

Shenzhen Xiangboyi Technology Co. Ltd

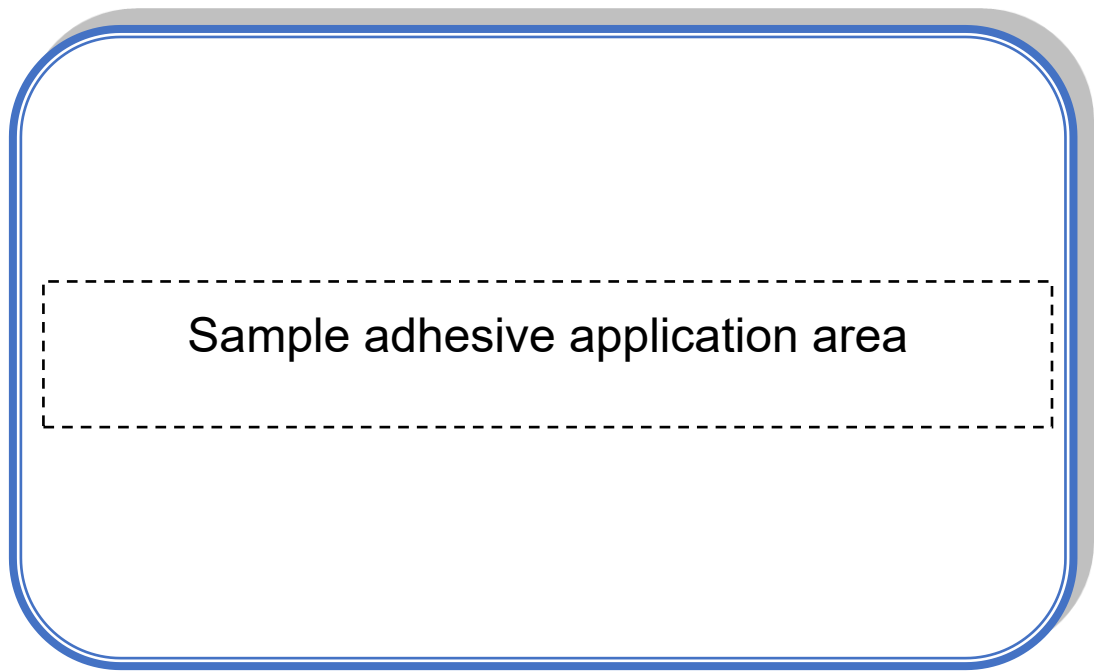
**ADD:5th Floor, Building B, Huazhi Chuanggu, No. 7 Yuhua
Street, 138 Industrial Zone, Tangxia Town, Dongguan City**

Antenna Specification

Customer Name	Gold East
ProjectName/Material Number	G2M Pro
Supplier Number	XBY250321

日期：2026 年 5 月 20 日

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Customer Confirmation			
Engineer	Project	Quality	Approve

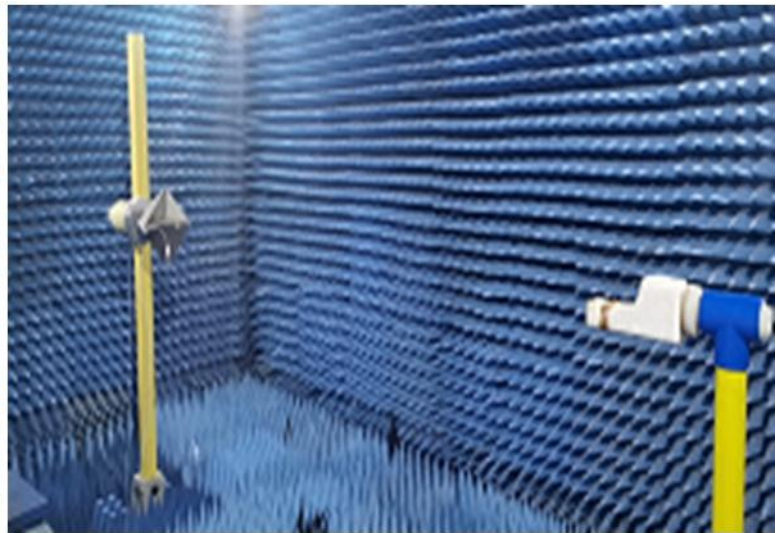
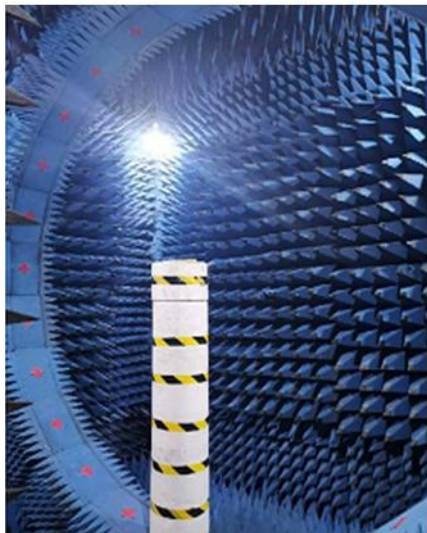
Supplier Confirmation		
Structure	Radio Frequency	Approve

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一. Test System and Equipment

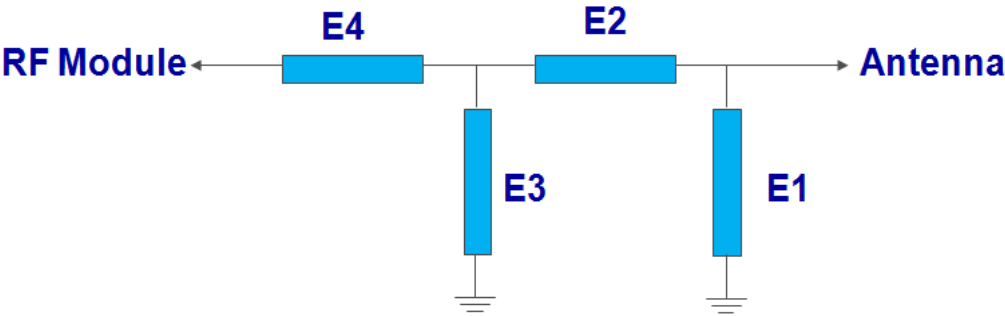
	Test Item	Equipment
1: S Parameter	Echo loss (Log Mog) 2. Voltage standing wave ratio (SWR)	Network Analyzer: A338/A333HP8753D
2: ActiveTesting	1. Transmit Power (TRP) 2. Reception Sensitivity (TIS)	Comprehensive tester: Agilent 8960/CMW500
3: PassiveTesting	1. Radiation Mode 2. Antenna Gain	1. Darkroom: 5 x 3 x 3 m (ETS-3D) 2. Network analyzer: HP 8753D



二. Product Description

Technical requirements	Technical index	Remark
Band	WiFi:2400-2500MHz	
Range Of Frequency	WiFi:2400-2500MHz	
VSWR	2400-2500MHz<3.0	Center Frequency
Impedance	50Ω	
Polarization	Linear polarization	
Operating Temperature	-20°C / +75°C	
Storage Temperature	25°C ± 5°C	
Salt Fog	24h(24h alternating wet & dry)	
RoHS Compliant	Yes	

三. Matching Circuits



Building-out circuit

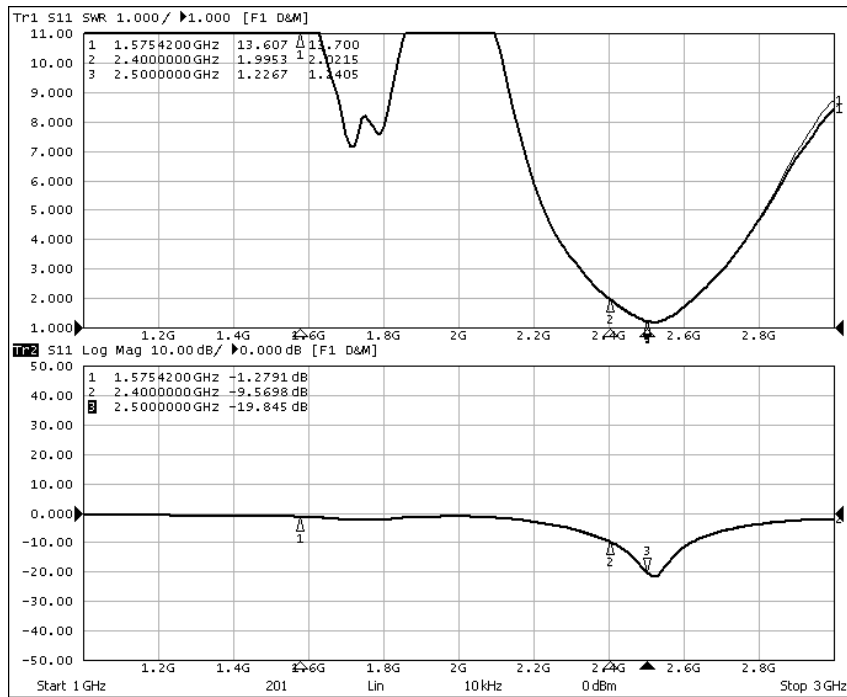
Element	Value	Vender
E1(0201)	NA	
E2(0201)	0Ω	
E3(0201)	NA	
E4(0201)	0Ω	

The antenna matching has not been altered.

四. Test Data

OTA

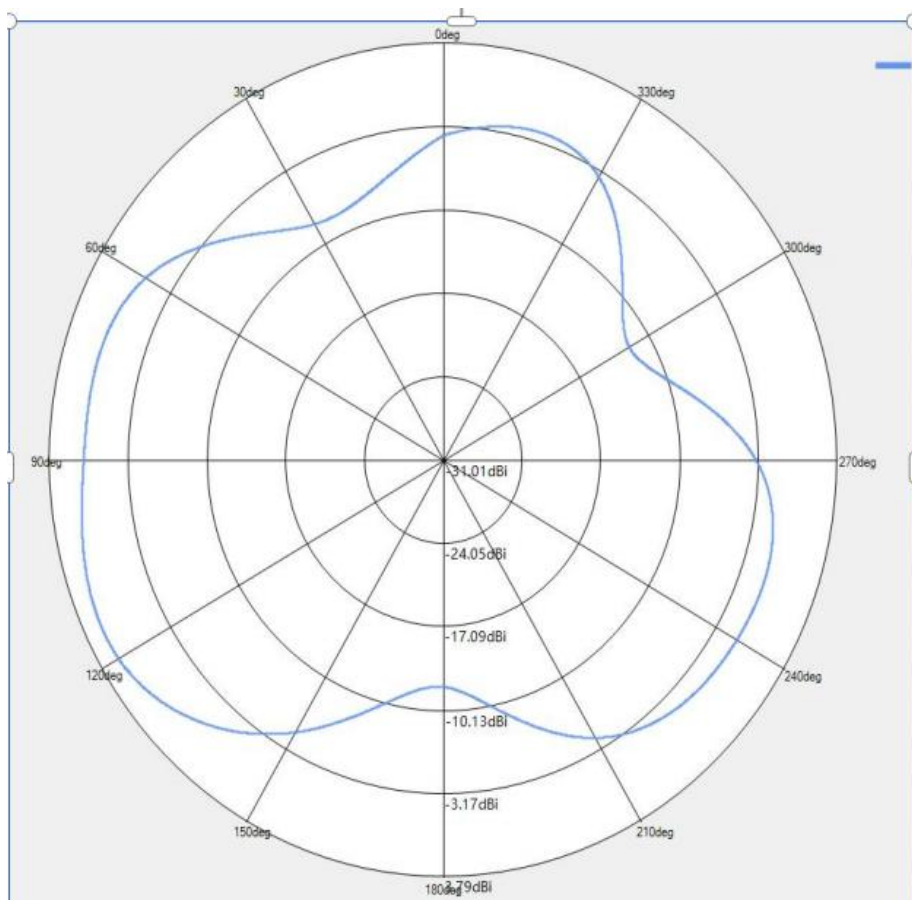
WIFI BAND	Rate	Channel	TRP	TIS	Standard	Testing performance
802.11b (2.4G)	11Mbps	CH1	12.59		$\leq 20\text{dBm}$	pass
		CH6	13.68			
		CH11	12.47	-80.19		
WIFI BAND	Rate	Channel	TRP	TIS	Standard	Testing performance
802.11g (2.4G)	54Mbps	CH1	10.83		$\leq 20\text{dBm}$	pass
		CH6	10.75			
		CH11	10.56	-65.45		
WIFI BAND	Rate	Channel	TRP	TIS	Standard	Testing performance
802.11n (2.4G)	MCS7	CH1	11.54		$\leq 20\text{dBm}$	pass
		CH6	12.27			
		CH11	11.37	-65.22		



Gain and Efficiency

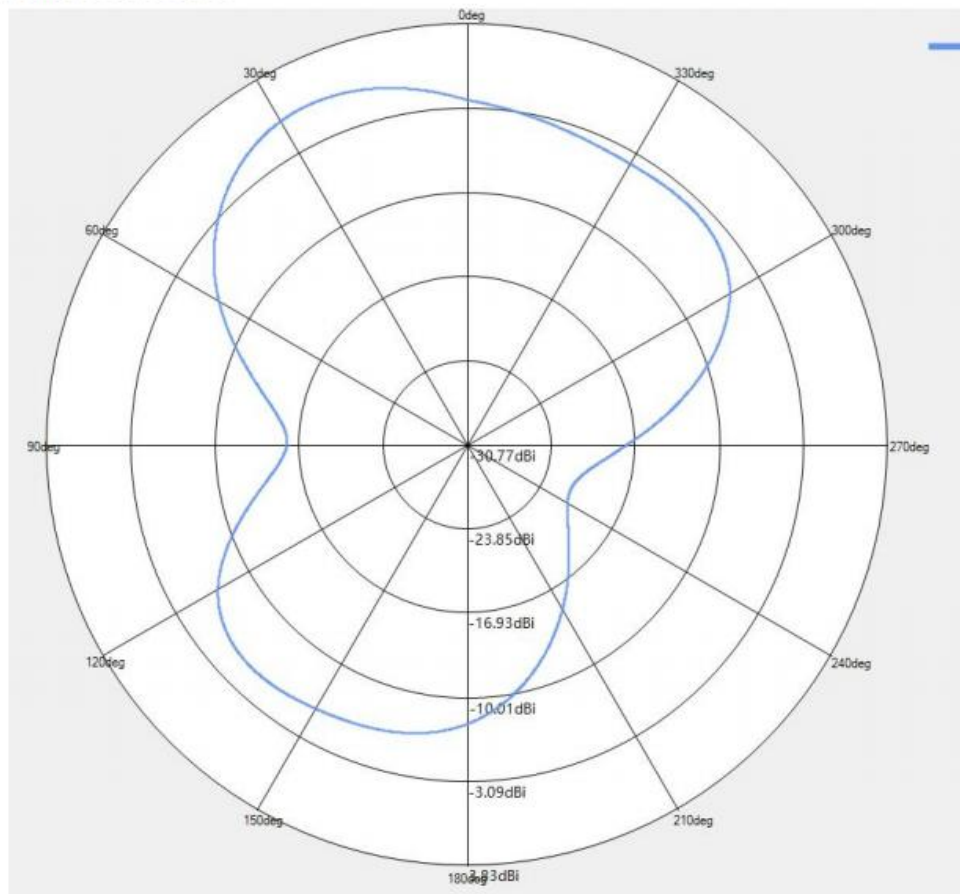
Frequency	Gain (dBi)	Efficiency (%)
2400	0.72	43.15
2410	0.95	44.27
2420	1.14	45.86
2430	1.01	45.73
2440	1.12	44.98
2450	0.84	44.6
2460	1.13	43.41
2470	1.14	43.12
2480	1.13	44.3
2490	1.25	43.58
2500	1.19	42.87

Directionsgraph
WiFi2.4G-Theta

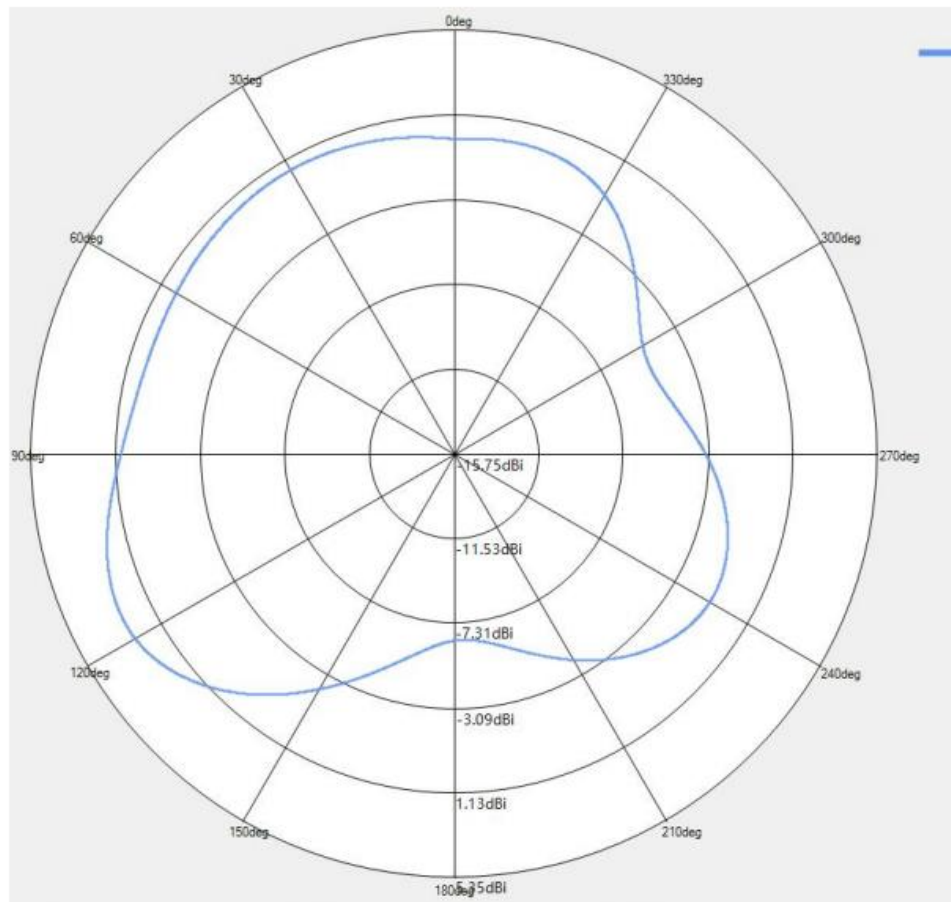


Directions graph

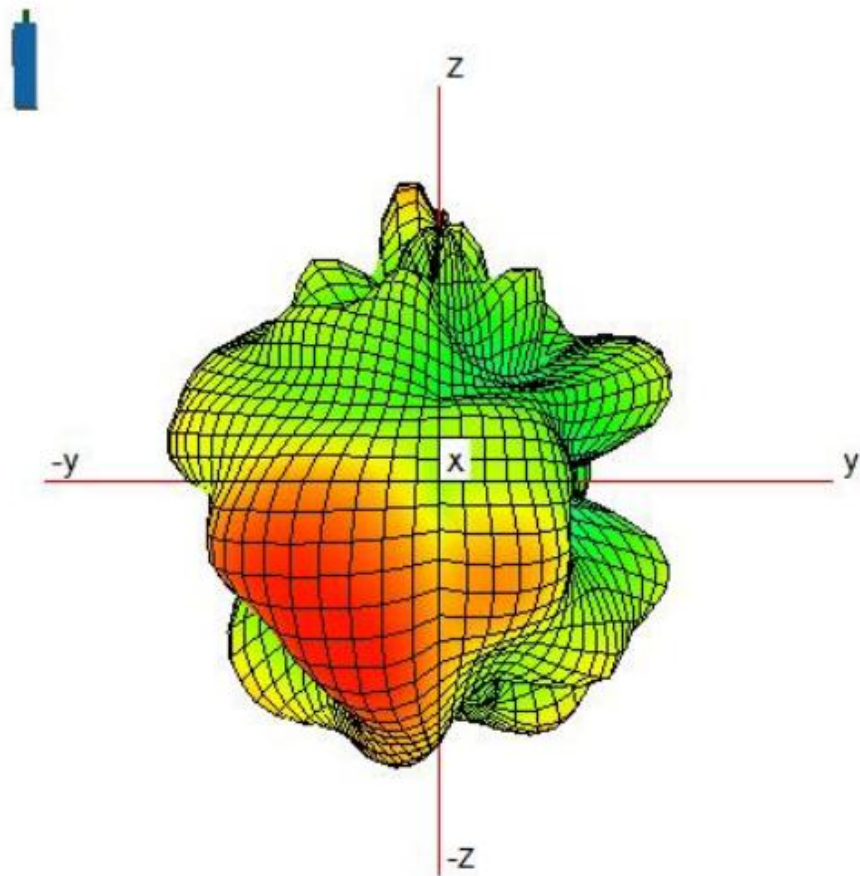
WiFi 2.4G-Phi



Directions graph
WiFi 2.4G-Total

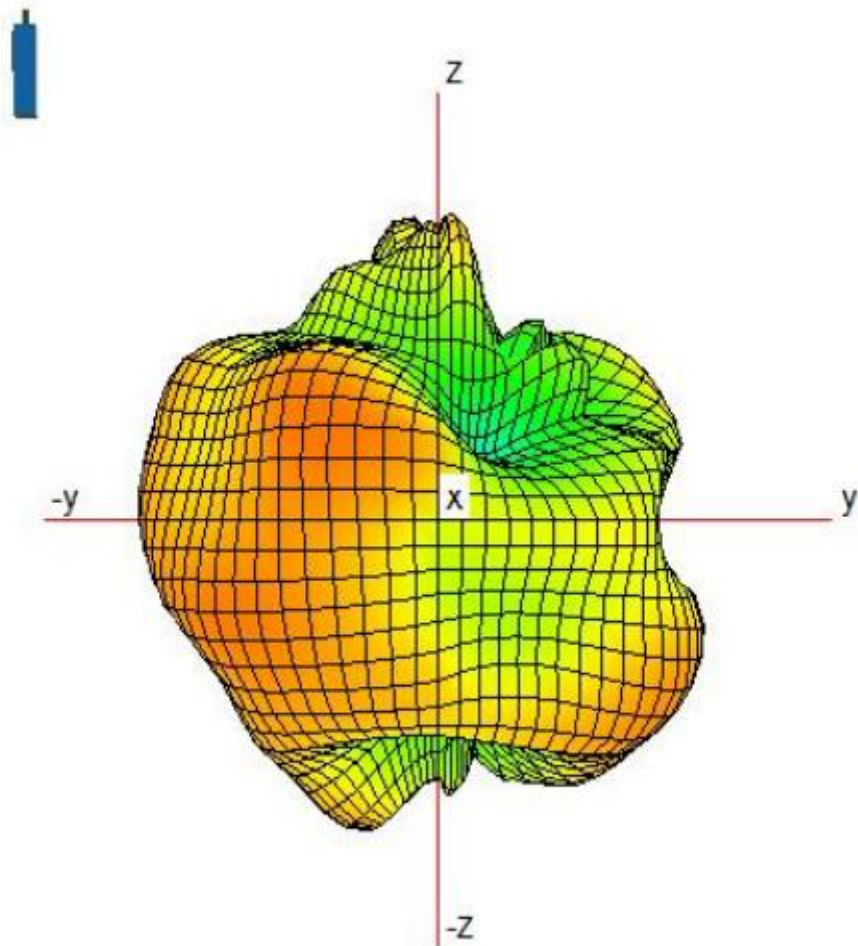


WiFi2.4G-x

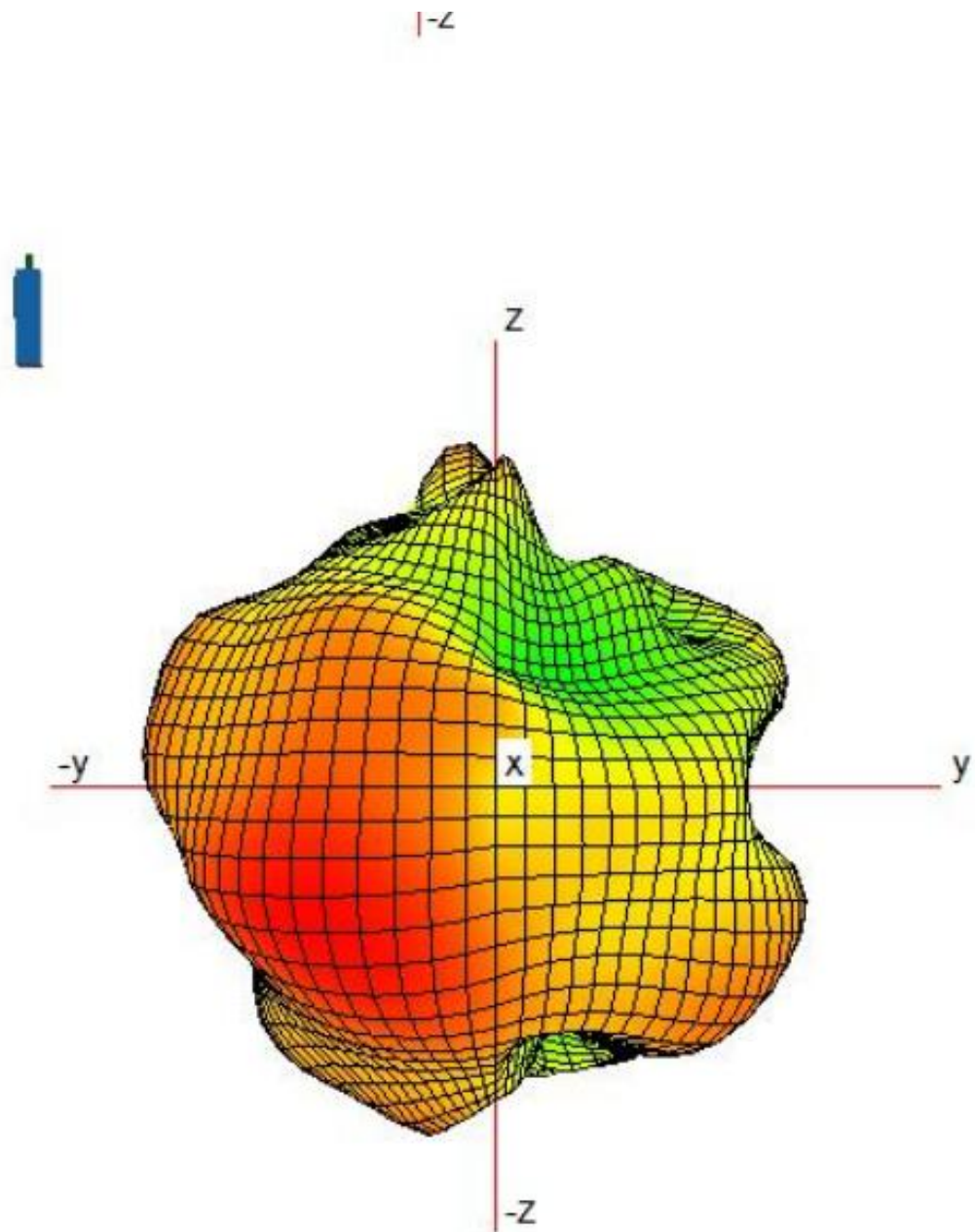


Applechart

WiFi2.4G-y



Applechart
WiFi2.4G-Z



Test conclusion and precautions:

The indicators meet:

WiFi B/G/N frequency normal antenna specifications

Attention: This antenna is only suitable for debugging prototypes.

Any changes in motherboard version or RF material must be tested and verified by our company before use.