

The title 'Antennatestreport' is centered on a blue background. The background features a pattern of glowing, spherical particles of varying sizes, some with bright highlights, creating a sense of depth and light. The text is in a large, black, sans-serif font.

Antennatestreport

Antennamanufacturer:
ShenzhenJianshengElectronicIndustry
Co.,Ltd

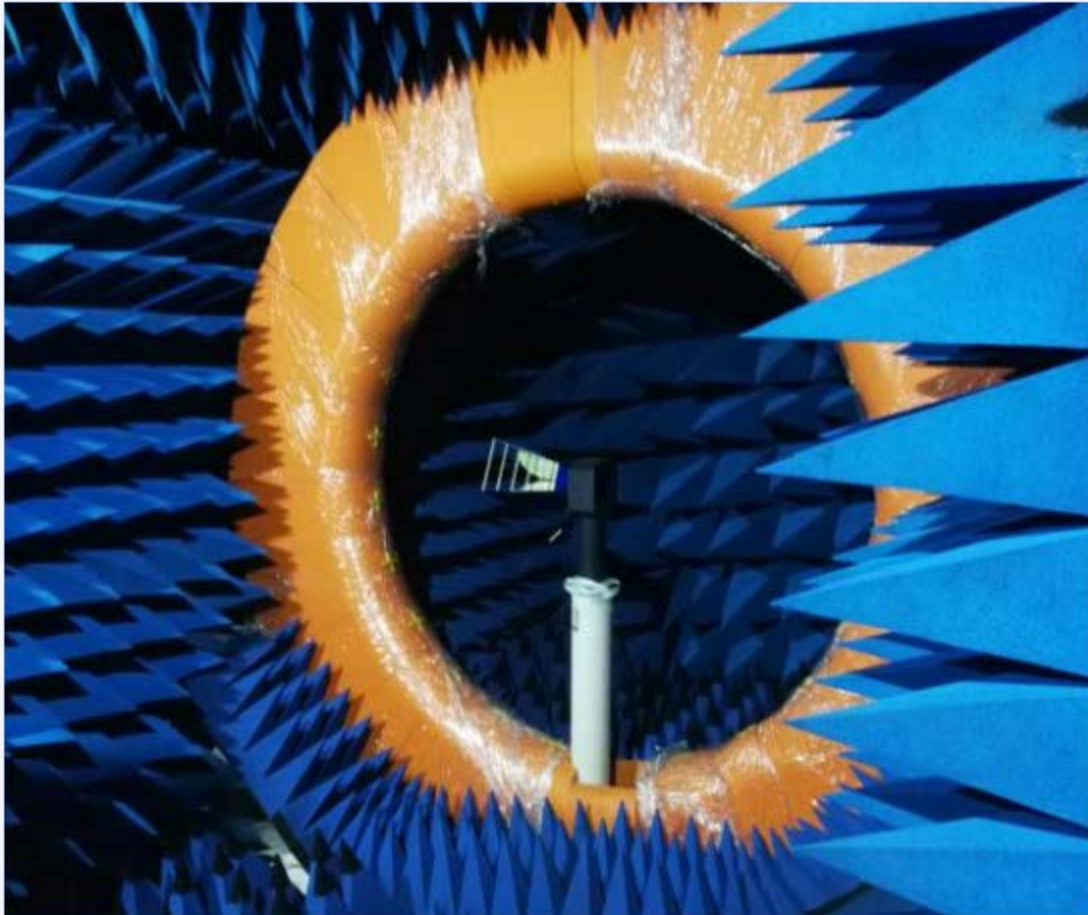
Project information

Project:

Frequency band: 2400MHz-2500MHz

Note: onboard antenna

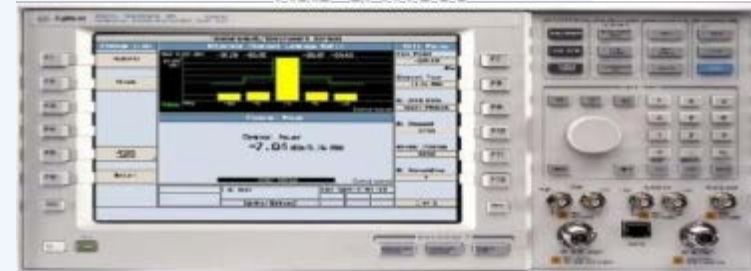
Testing instruments and equipment



A 24-probe microwave chamber



R&S CMW500



Agilent E5515c



Agilent Technologies E5071B

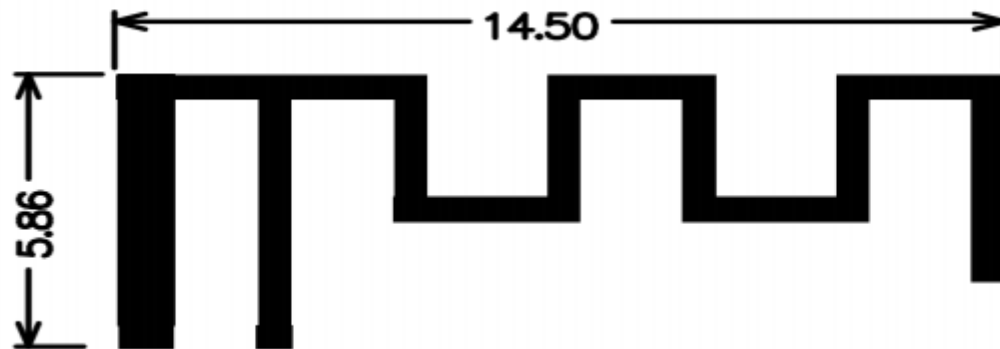
AntennaProjectDesignandDebuggingInstructions

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

Antenna sizediagram

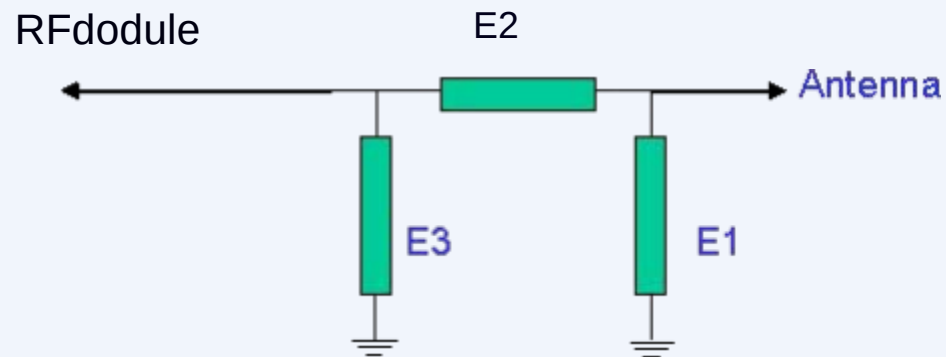
Drawing

Unit:Millimeters



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

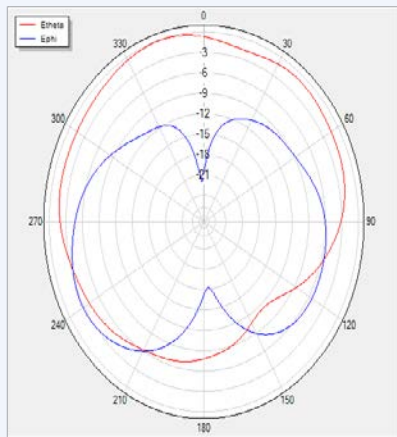


3DTestReportfrequencyband/ efficiency/ gainpassivedata

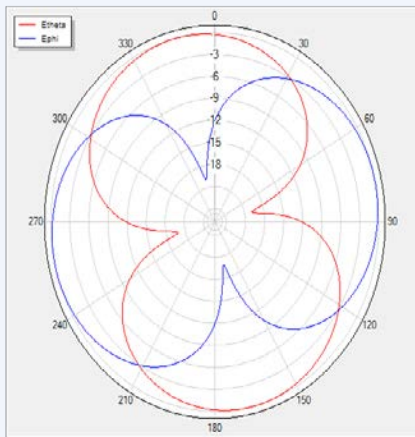
Frequency/Mhz	Efficiency / %	MaxGain/ dBi
2400	38.82	-0.34
2410	36.39	-0.96
2420	34.2	-0.97
2430	32.51	-0.98
2440	30.55	-1.69
2450	28.97	-2.18
2460	27.48	-2.41
2470	26	-2.63
2480	24.27	-3.06
2490	22.8	-2.82
2500	21.18	-2.96

3DTestRepor2Ddirectionalmap

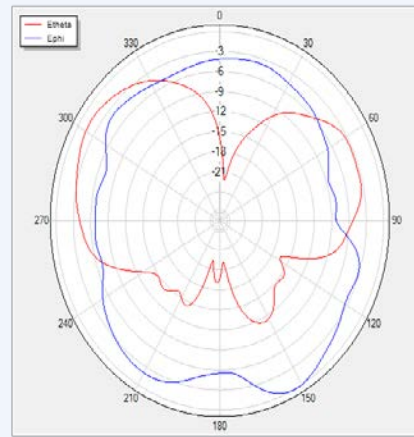
H Theta=90 freq=2400MHz



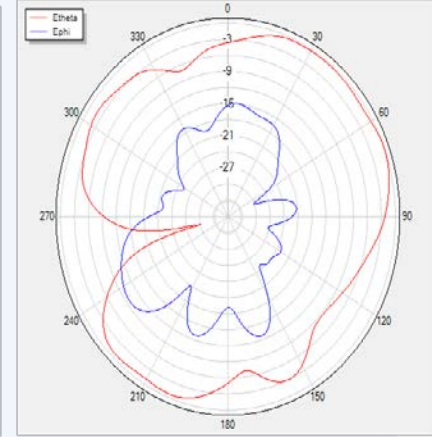
H Theta=0 freq=2400MHz



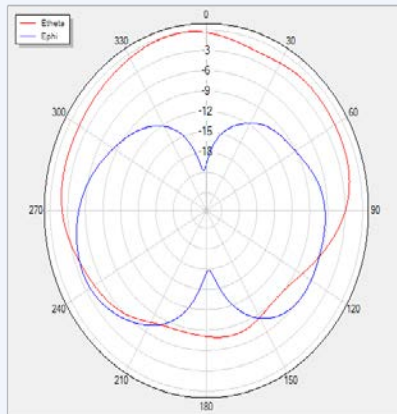
V Phi=90 freq=2400MHz



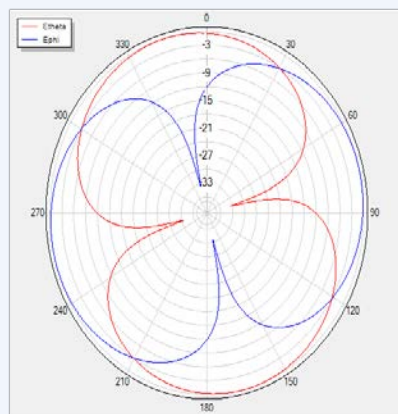
V Phi=0 freq=2400MHz



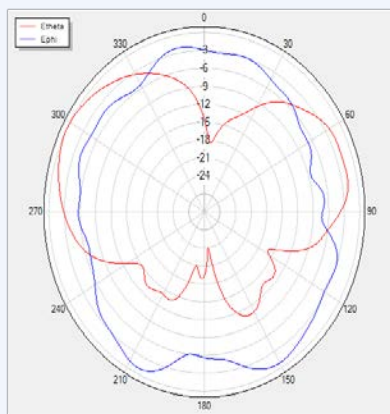
H Theta=90 freq=2450MHz



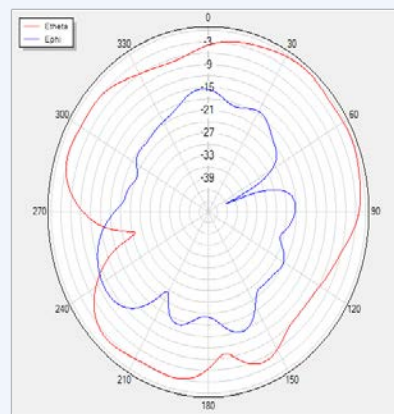
H Theta=0 freq=2450MHz



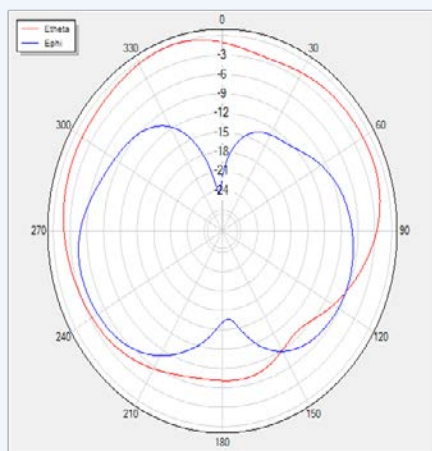
V Phi=90 freq=2450MHz



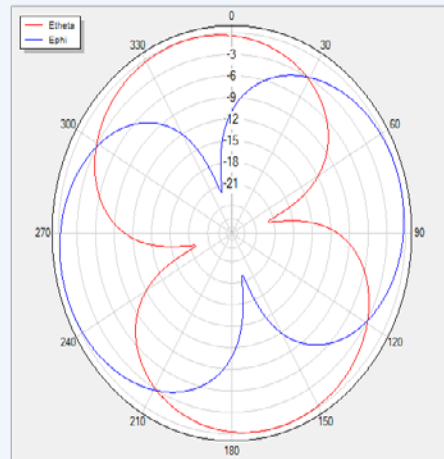
V Phi=0 freq=2450MHz



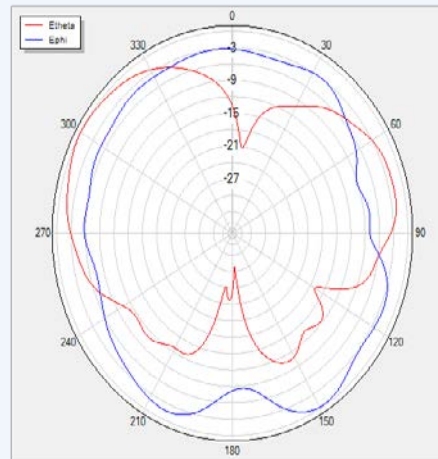
H Theta=90 freq=2500MHz



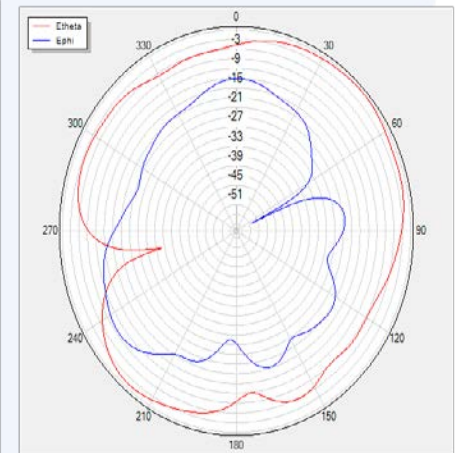
H Theta=0 freq=2500MHz



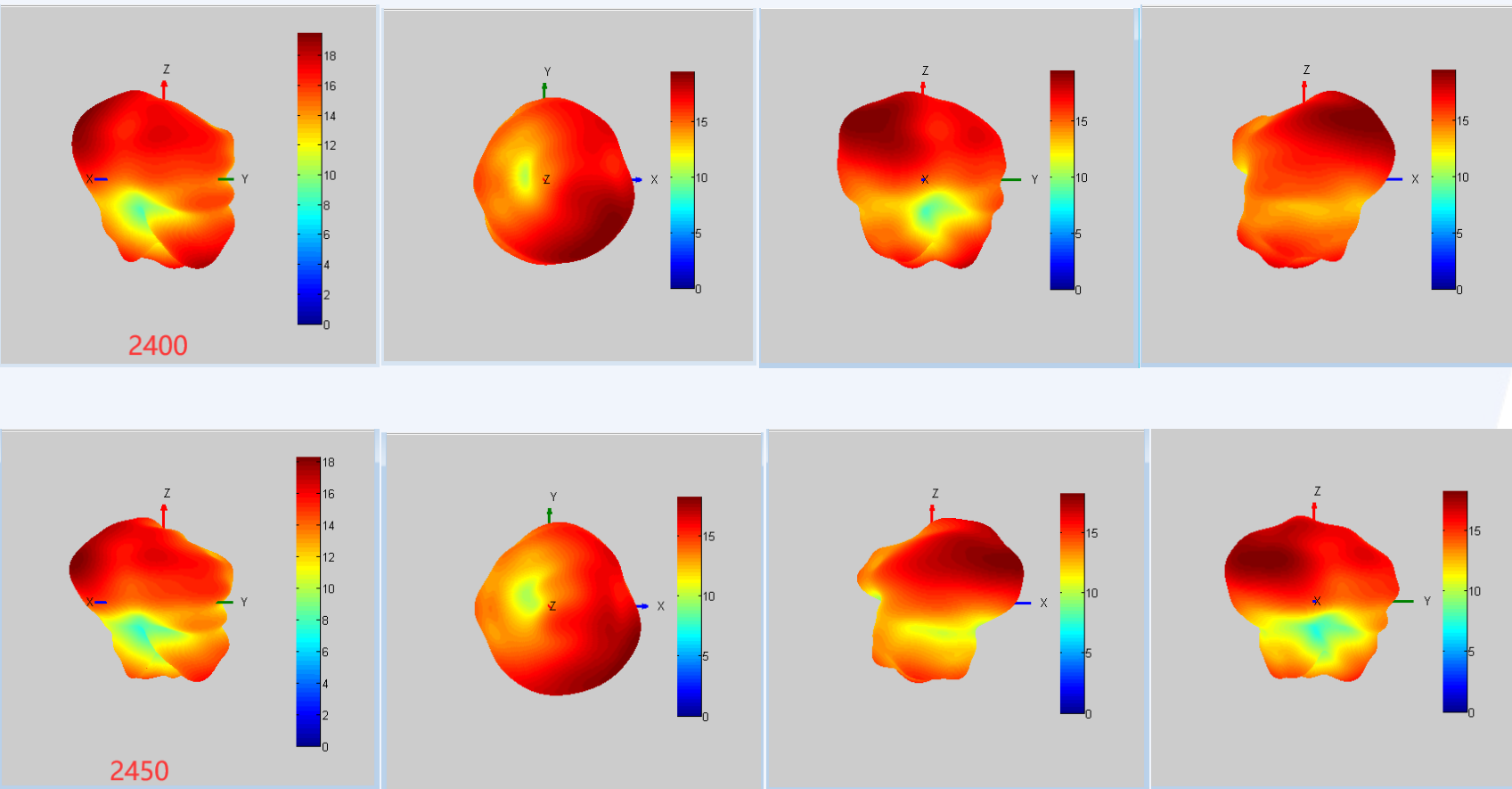
V Phi=90 freq=2500MHz

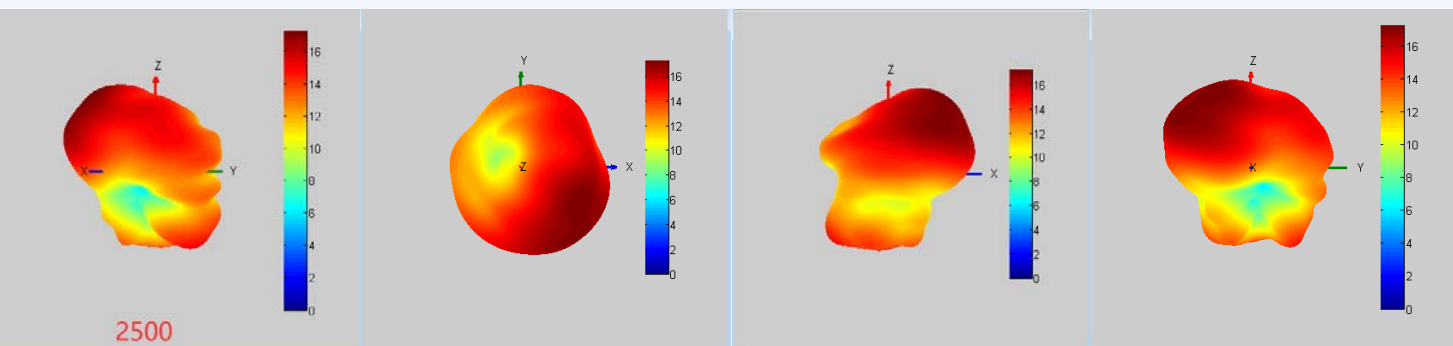


V Phi=0 freq=2500MHz



3D TestRepor3D

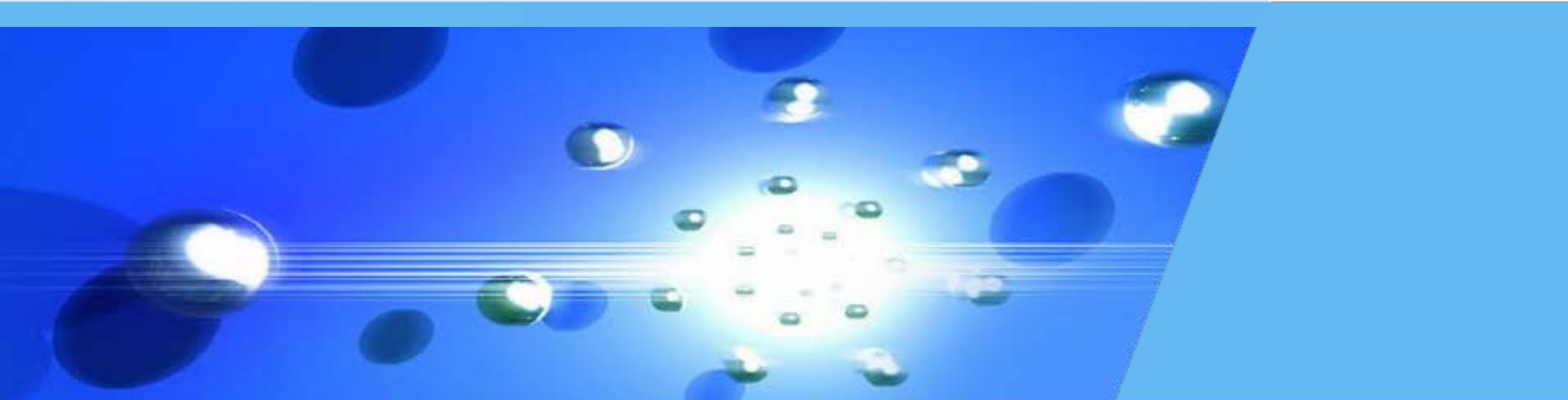




Location diagram of dark room placement



Professional RF research and development institution



Thank You !

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