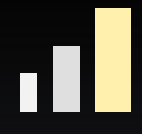


TM1 天线规格书

Basic Specifications

Specification	Descriptions
Model Name	TM1 BT-V0.3
Frequency	2.4~2.5GHz
Connector Type	弹片
Gain	0.6dBi@2.4~2.5GHz

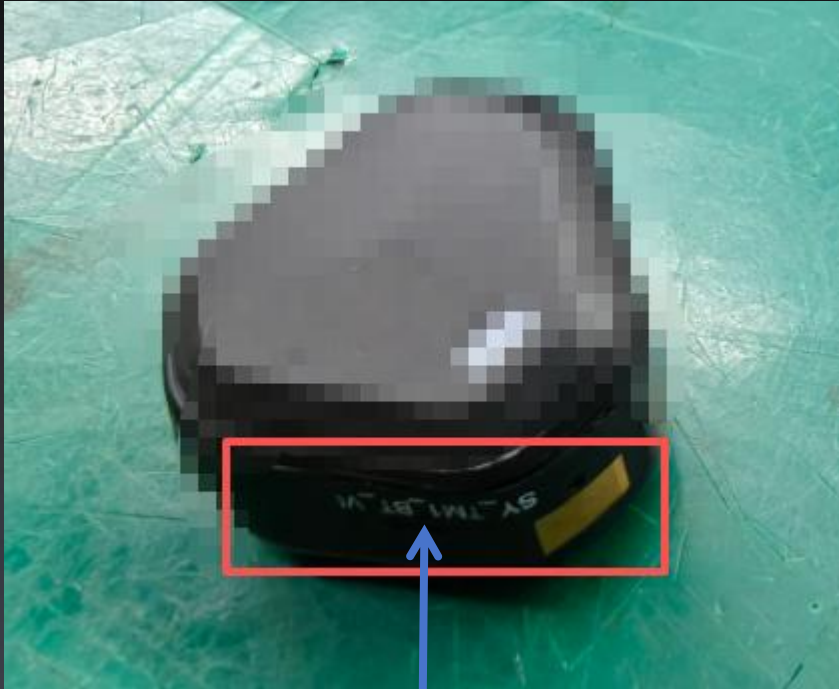
Antenna type:FPC antenna



Report Table of Contents

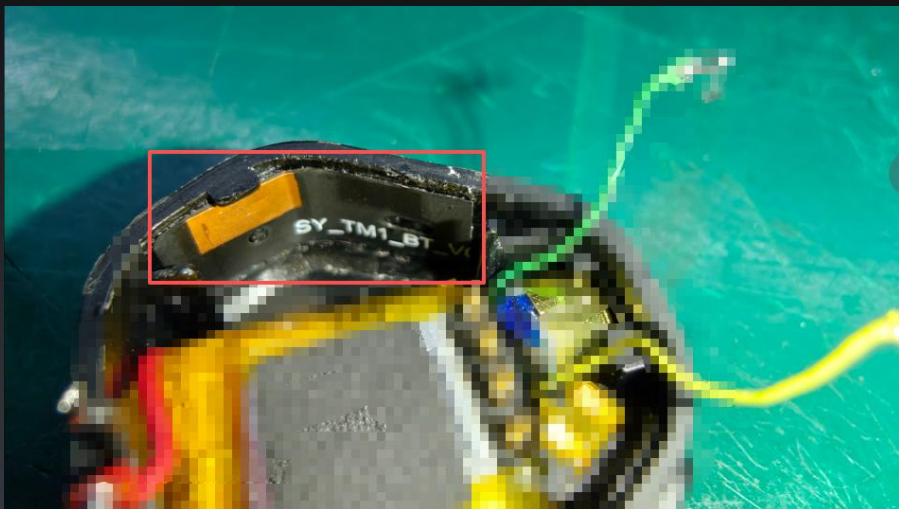
- 1、Conclusions and Suggestions
- 2、Antenna scheme
- 3、Antenna test status
- 4、Antenna passive index

Antenna solution - overall solution

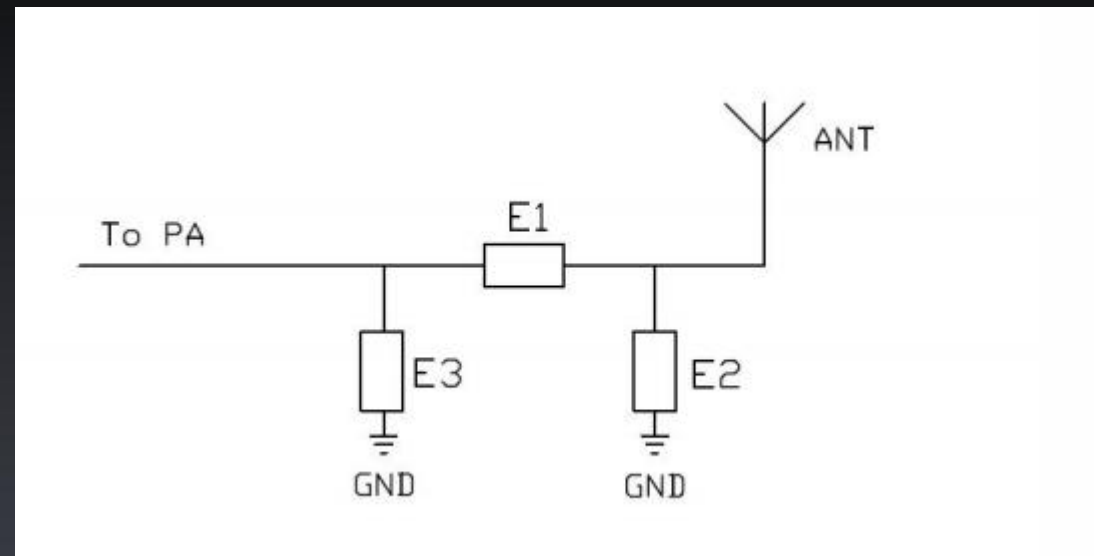


Antenna position

Antenna Solution - Solution Description



Antenna shell treatment

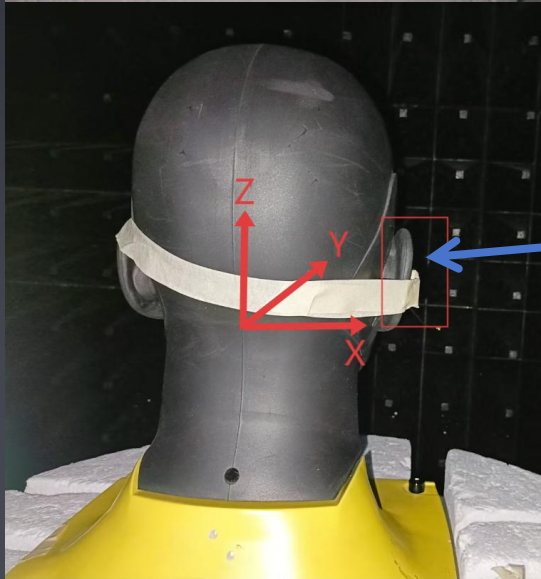


天线匹配	
E1	2NH
E2	NC
E3	NC

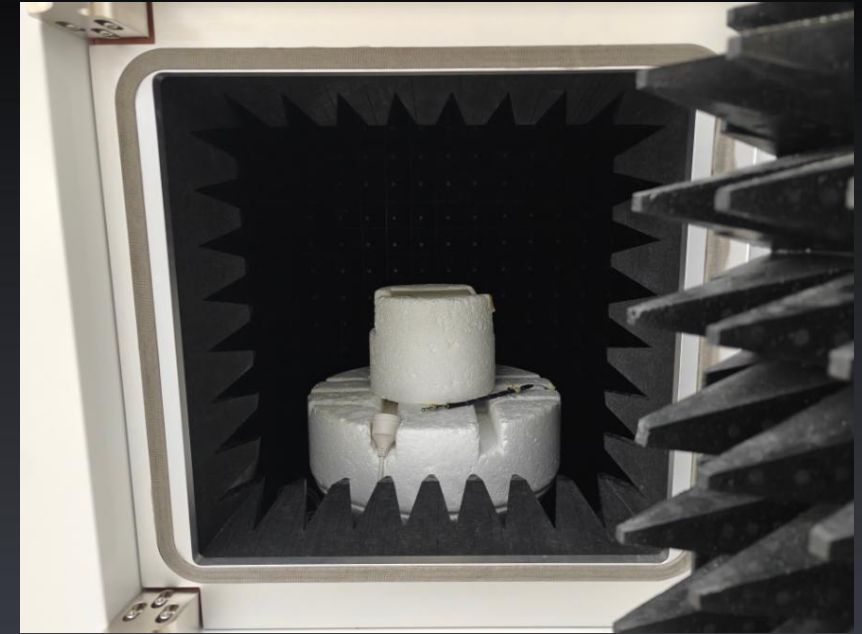
Antenna test status



Free state

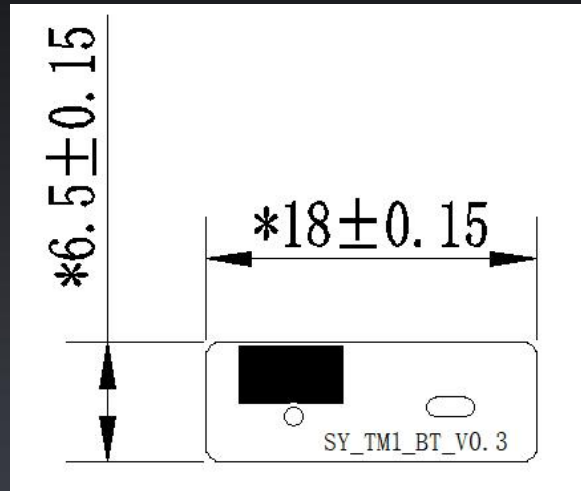


Head state



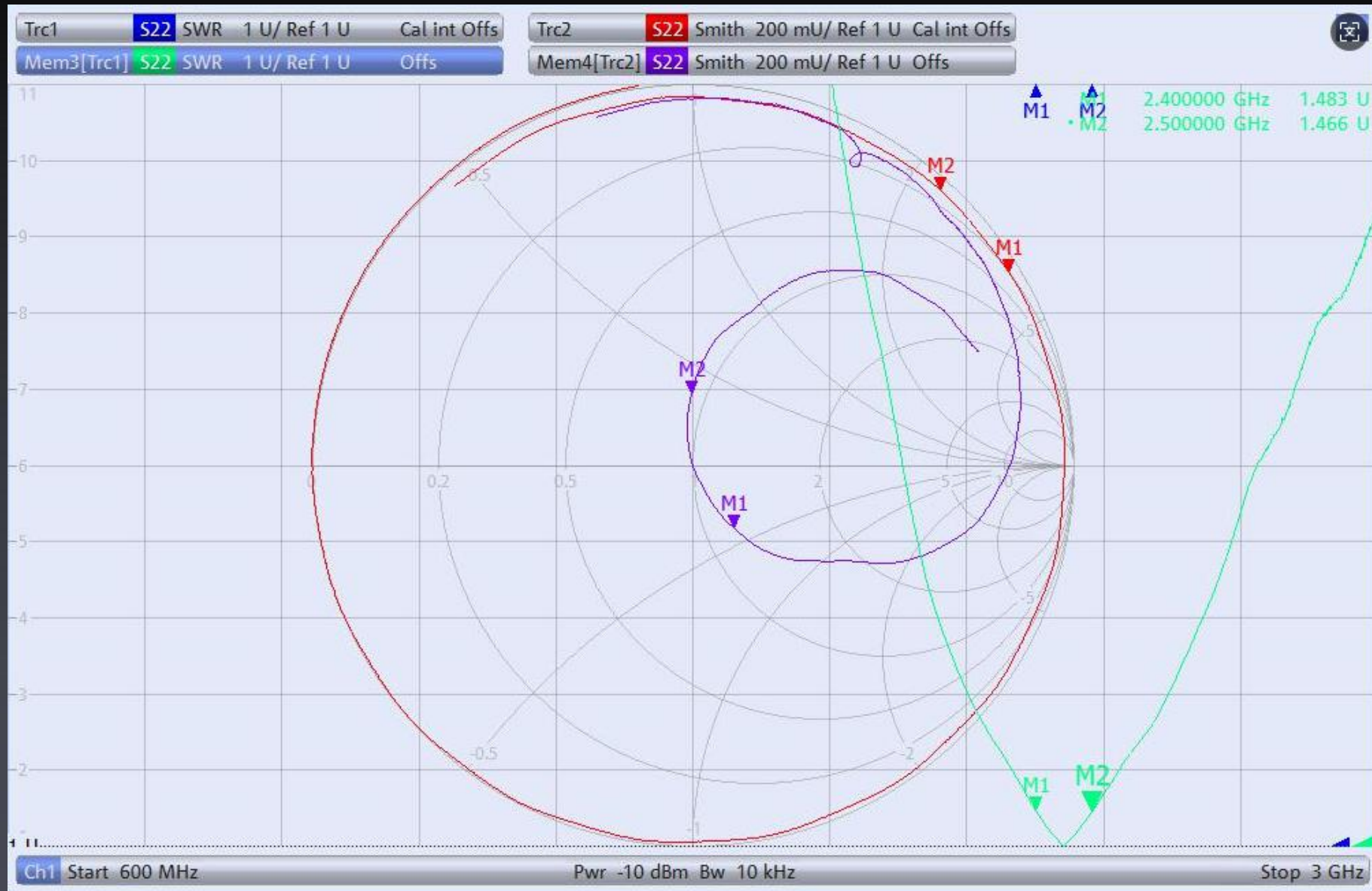
Darkroom model : 1800E

Structure drawing



18mm*6.5mm

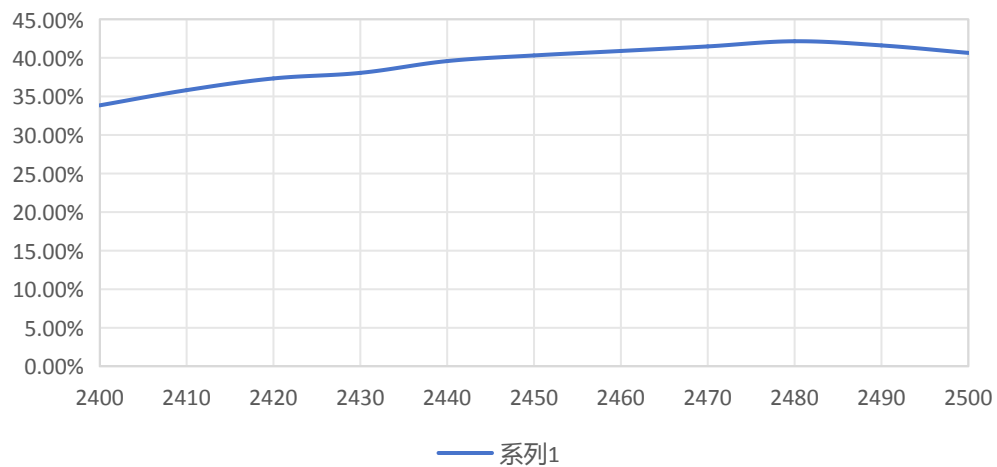
VSWR/S11



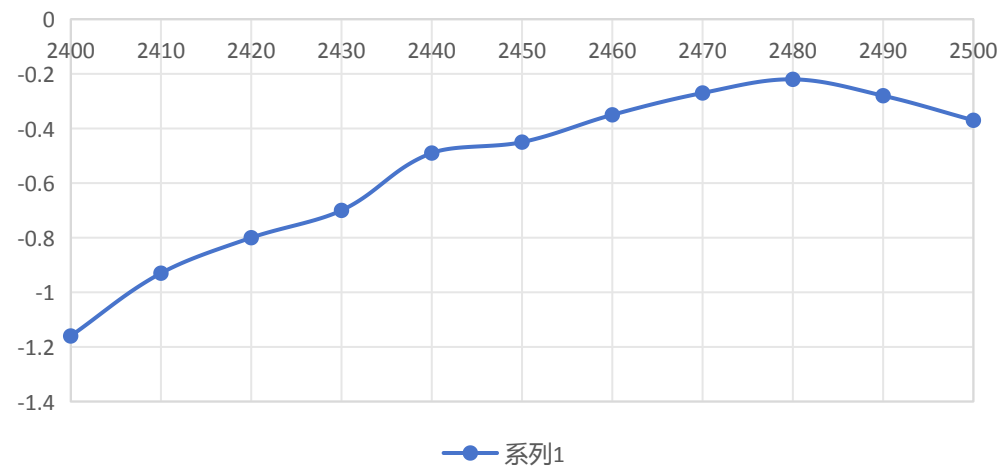
2.4G Gain & Efficiency-Free

Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Efficiency	34%	36%	37%	38%	40%	40%	41%	41%	42%	42%	41%
Efficiency (dB)	-4.7	-4.5	-4.3	-4.2	-4	-4	-3.9	-3.8	-3.8	-3.8	-3.9
Gain (dBi)	-1.2	-0.9	-0.8	-0.7	-0.5	-0.5	-0.4	-0.3	-0.2	-0.3	-0.4

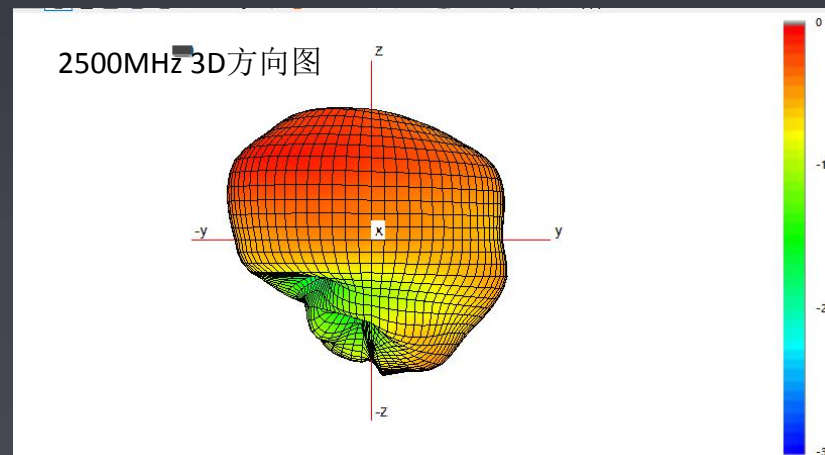
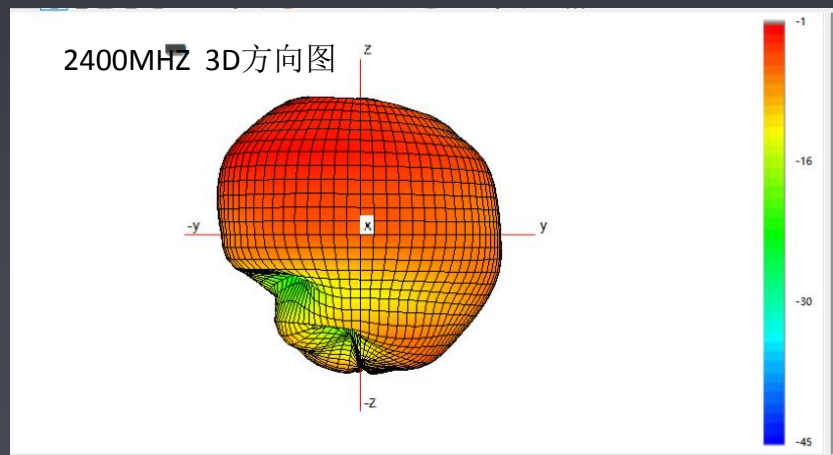
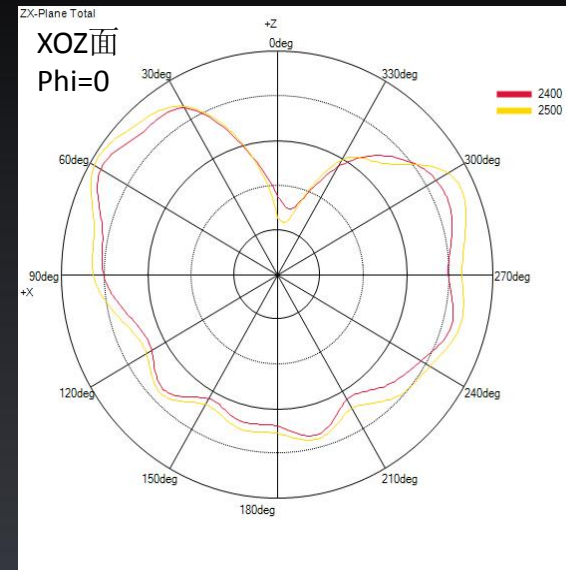
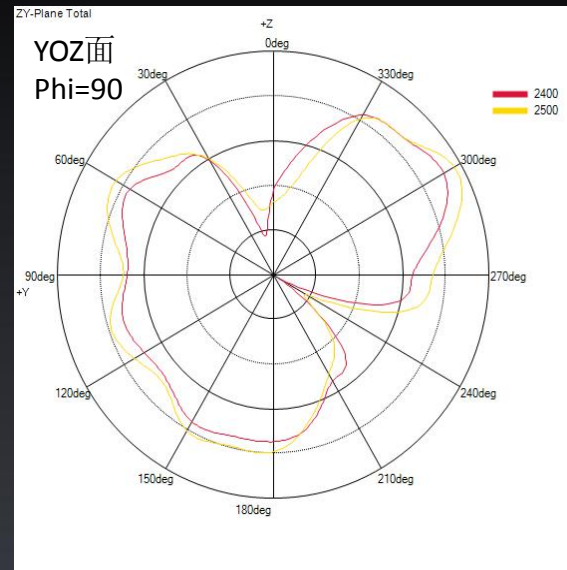
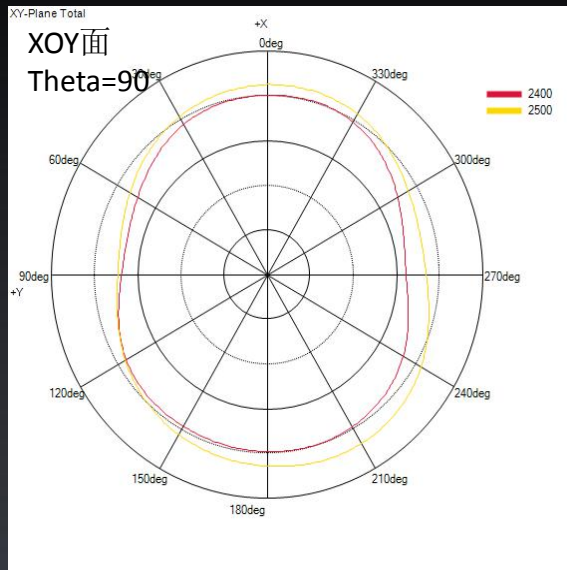
Efficiency



Gain



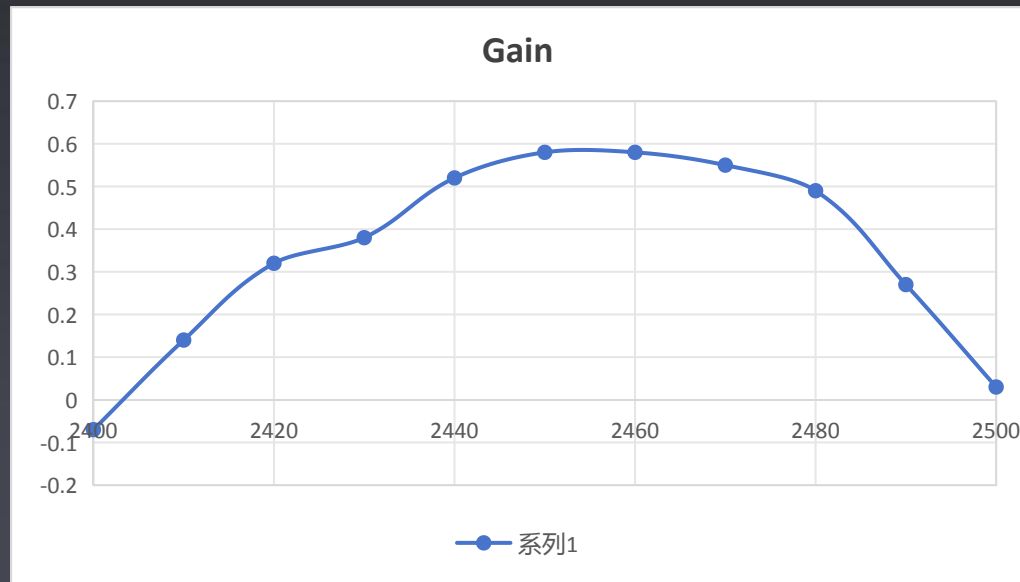
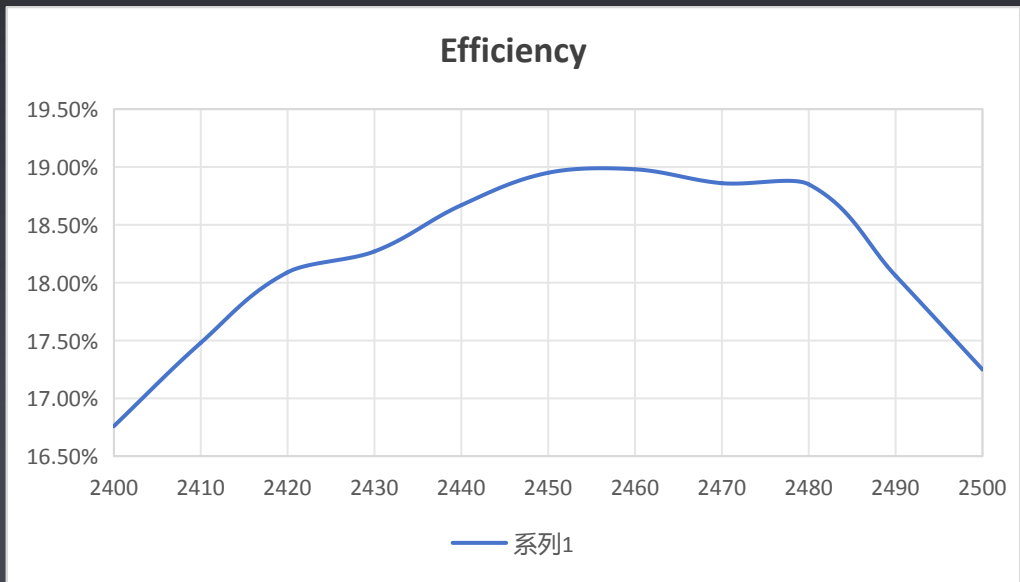
2.4G Radiation pattern



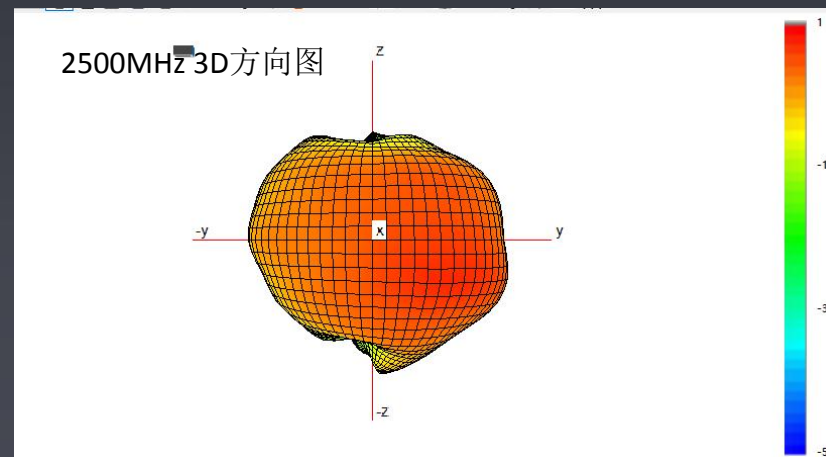
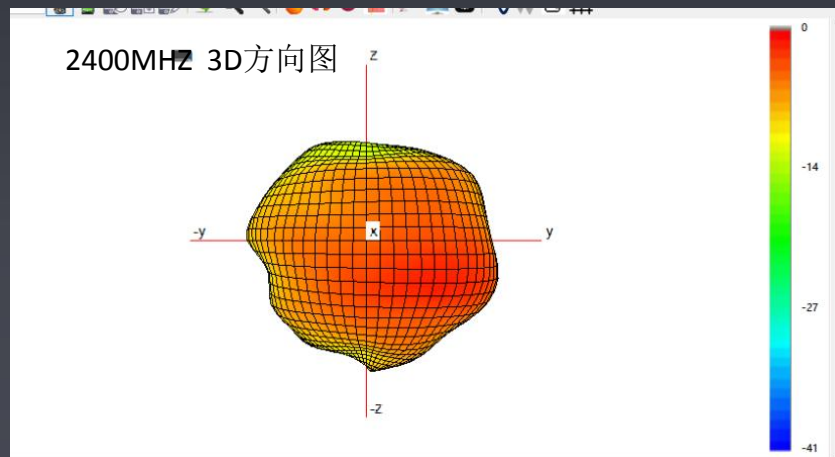
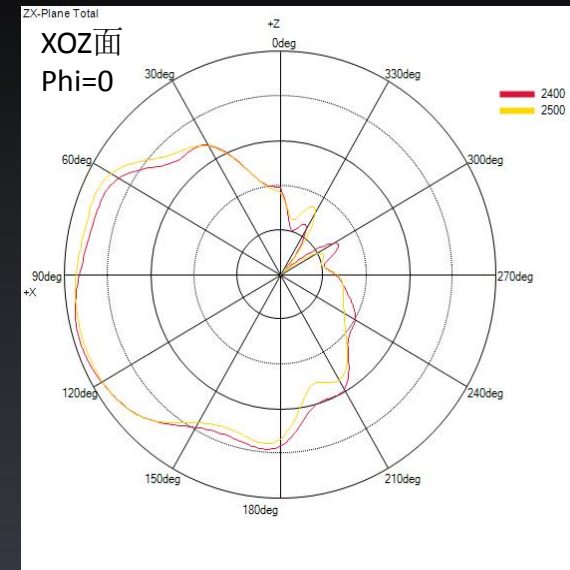
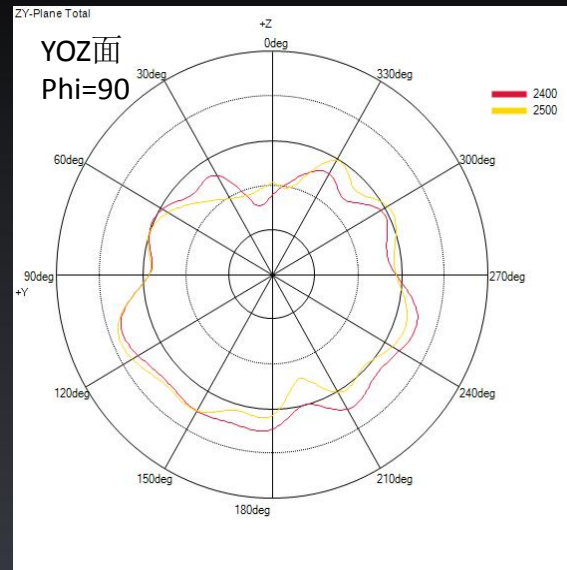
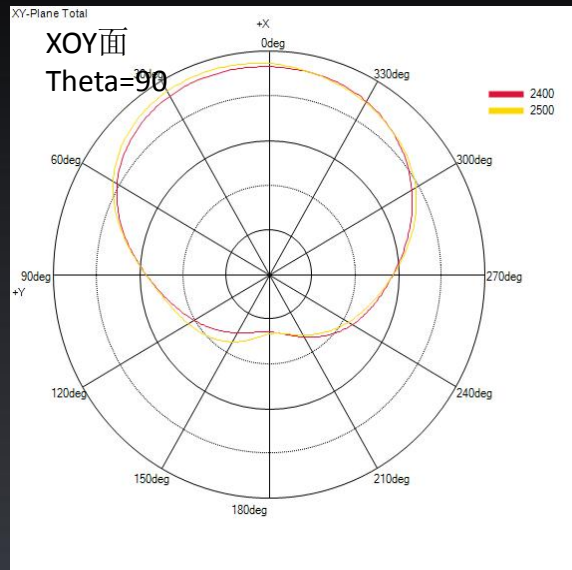
Passive_Log_Freq
2300-2450-2600[L

2.4G Gain & Efficiency-Head

Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Efficiency	17%	17%	18%	18%	19%	19%	19%	19%	19%	18%	17%
Efficiency (dB)	-7.8	-7.6	-7.4	-7.4	-7.3	-7.2	-7.2	-7.2	-7.3	-7.4	-7.6
Gain (dBi)	-0.1	0.1	0.3	0.4	0.5	0.6	0.6	0.6	0.5	0.3	0



2.4G Radiation pattern



Passive_Log_Freq
2300-2450-2600[L



QUALITY MANAGEMENT SYSTEM CERTIFICATE

Certificate No.: 123425Q0299R0S

This is to certify that the Quality Management System of
SUNNYWAY TECHNOLOGY (SHENZHEN) CO., LTD.

Unified Social Credit Code: 914403005956664410

Registered Address: No. 602, 601-605, 609-610, Building 5, Nantai Yunchuang Valley,
Tangwei Community, Fenghuang Street, Guangming District, Shenzhen
Business Address: No. 602, 601-605, 609-610, Building 5, Nantai Yunchuang Valley,
Tangwei Community, Fenghuang Street, Guangming District, Shenzhen

by reason of its
Quality Management System
has been awarded this certificate for compliance with standard
GB/T 19001-2016 idt ISO 9001:2015
for the
R&D and Sales for Internet of Things Antennas

Date of Initial Issuance: November 03,2025
Date of This Issuance: November 03,2025
Date of Expiration: November 02,2028

Issued By:



First supervision
Qualified sign

Second supervision
Qualified sign

The certificate is valid within the period of validity of various state administrative licensing and qualification licensing
To maintain the validity of the certificate, the certified organization must accept and pass the regular surveillance audit
To check the validity of certificate, please visit our website at www.guangyusz.com or login to CNCA website at www.cnca.gov.cn or scan QR code



Guang Yu (Shenzhen) Inspection Authentication Co., Ltd.

Address: 1807, North Block, International Commercial Building, No. 2069, Renmin South Road, Luohuqiao Community,
Nanhu Street, Luohu District, Shenzhen, China (Post code: 518000)