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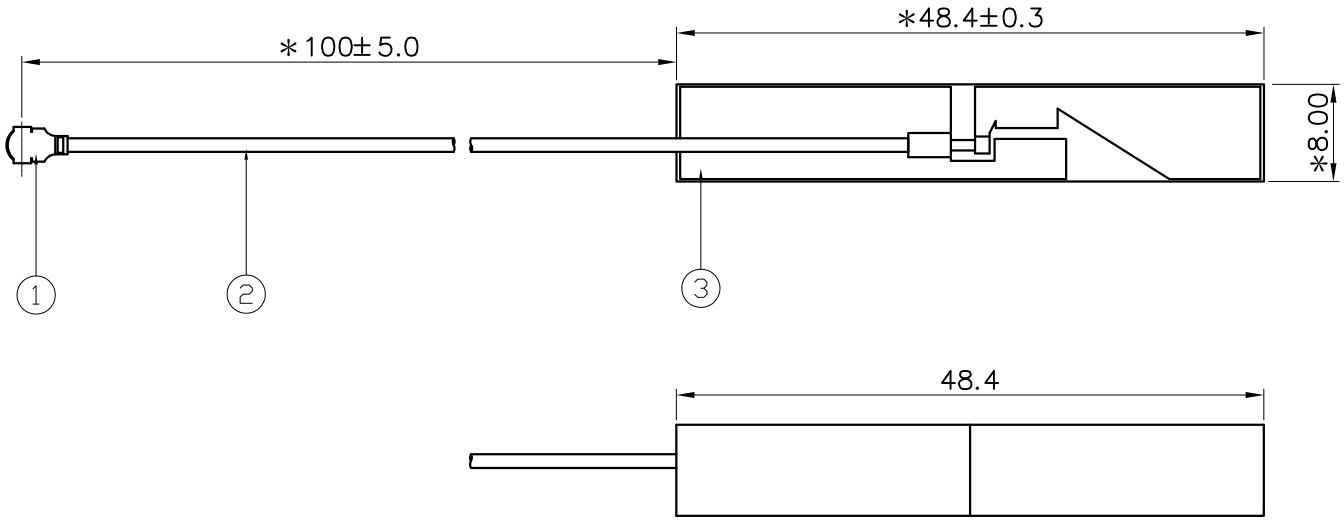
修订版本 Revision History

版本 Revision	日期 Date	描述 Description
1.0	2024.06.17	初版

SIGN	DESCRIPTION	DATE	APPROVER
1.0	The original	2022.05.11	



Note:

1. Dimension: Take * is the important dimension
2. Tolerance:Unmarked tolerance refer to the standard tolerance please.
3. ROHS Compliant

NO	Description	SPEC / Material	Q'ty
3	FPC	PI	1
2	Cable	OD0.81mm Black	1
1	Connector(MHF3)	CU AU Plated	1

东莞市广协电子有限公司 Dong guan Guan gxie Electronics Co,Ltd			
核准 APPROVED PFS	名称 TITLE 2.4G Antenna		
审核 CHECKED HYY	料号 PART NO. GXFPC0159-0100BX3		
制图 DRAWN HQS	公差 Tolerance X.X±0.5 X.XX±0.2 X° ±1	比例 SCALE 1/1	单位 UNITS mm
日期 DATE 2020.03.18			版别 REV 1.0

规格说明 Specification

电气特性 Electrical Characteristics

频率范围 Frequency	2400 ~ 2500 MHz
电压驻波比 S.W.R.	<= 2.0
最大增益 Peak Gain	3.13 dBi
效率 Efficiency	~50 %
辐射模式 Radiation Pattern	全向 Omni-Directional
极化形式 Polarization	Linear
输入阻抗 Impedance	50 Ohm

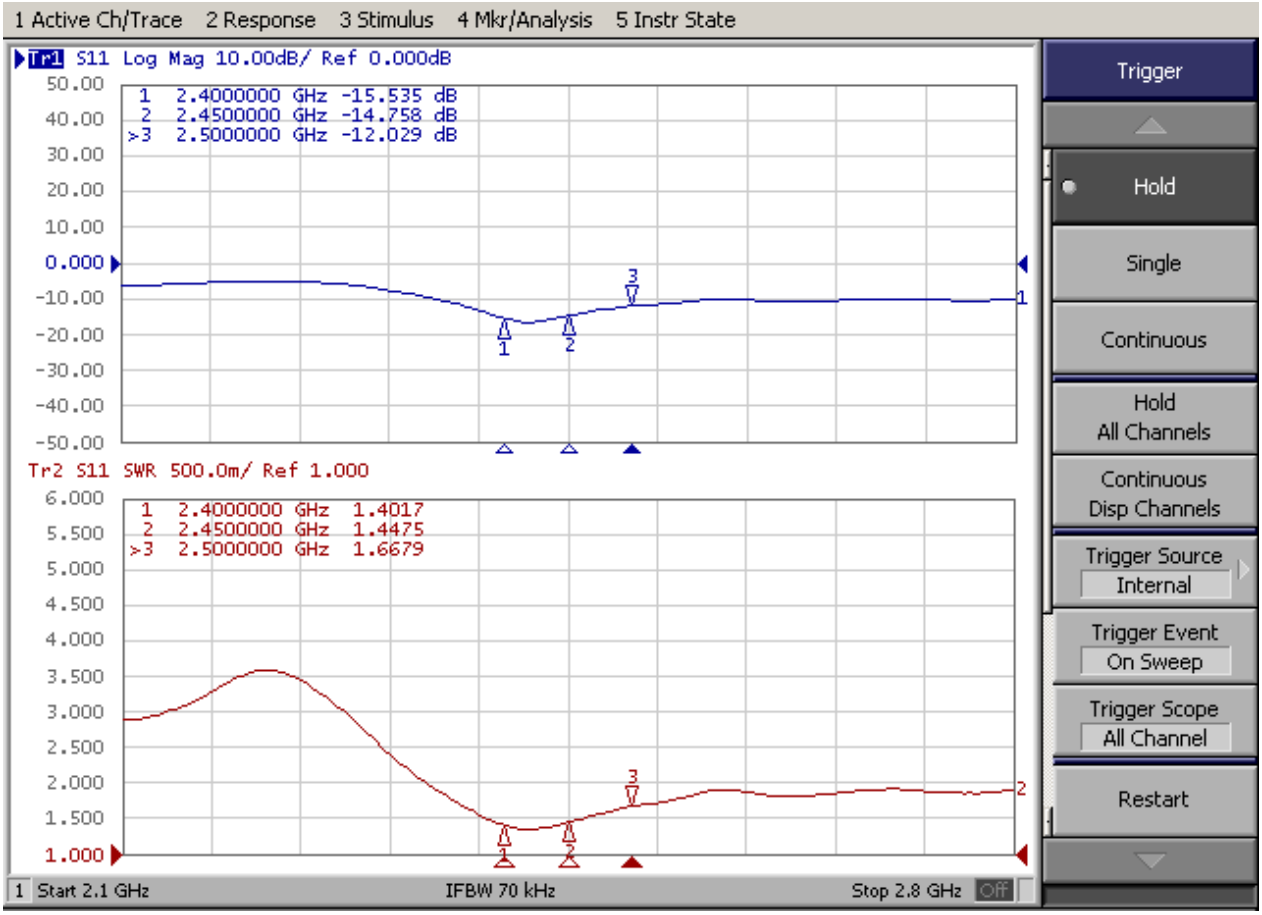
原料&机械特性 Material & Mechanical Characteristics

辐射体 Material of Radiator	FPC
线材型号 Cable Type	OD0.81mm
连接器型号 Connector Type	MHF3

环境条件 Environmental

工作温度 Operation Temperature	- 40 ˚C ~ + 70 ˚C
储藏温度 Storage Temperature	- 40 ˚C ~ + 80 ˚C

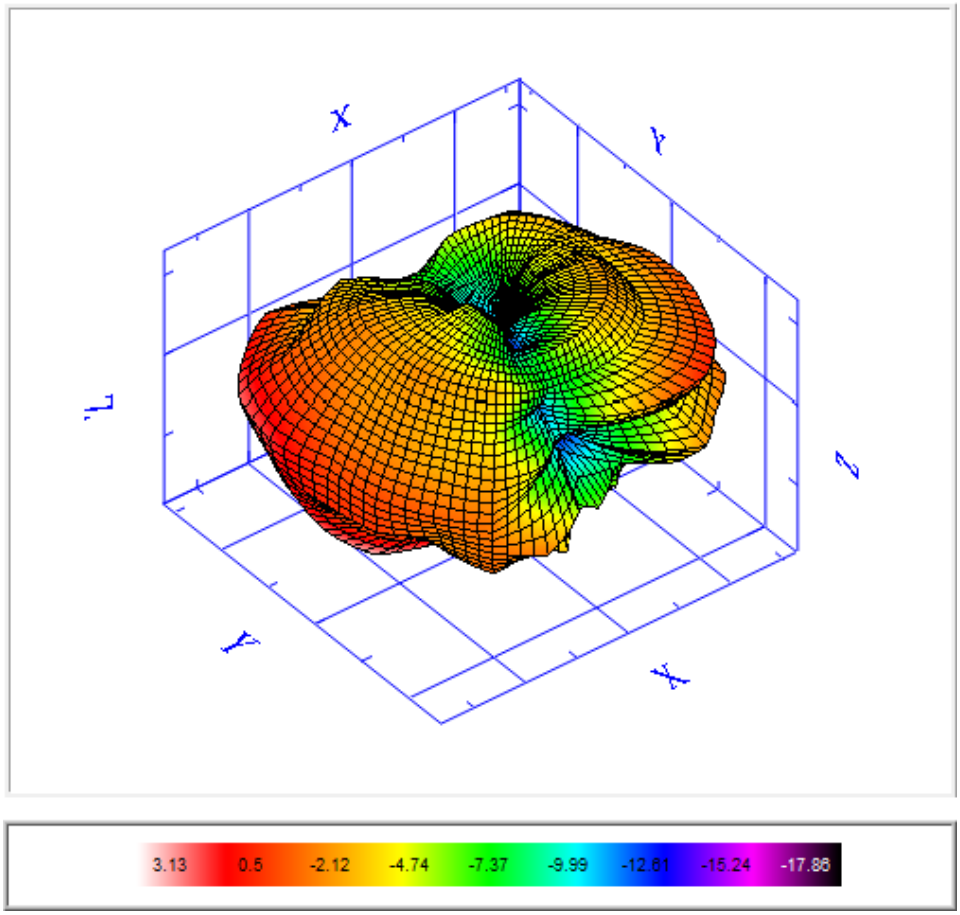
天线参数测试 Antenna - S Parameter Test Data



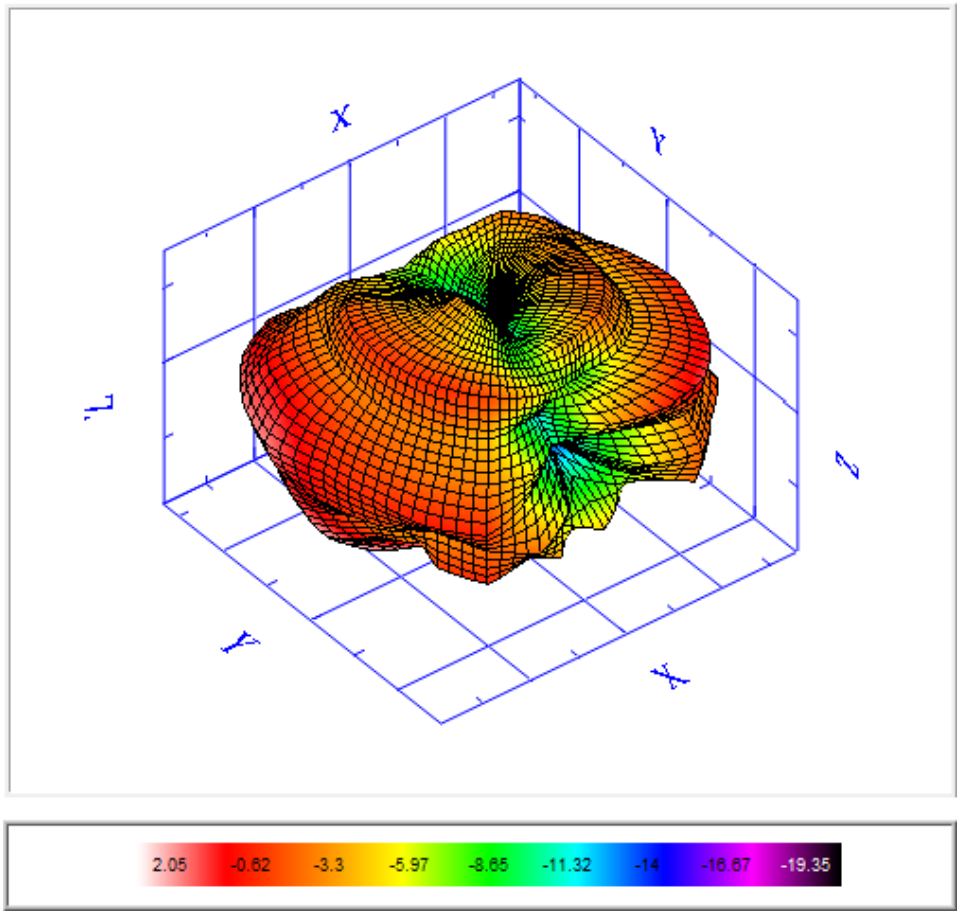
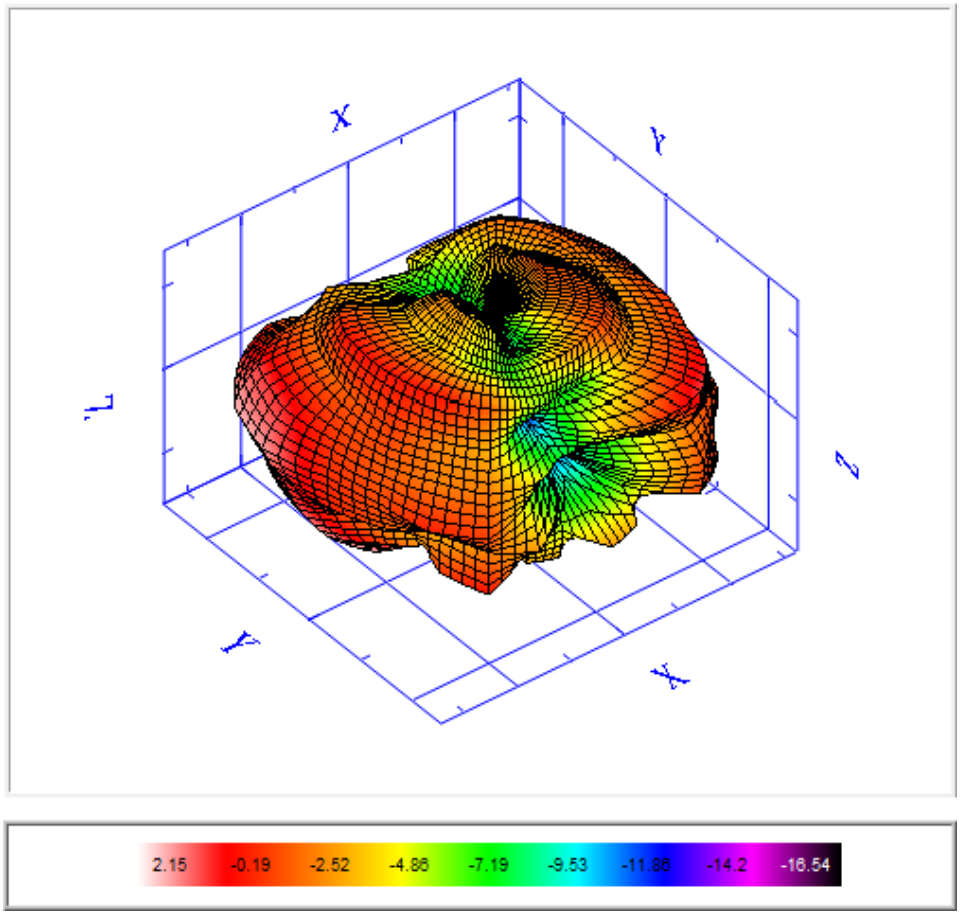
天线厂型测试 Antenna - Radiation Pattern Test Data

Frequency	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Peak Gain (dBi)	3.13	2.7	2.81	2.47	2.06	2.05	2.03	2.34	2.6	2.51	2.15
Efficiency (%)	49.5	48.24	51.4	51.13	47.58	47.27	49.87	54.25	60.6	58.4	56.17

2400MHz



2450MHz



2500MHz