



承 认 书

SPECIFICATION FOR APPROVAL

客户名称 Customer Name: 珠海市智迪科技股份有限公司

产品型号 Product Model: MG725F

客户料号 Customer P/N :

佳德料号 Jiade P/N: WJ. 05. 0000060

产品规格 SPECIFICATIONS: 频道 2400MHZ-2500MHZ 钢片天线

制作日期 Production date: 2026-2-25

封样版本 Sample Version: V1.0

佳德（JIA DE）		
编制（FICTION）	结构（SE）	研发（R&D）
客户（Customer）		
采 购（PUR）	品质（QC）	研发（R&D）

生产厂商：佳德无线科技（深圳）有限公司

深圳地址：深圳市福田区泰然六路苍松大厦北座 601-602

电 话：0755-33353180 邮箱：olinama@jiadew.com

网 址：www.jiadew.com

[illegible]

一、The basic parameters:

A. Electrical Characteristics	
Frequency	2400MHZ~2500MHZ
VSWR	< 1.5
Avg Efficiency	自由状态 >55%
Impedance	50 Ohm
Polarization	Linear
Peak Gain	自由状态 : 2.84dBi
B. Material & Mechanical Characteristics	
Material of Radiator	钢片 True qualities
Cable Type	/
Connector Type	/
Dimension (mm)	19.8mm*9.61mm*0.3mm
C. Environmental	
Operation Temperature	- 20 °C ~ + 60 °C
Storage Temperature	- 20 °C ~ + 60 °C

二、Electrical Specification :

Those specifications were specially defined for MG725F model.

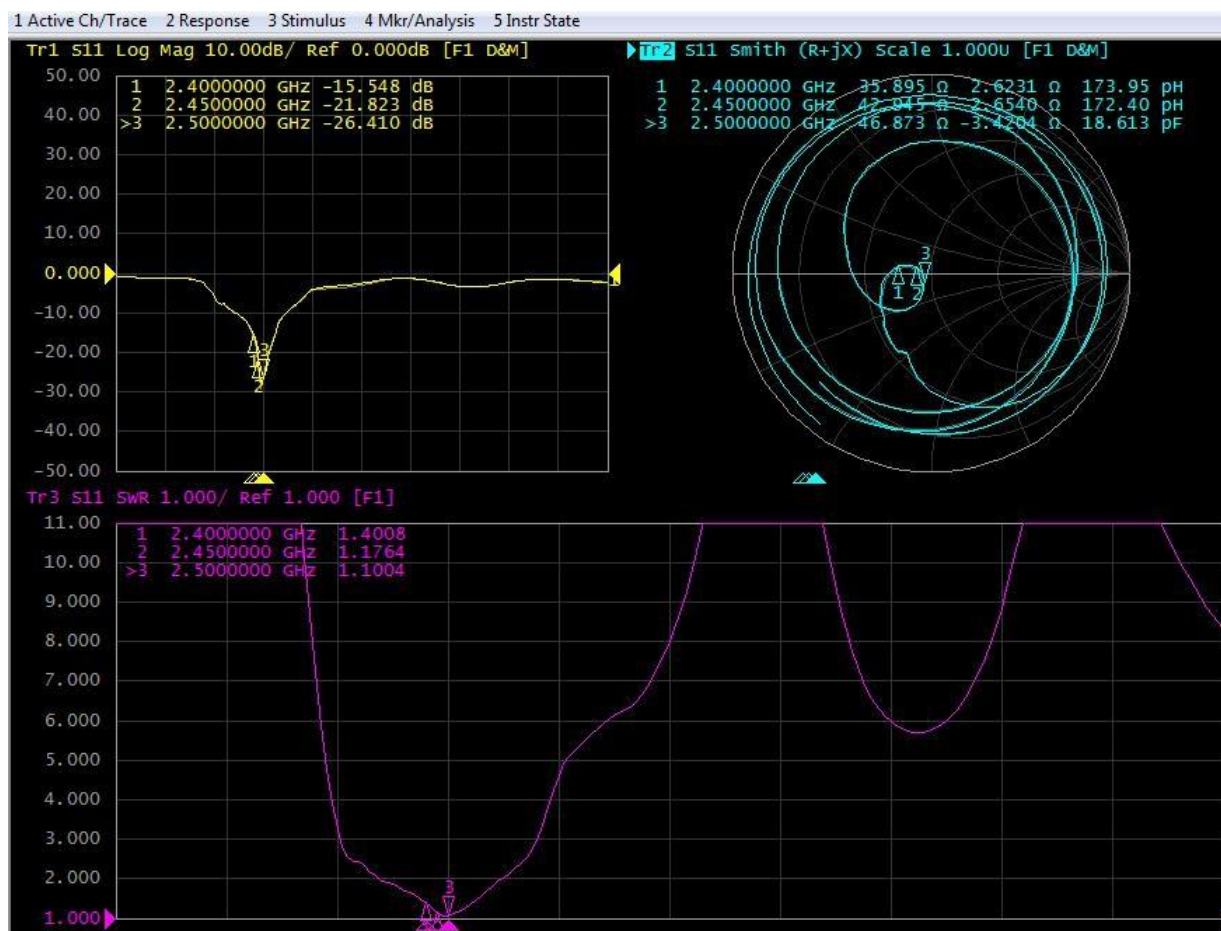
三、VSWR

1 Measuring Method

1. A 50 Ω coaxial cable is connected to the antenna. Then this cable is connected to a network analyzer to measure the VSWR

2. Keeping this jig away from metal at least 20cm

2 Measurement frequency points and VSWR value



正常状态

四、Anechoic chamber

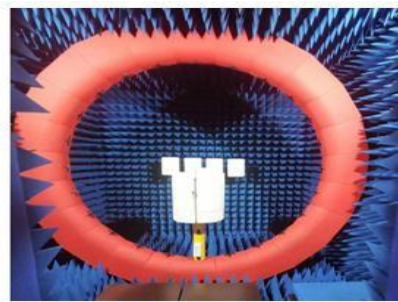
Introduction:

Microwave darkroom and no reflection chamber, absorbing short wave darkroom dark room. Microwave darkroom by electromagnetic shielding room, filtering and isolation, grounding device, the ventilation duct, indoor distribution system, monitoring system, ceiling wave material part. It is based on the wave absorbing material as the lining of the shield room, it can absorb the most of the electromagnetic energy into the six wall is a better simulation of the free space conditions.

The main working principle of microwave anechoic chamber is according to the electromagnetic wave in the medium from the low magnetic guide magnetic direction of propagation rules, absorbing materials to guide the electromagnetic wave using high permeability, through resonance, a substantial absorption of electromagnetic wave radiation energy, by coupling the electromagnetic energy into heat energy.

main performance :

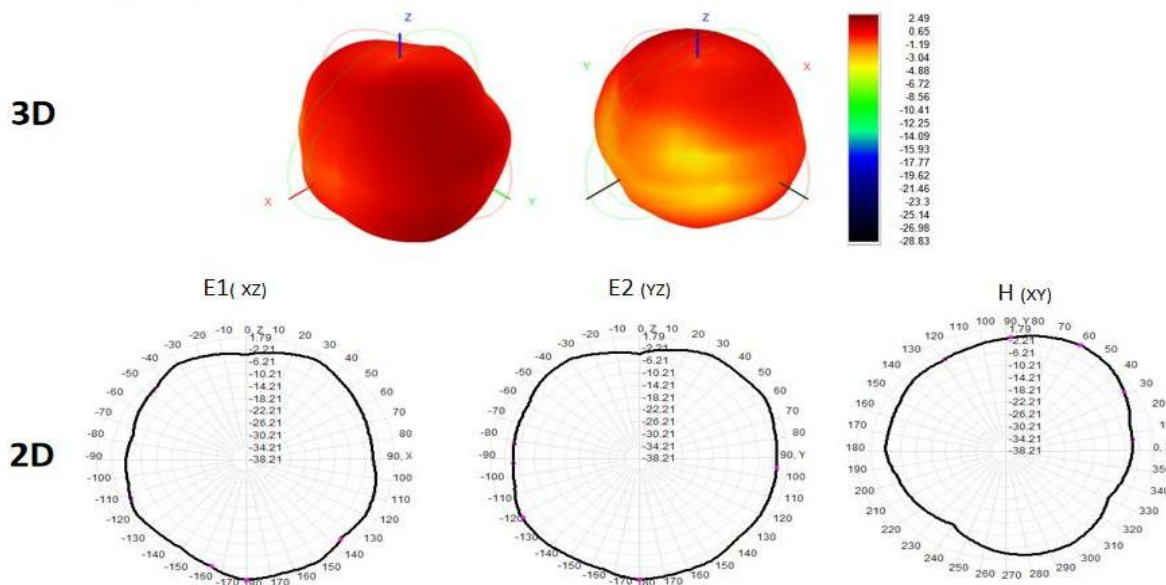
Frequency range:400MHz ~ 6GHz ceiling reflected wave loss materials: 400MHz ~ 6GHz is equal to or more than 15dB (microwave absorbing material by composite wave absorbing materials, namely tapered containing carbon sponge suction wave material paste in ferrite)



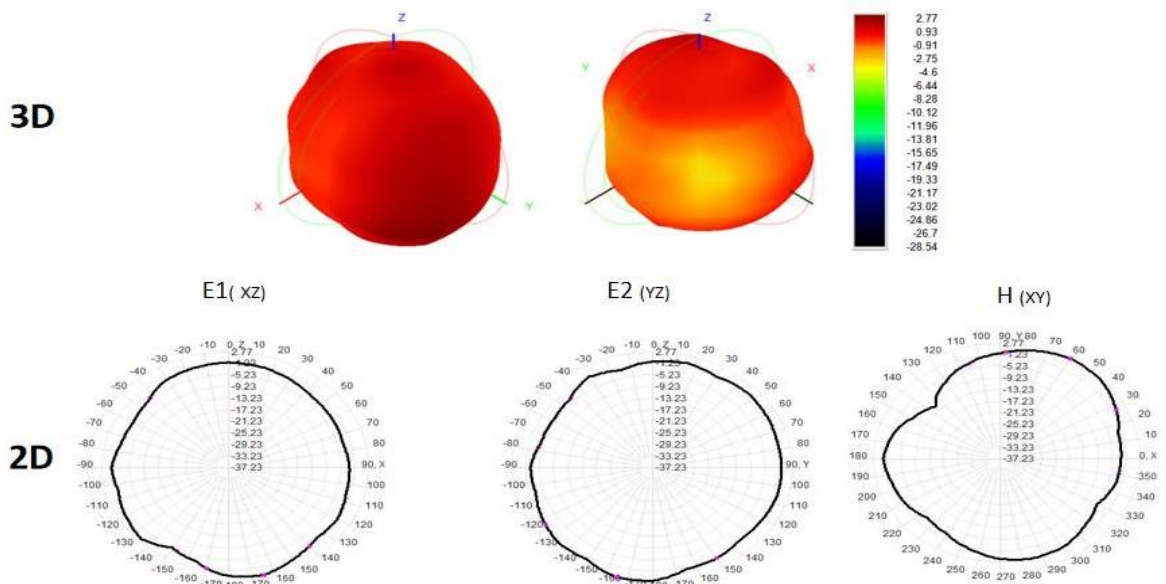
五、Gain table of Antenna

无源场型图

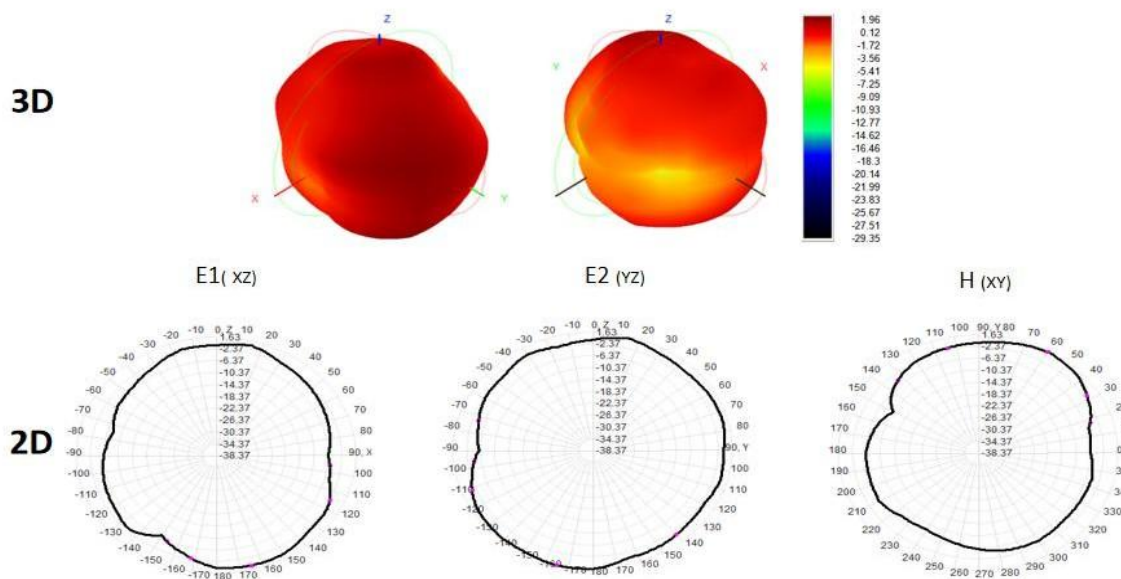
正常状态-2400MHz



正常状态-2450MHz



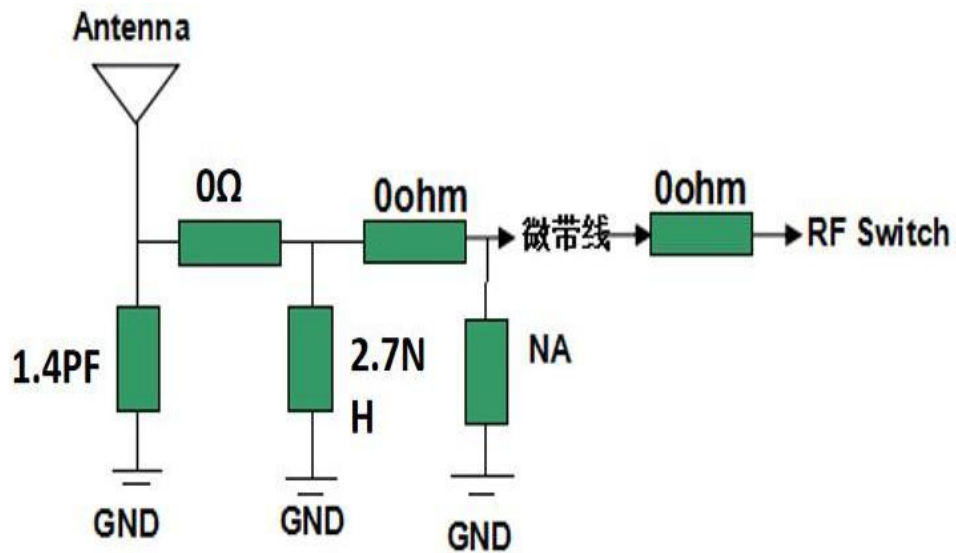
正常状态-2500MHz



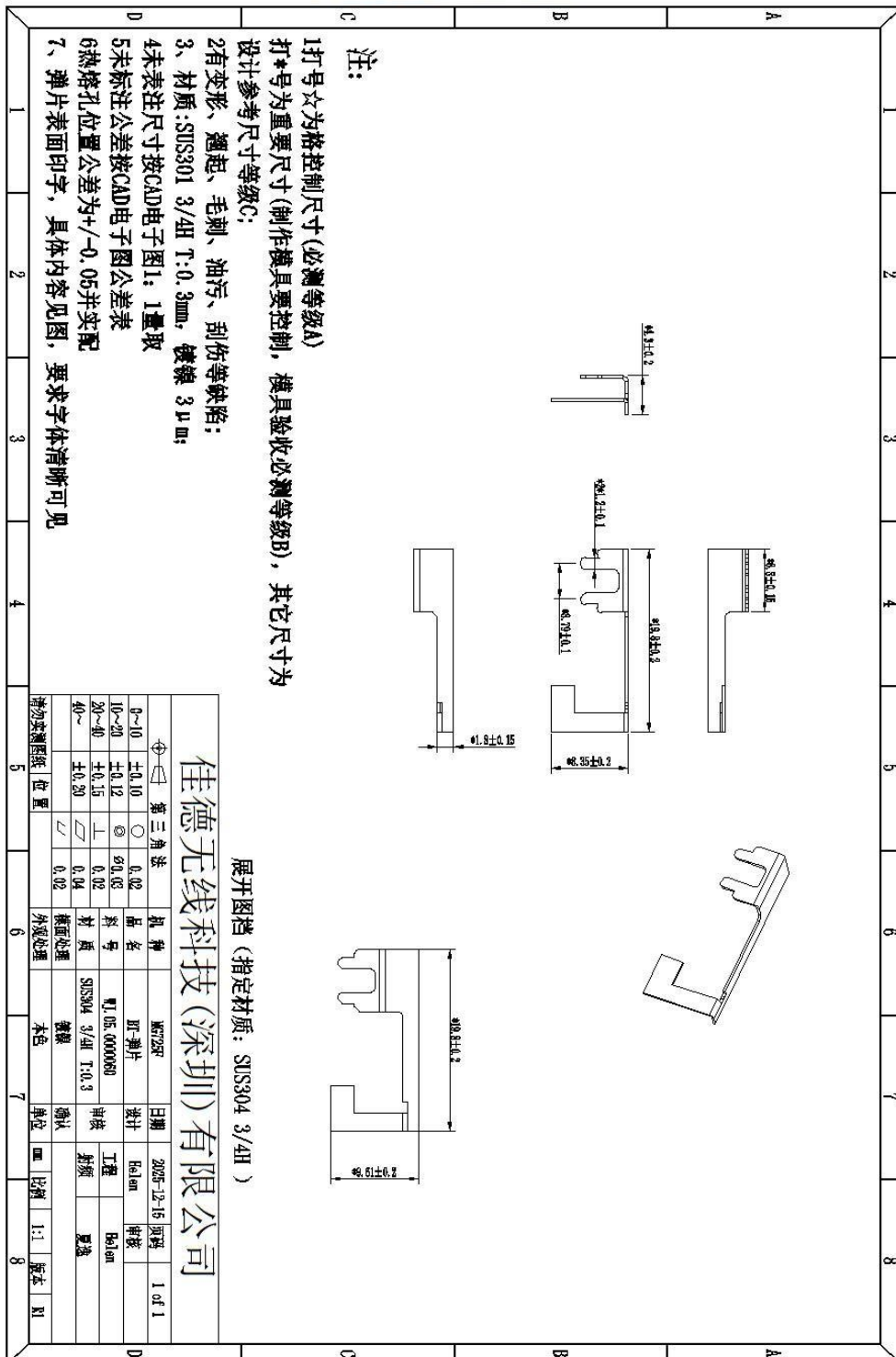
无源效率增益

正常状态			
Freq	Gain	Effi	Effi
(MHz)	(dBi)	(%)	(dBi)
2400.0	2.49	61.06	-2.14
2410.0	2.72	62.52	-2.04
2420.0	2.74	62.48	-2.04
2430.0	2.84	65.57	-1.83
2440.0	2.68	61.69	-2.10
2450.0	2.77	62.99	-2.01
2460.0	2.49	61.93	-2.08
2470.0	2.24	59.25	-2.27
2480.0	2.33	61.13	-2.14
2490.0	1.98	60.97	-2.15
2500.0	1.96	63.07	-2.00

八、Matching circuit



十、Antenna Dimensions



十一、ROHS:

Antenna WJ.05.0000060 meets RoHS requirements.

十二、Product packaging instructions:

A. packing should meet the moisture-proof, vibration, pressure and mildew proof, etc.

B. the smallest packing unit logo must have the manufacturer trademarks, product model, name, code and quantity.

C. in the attached packing list, certificate of approval, and the factory inspection report.

*****END*****