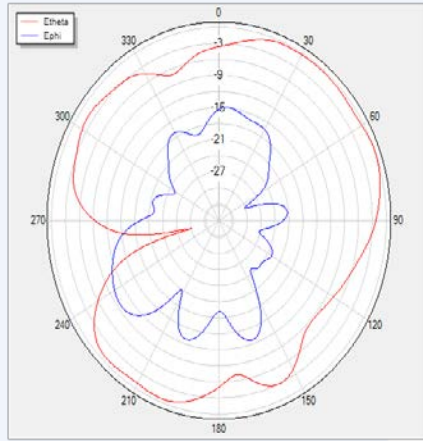
H Theta=0 freq=2400MHz



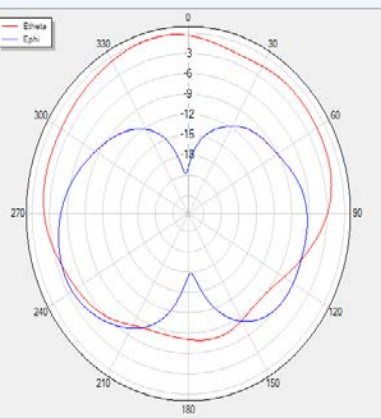
V Phi=90 freq=2400MHz



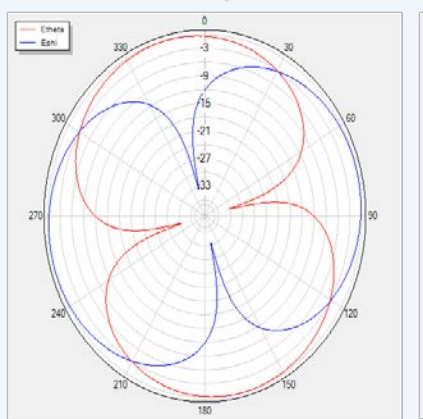
V Phi=0 freq=2400MHz



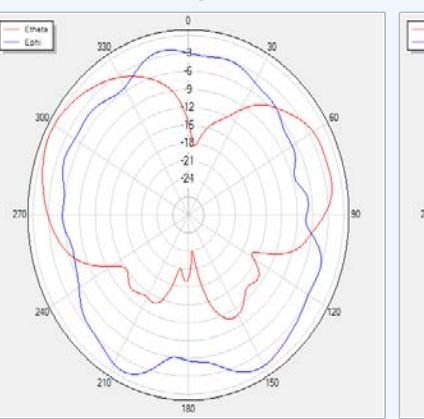
H Theta=90 freq=2450MHz



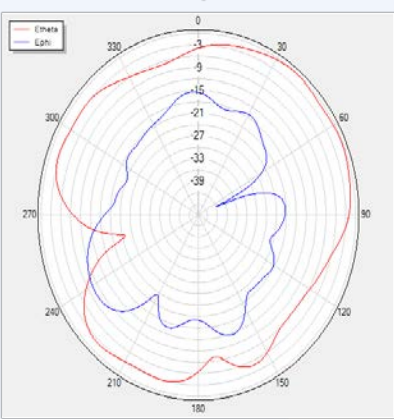
H Theta=0 freq=2450MHz



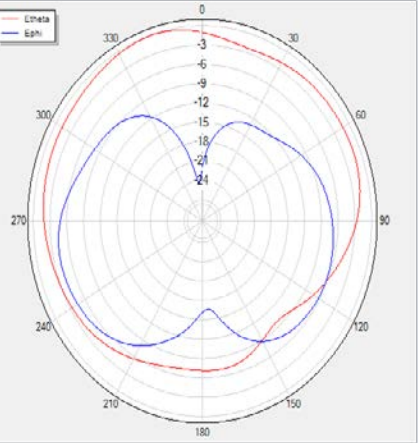
V Phi=90 freq=2450MHz



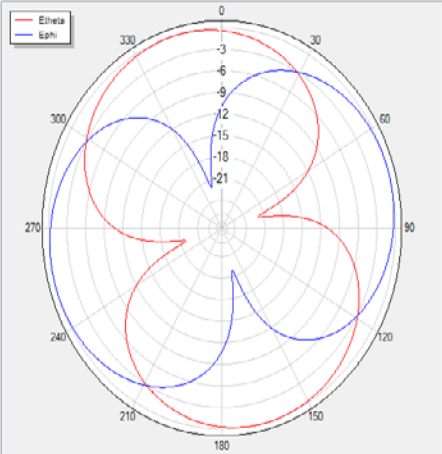
V Phi=0 freq=2450MHz



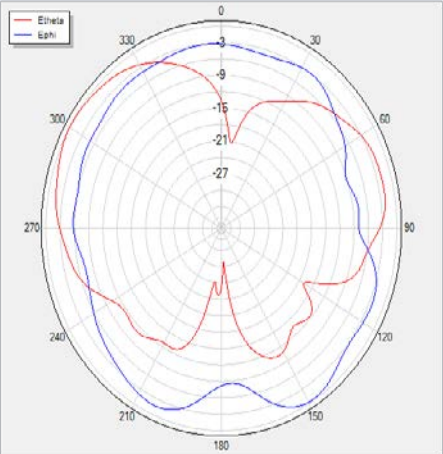
H Theta=90 freq=2500MHz



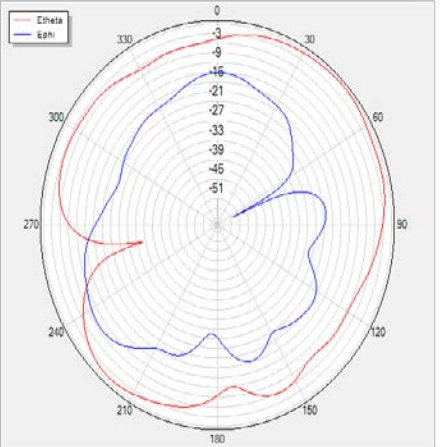
H Theta=0 freq=2500MHz



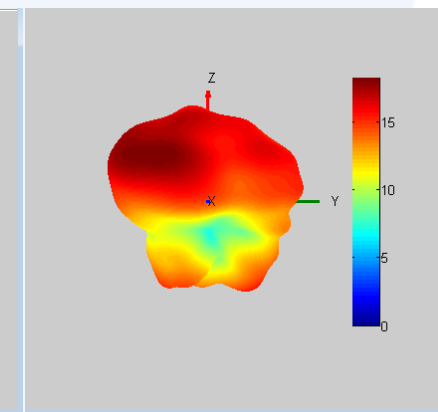
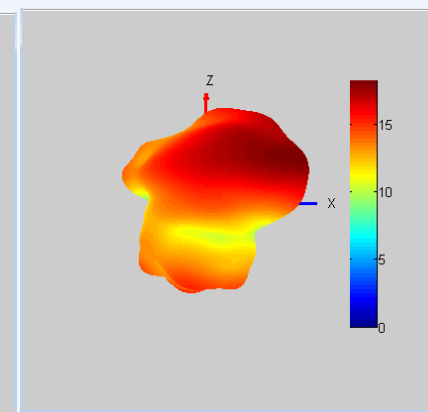
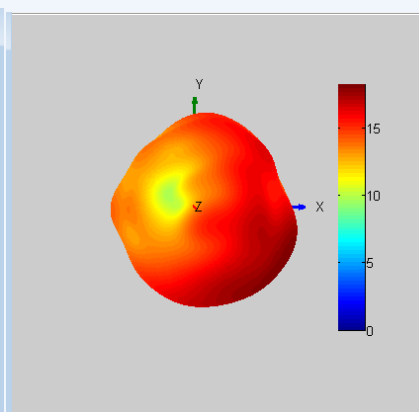
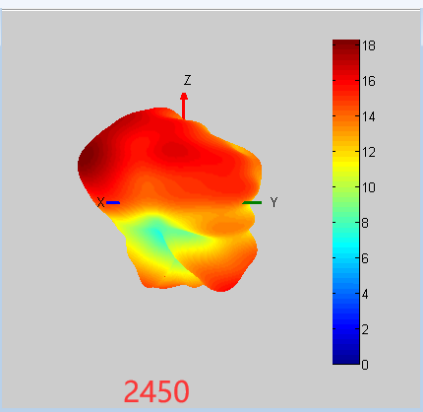
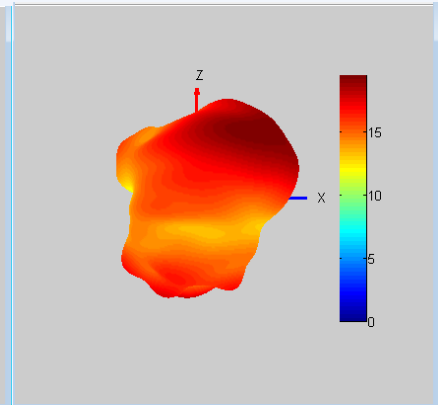
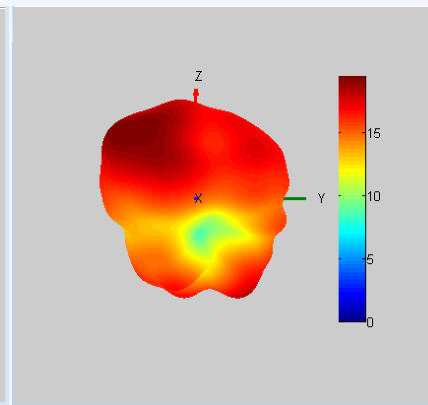
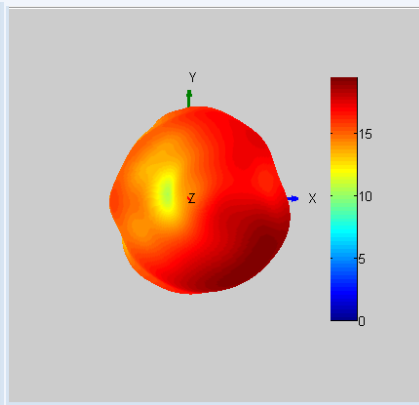
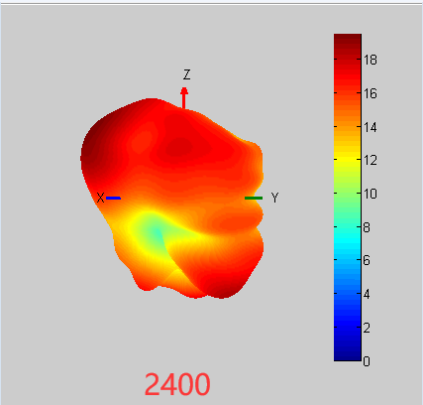
V Phi=90 freq=2500MHz

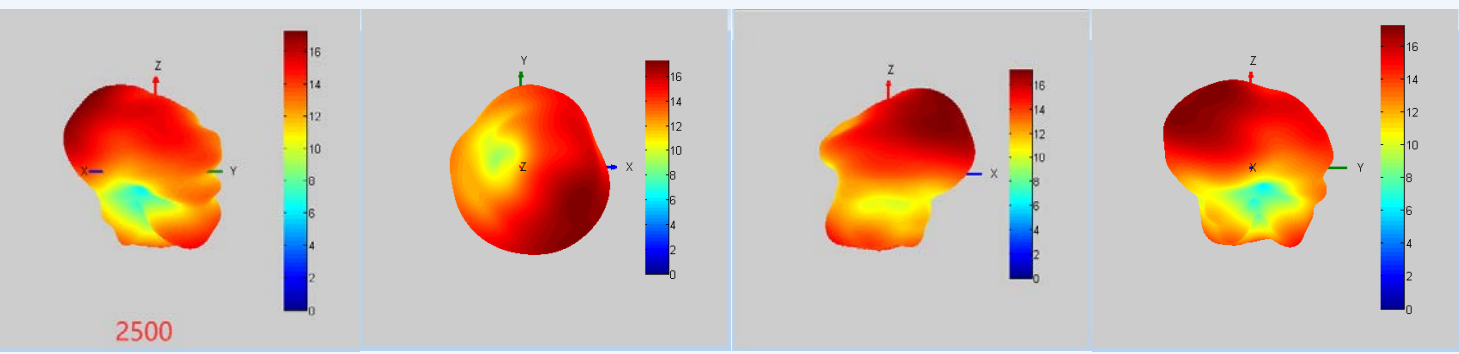


V Phi=0 freq=2500MHz

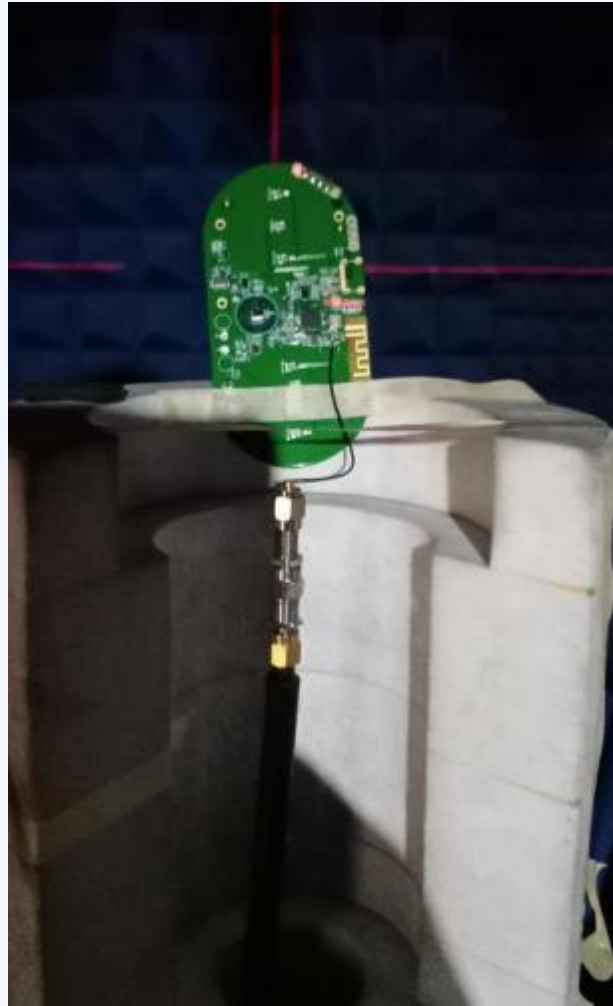


3D TestRepor3D





Location diagram of darkroom placement



ProfessionalRFresearchanddevelopmentinstitution



Thank You !

ShenzhenJianshengElectronicIndustryCo.,Ltd

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