

LW001-BGE Antenna

PRODUCTS

Part No.	Weight	Dimensions (L x WxH)
M04-0103790R0A		50.16*37.90*0.2mm

SPECIFICATIONS

PARAMETER	SPECIFICATION
Frequency Bands, MHz	850-930
VSWR (Max)	2.5:1
Peak Gain, dBi (Typ)	Up to 0.8 dBi
Peak Efficiency, %	Up to 54.91%
Nominal Impedance	50 Ω
Max Power (ambient temp of 25°C)	10 Watts
Polarization	Linear
Color	Black
Storage Temperature Range (°C)	-40° C to +85° C
Operational Temperature Range (°C)	-40° C to +85° C
Material Substance Compliance	RoHS Compliant

MyAntenna RF Technology Co., Ltd

ADD:Room 410, Building A, Fenghuang Zhigu, No. 50 Tiezi Road, Gongle Community, Xixiang Street, Baoan District,Shenzhen
M/N:LW001-BGE

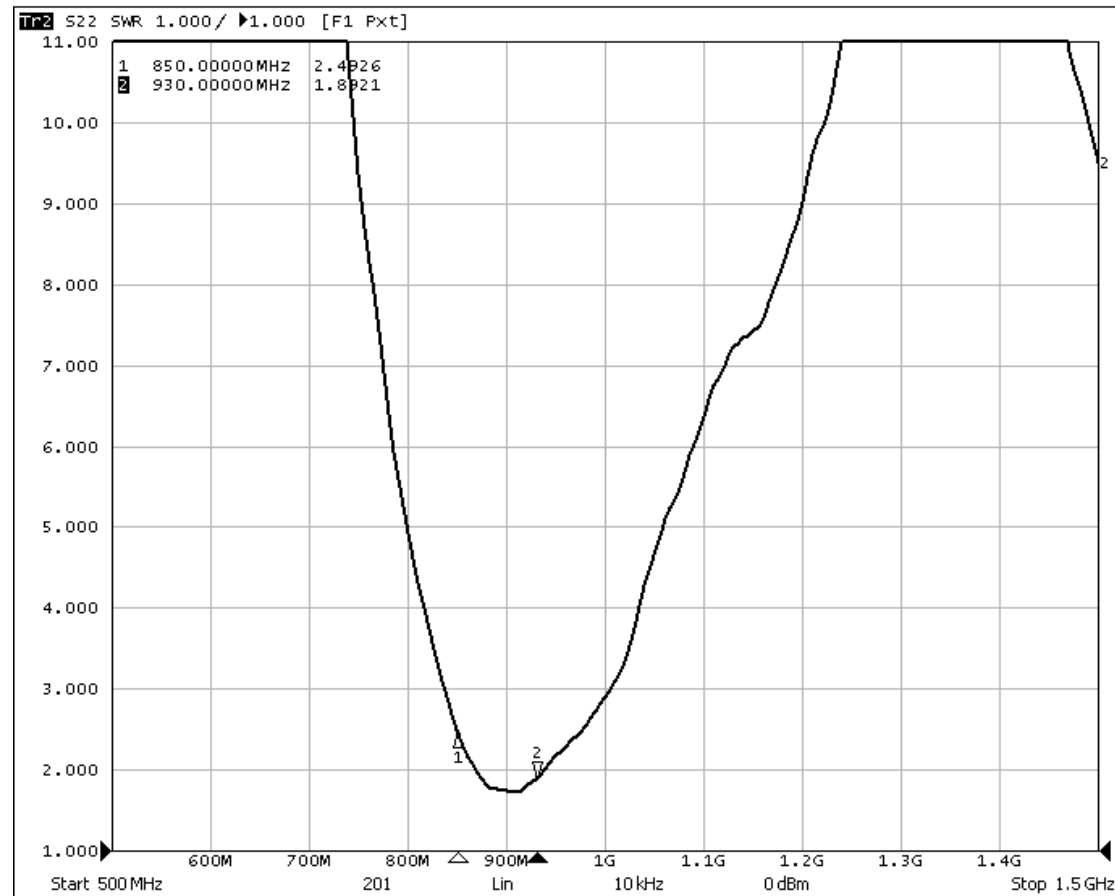
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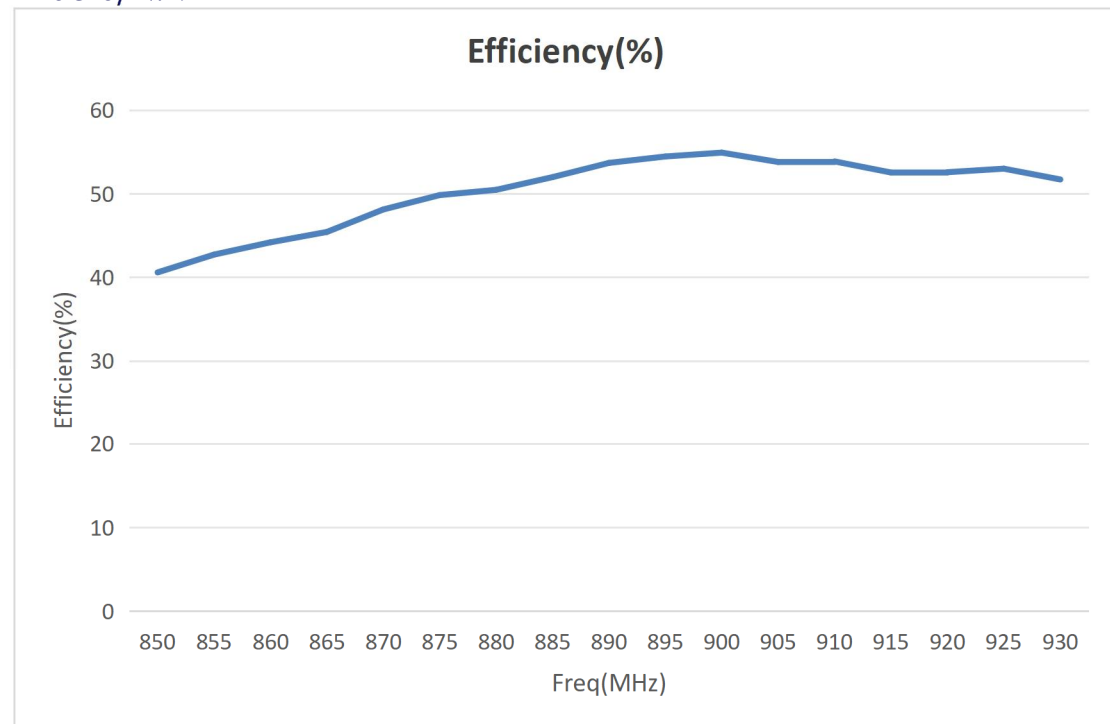
TEL: +86-0755-86503881 E-mail: nfc@myantenna.com

ELECTRICAL DATA

VSWR



Efficiency (%)

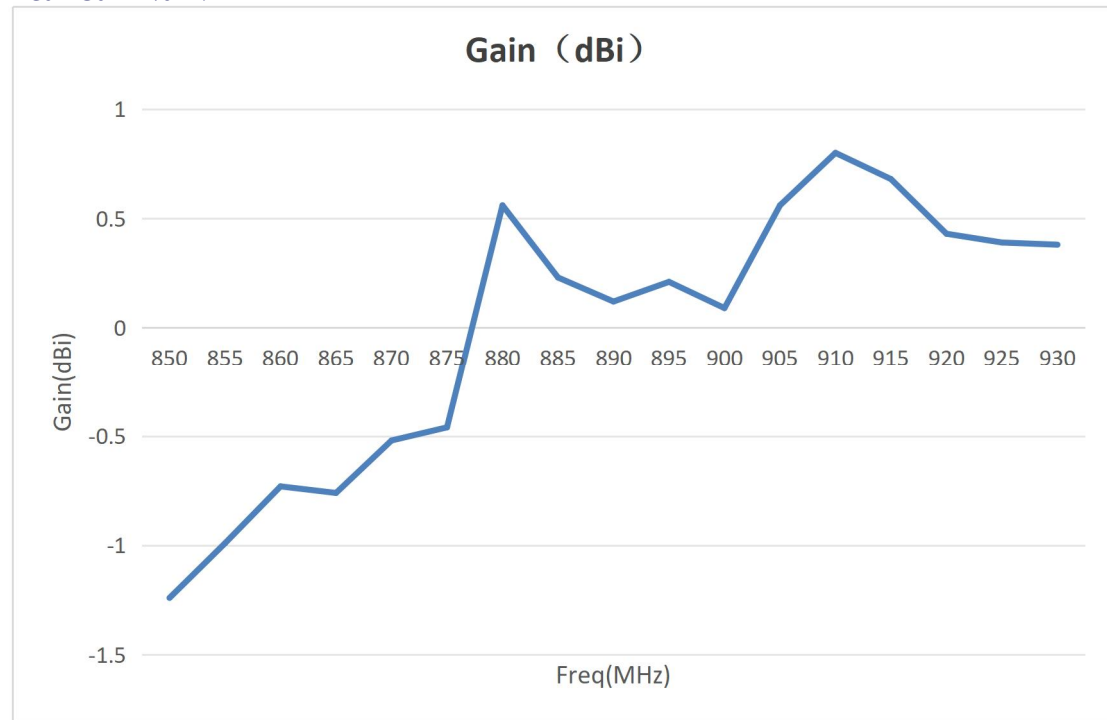


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Peak Gain (dBi)



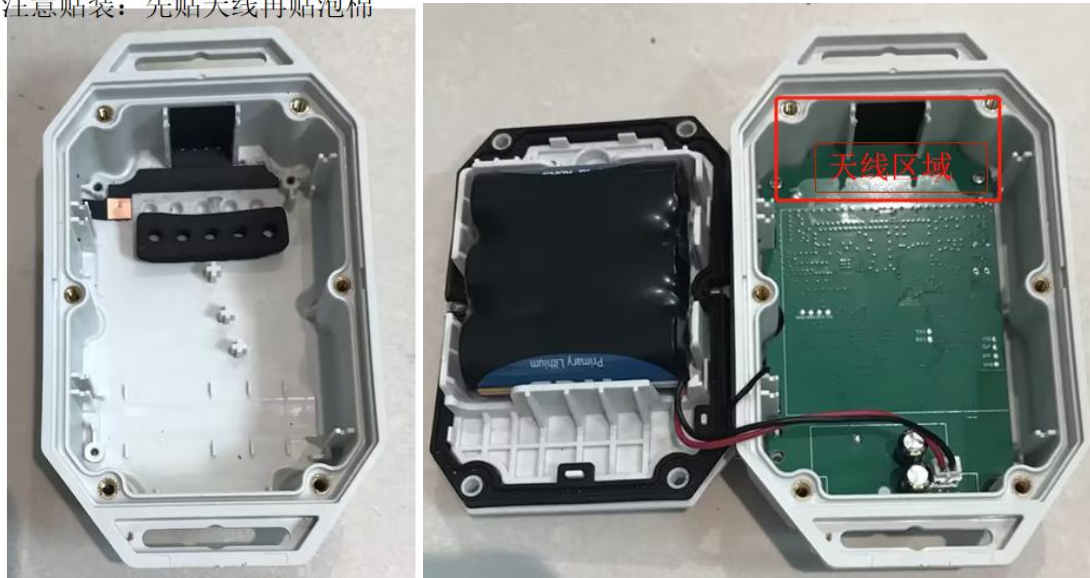
Data list

Freq(MHz)	Gain (dBi)	Efficiency(%)
850	-1.24	40.58
855	-0.99	42.71
860	-0.73	44.18
865	-0.76	45.42
870	-0.52	48.11
875	-0.46	49.83
880	0.56	50.46
885	0.23	51.98
890	0.12	53.68
895	0.21	54.45
900	0.09	54.91
905	0.56	53.79
910	0.8	53.86
915	0.68	52.53
920	0.43	52.57
925	0.39	52.99
930	0.38	51.7

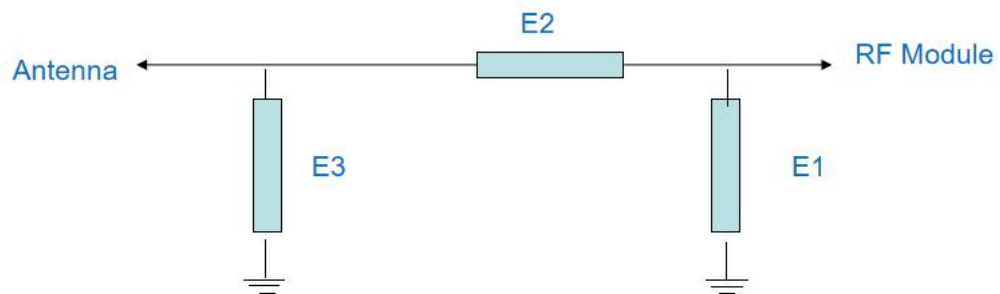
Whole machine diagram



注意贴装：先贴天线再贴泡棉



Matching Circuit



Element	Value
E1(0402)	NC
E2(0402)	3.9PF
E3(0402)	NC



RADIATION PATTERNS

Radiation pattern reference

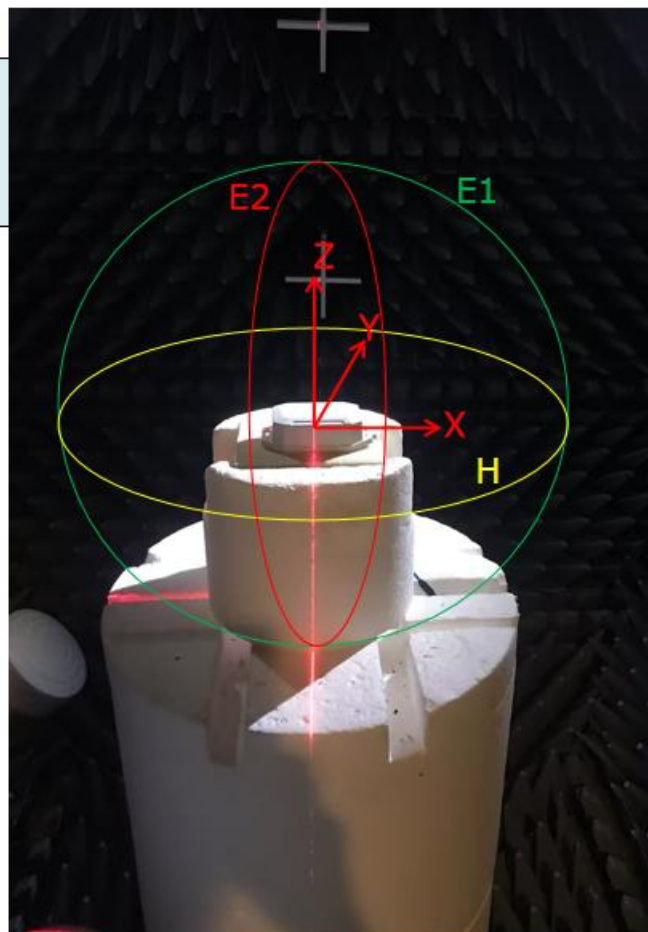
暗室测试坐标示意图

坐标对应如下:

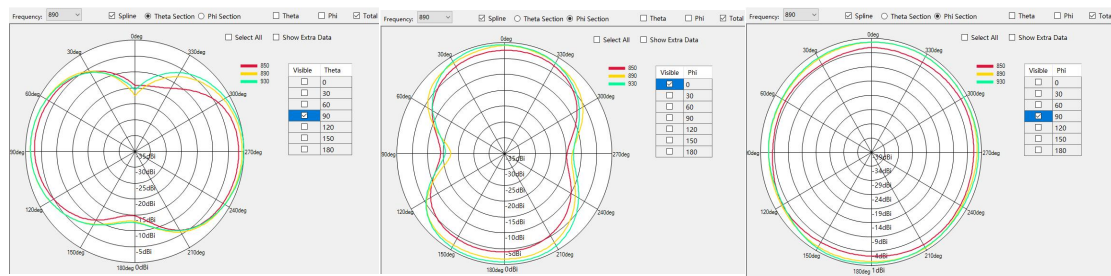
H = XY

E1 = ZX

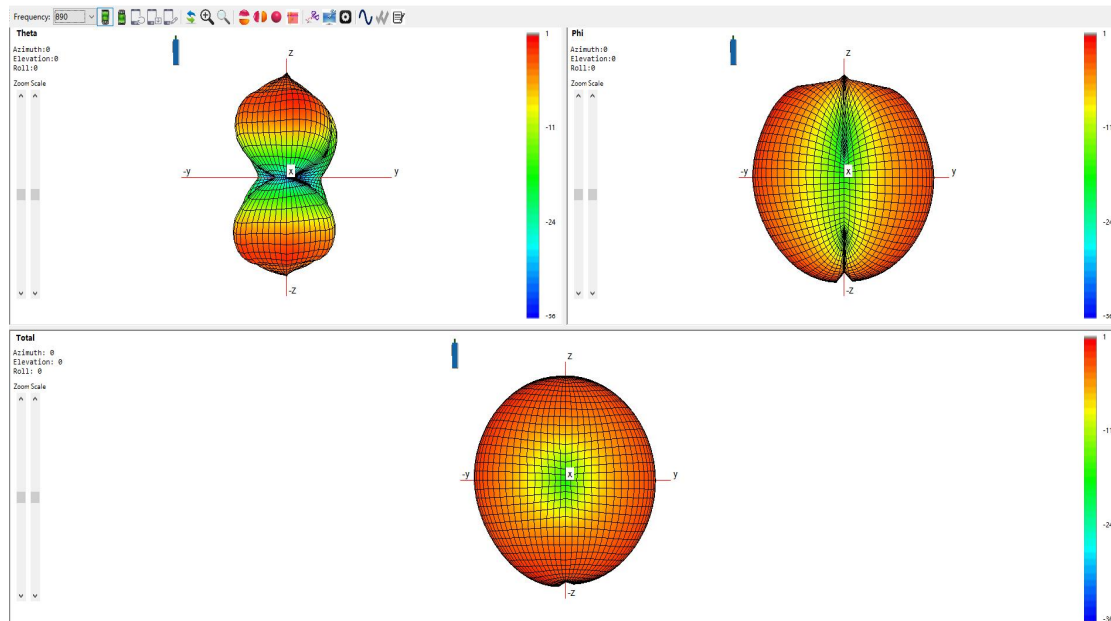
E2 = ZY



2D Radiation Pattern at 890MHz Gain=0.12dBi



3D Radiation Pattern at 890MHz Gain=0.12dBi



HOUSING CONFIGURATIONS

