



ShenZhen Huaxinwei communication technology
Co.,Ltd.

Antenna test report

Customer Name: Feng Wang

Project Name: D3 pro

Designer: Zhang Yang

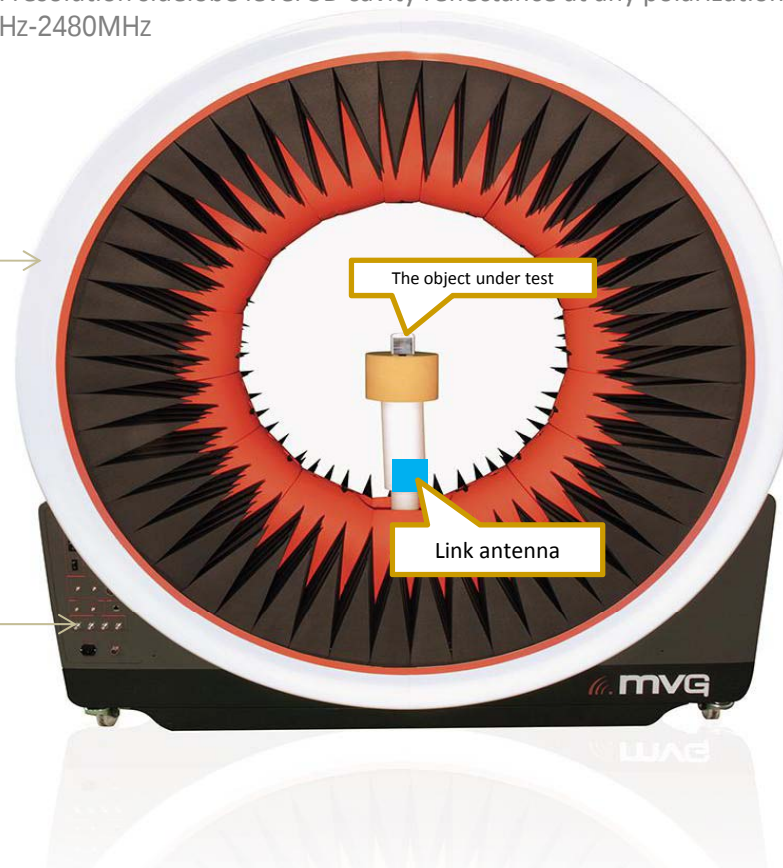
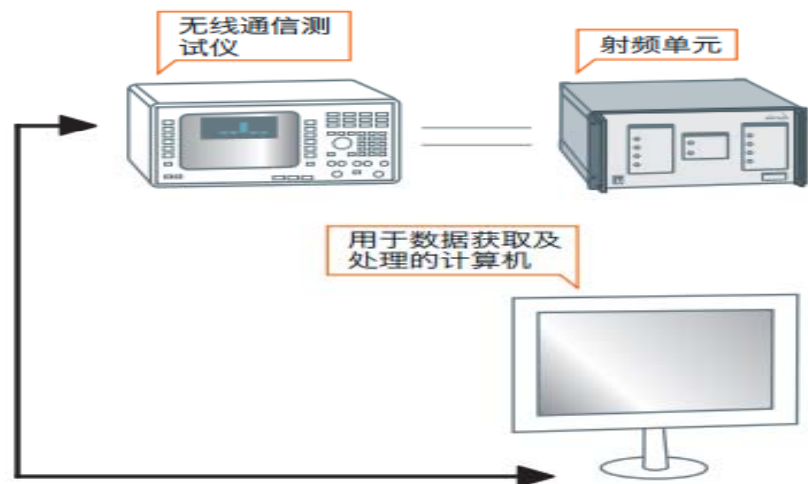
Date: 2023/02/02



The customer name		Feng Wang	Project Name	D3 pro
NO.	project	Detailed above		
1	spectrum	Lora / WIFI		
2	Project type	The controller		
3	Antenna space area			
4	Feed point type			
5	The sensitivity			
6	Type of antenna			
7	The length of the PCB board			
8	note	Debugging prototype		
RF		Feng Wang	18017141733	wangf@whalesbot.com

1、Test system and test equipment

System Brand: MVG(SATIMO) measurement features: gain • pattern beamwidth cross polarization resolution sidelobe level 3D cavity reflectance at any polarization cavity reflectance (line or arc) antenna efficiency TRP, TIS, EIRP and EIS. Frequency band: StarLab 2402MHz-2480MHz



TIS预计测量时间 (一个信道每隔30° 取样)

灵敏度算法 \ 标准	GSM GPRS EDGE	CDMA 1 x RTT 1 x EvDO	WCDMA HSDPA LTE FDD/TDD	Wi-Fi 802.11 a/b/g/n	CTIA 批准方法
RSSI模式+线性化+TIS补偿	8 min		10 min		是
EIS模式+TIS补偿		5 min		5 min	是 ²
快速CDMA		8 min			No
EIRP模式+TIS补偿				10 min	No

1、根据RTC
2、根据协议

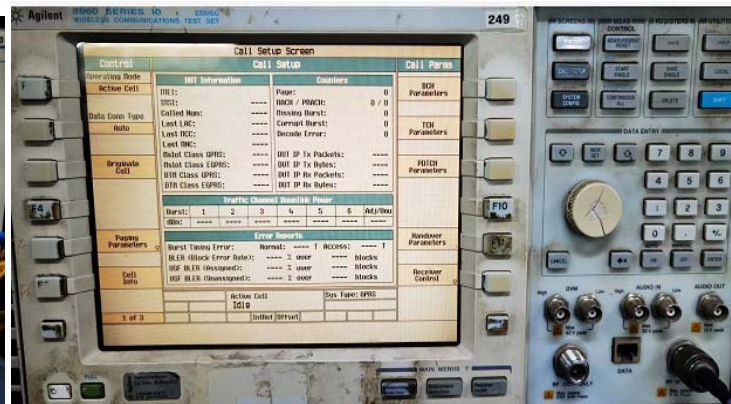


TIS 3D方位切割强度图



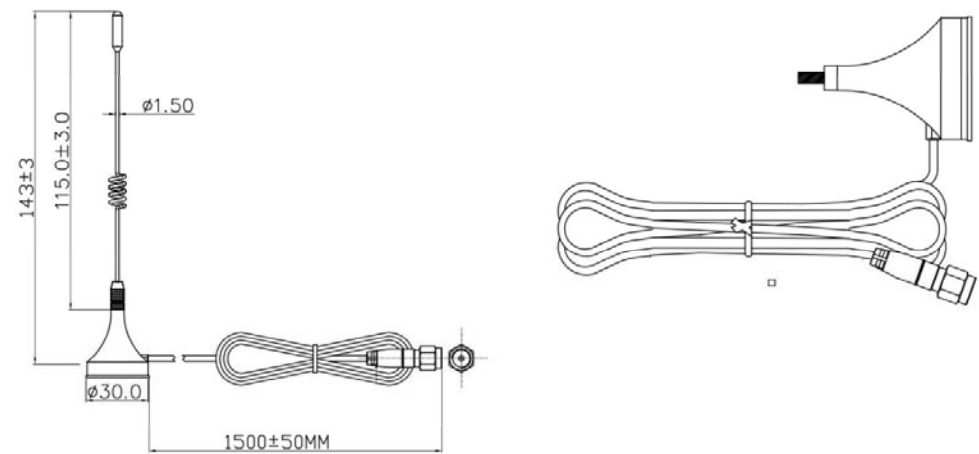
TRP 3D方位切割强度图

Test Equipment

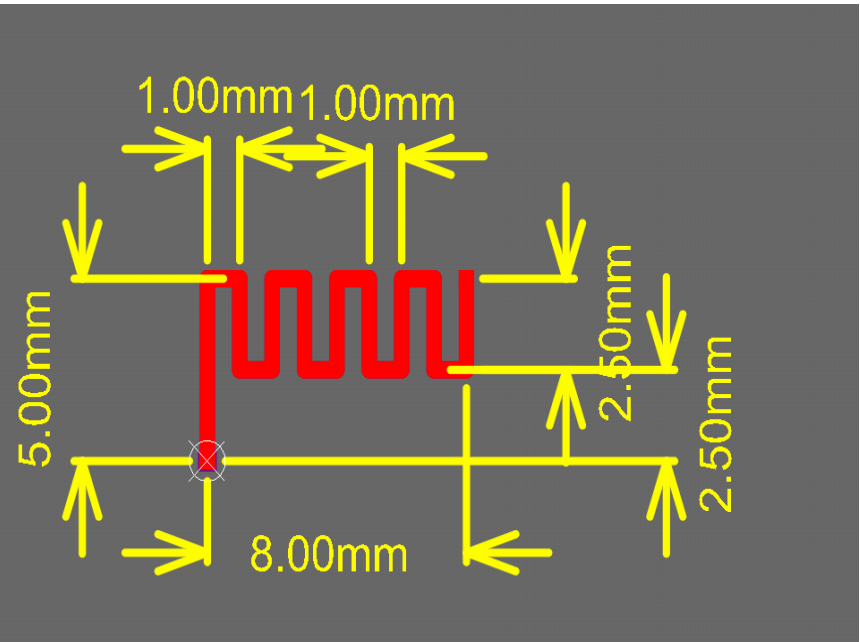


Antenna position

Lora antenna



WIFI antenna



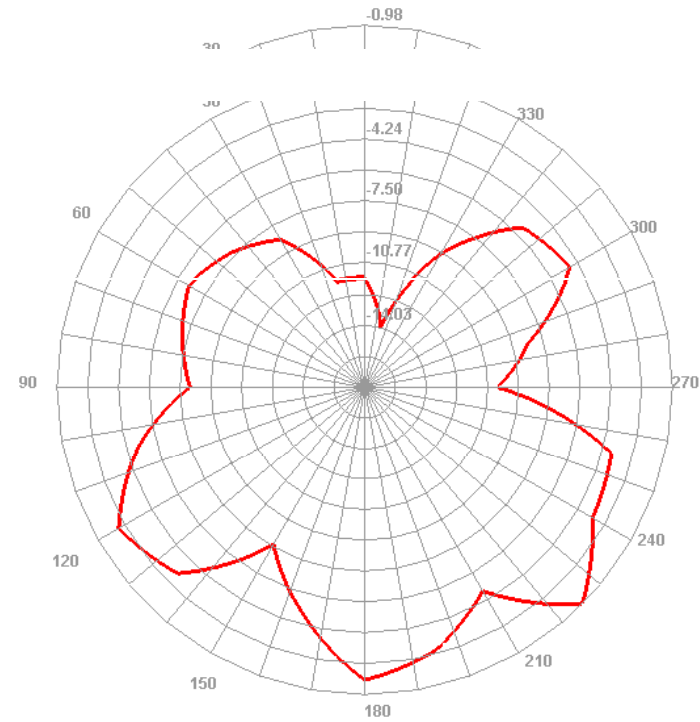
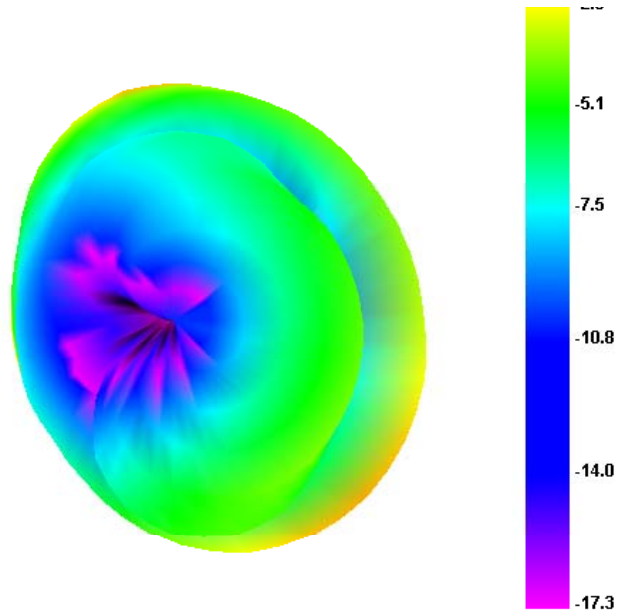
Efficient (Lora+WiFi)

[illegible]

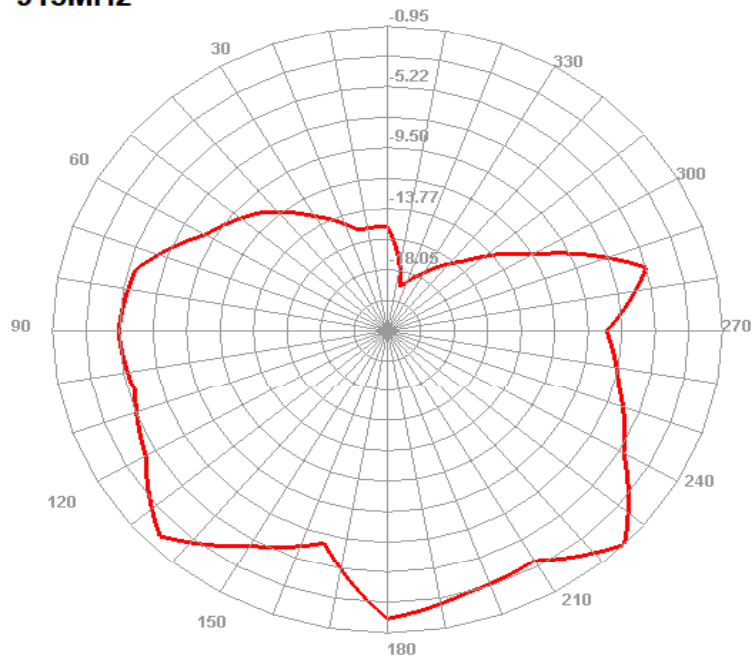
Efficient (2402MHz-2480MHz)

920.000MHz E2

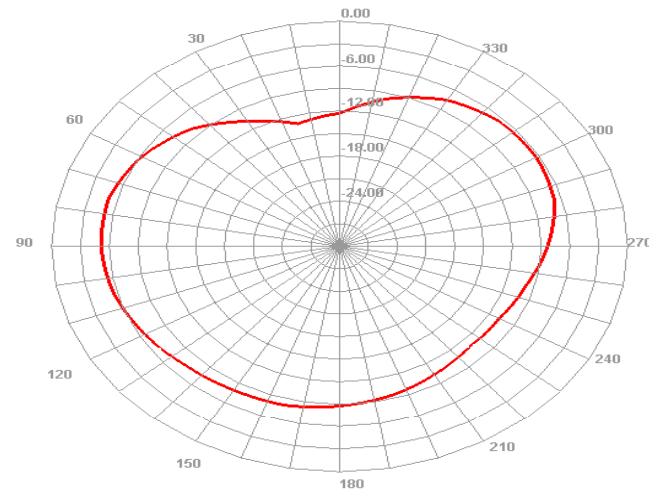
2402MHz



915MHz

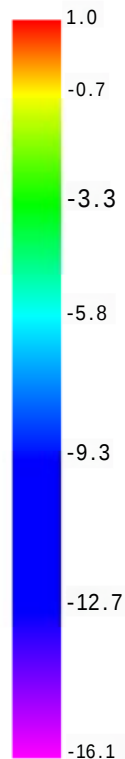
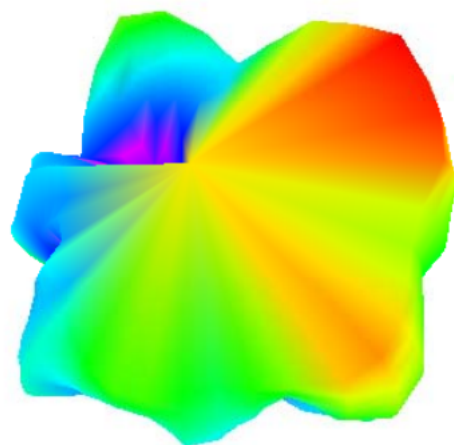


927.5MHz

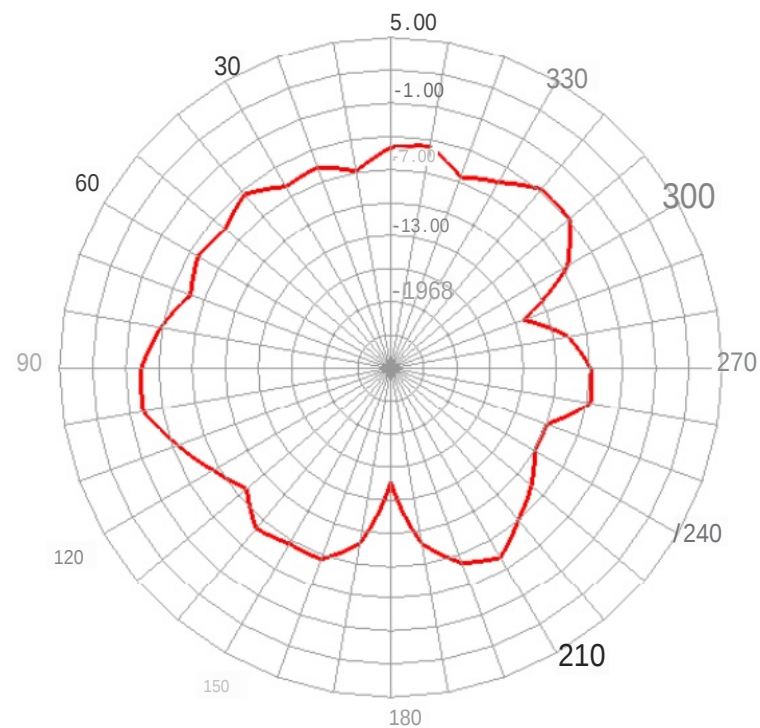


Efficient(2.4GWIFI)

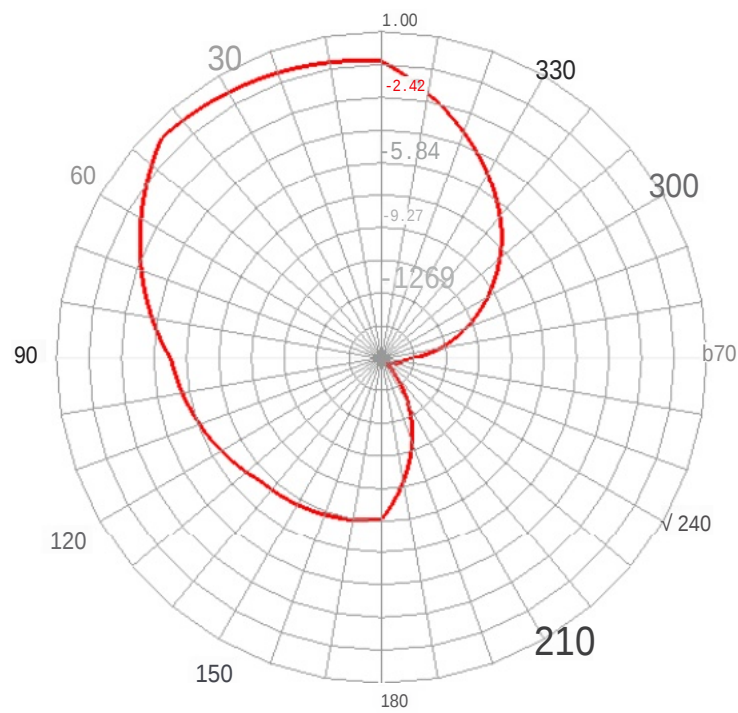
2402MHz-2480MHz



2450.000MHz H



2450.000MHz E1



2450.000MHz E2

