



## Antenna test report

Customer Name: Tian Ruixiang

Project Name: S6802-06C

Designer: Liu Chun Yun

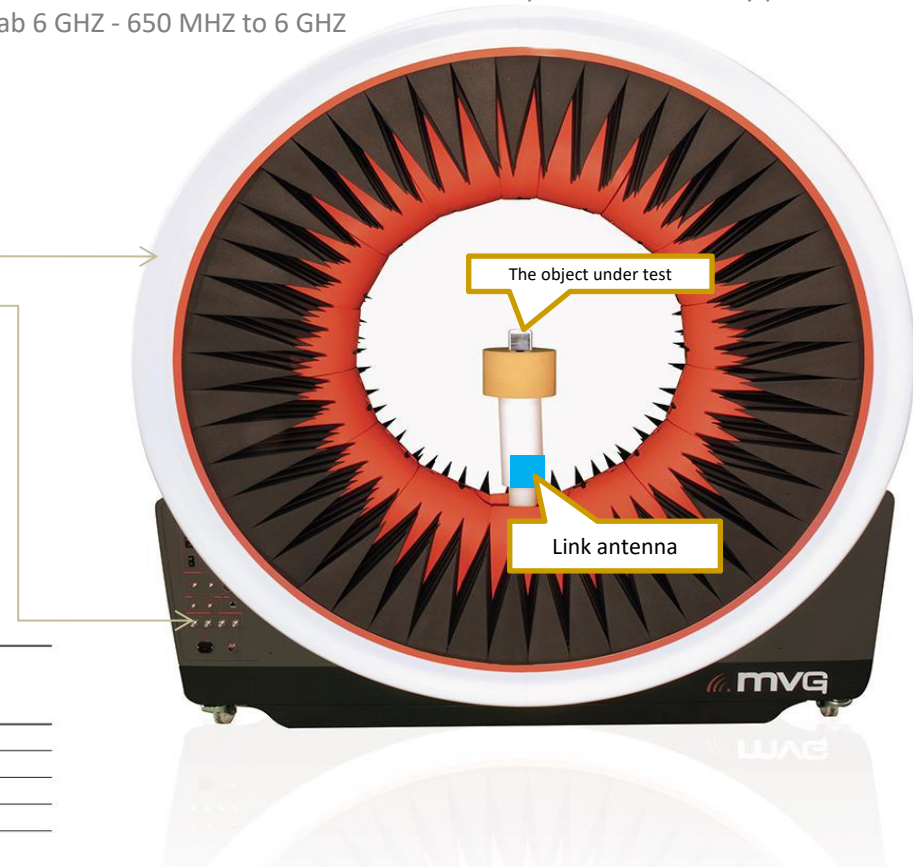
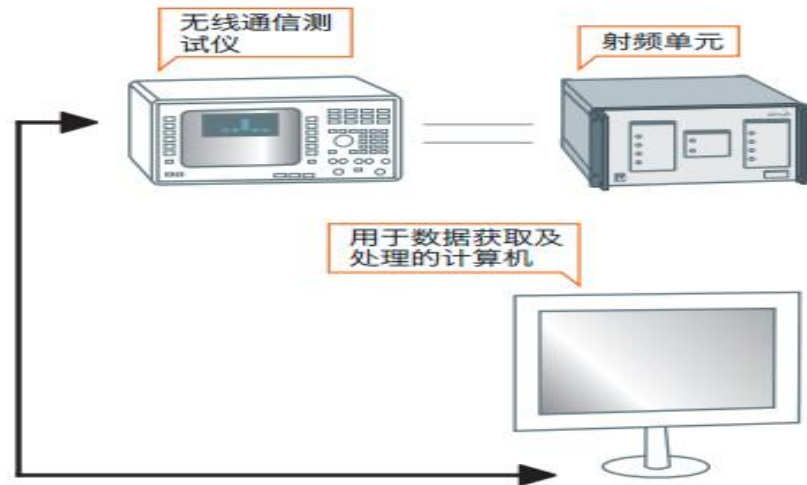
Date: 2023/5/10

Manufacturing address: Room 203,  
Building C, Building 5#, Skyworth  
Innovation Valley, Tangtou No.1 Road,  
Shiyan Street, Bao'an District, Shenzhen

The customer name		Tian Rui Xiang	Project Name	S6802-06C
NO.	project	Detailed above		
1	spectrum	GSM850/900/1800/1900/+WCDMA-B1/B2/B4/B5/B8/+LTE-B2/B3/B4/B5/B7/12/17/28/66+WIFI/BT		
2	Project type	The mobile phone		
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		Liu Chun Yun	15112340864	hxw_lcy@sz-hxw.cn

# 1、 Test system and test equipment

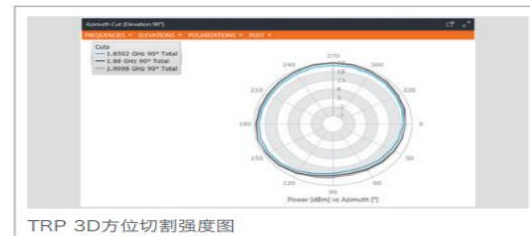
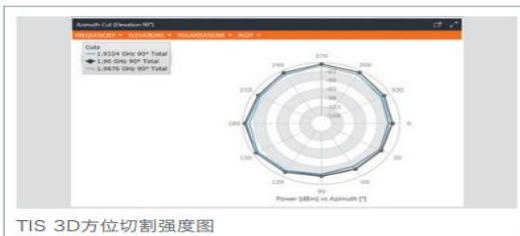
System Brand: MVG(SATIMO) measurement features: gain • pattern beamwidth cross polarization resolution sidelobe level 3D cavity reflectance at any polarization cavity reflectance (line or arc) antenna efficiency TRP, TIS, EIRP and EIS. Frequency band: StarLab 6 GHz - 650 MHz to 6 GHz



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 <sup>2</sup>
快速CDMA		8 min			No
EIRP模式+TIS补偿				10 min	No

1、根据RTC  
2、根据协议

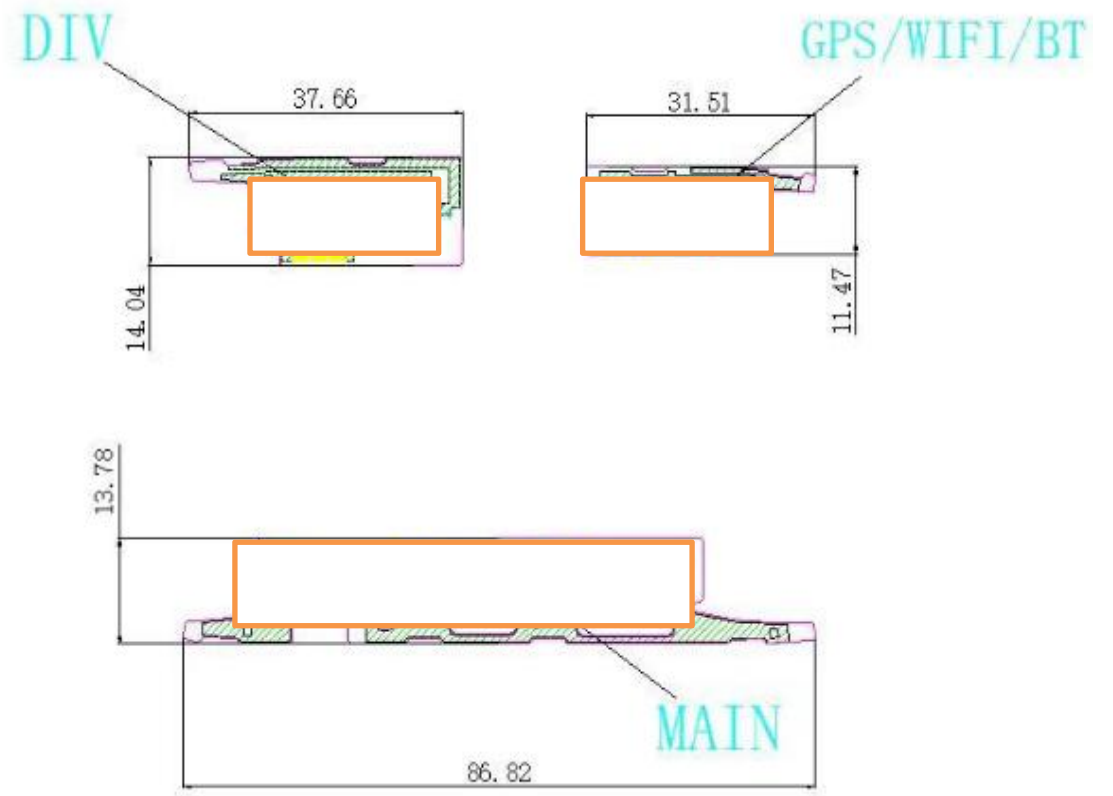
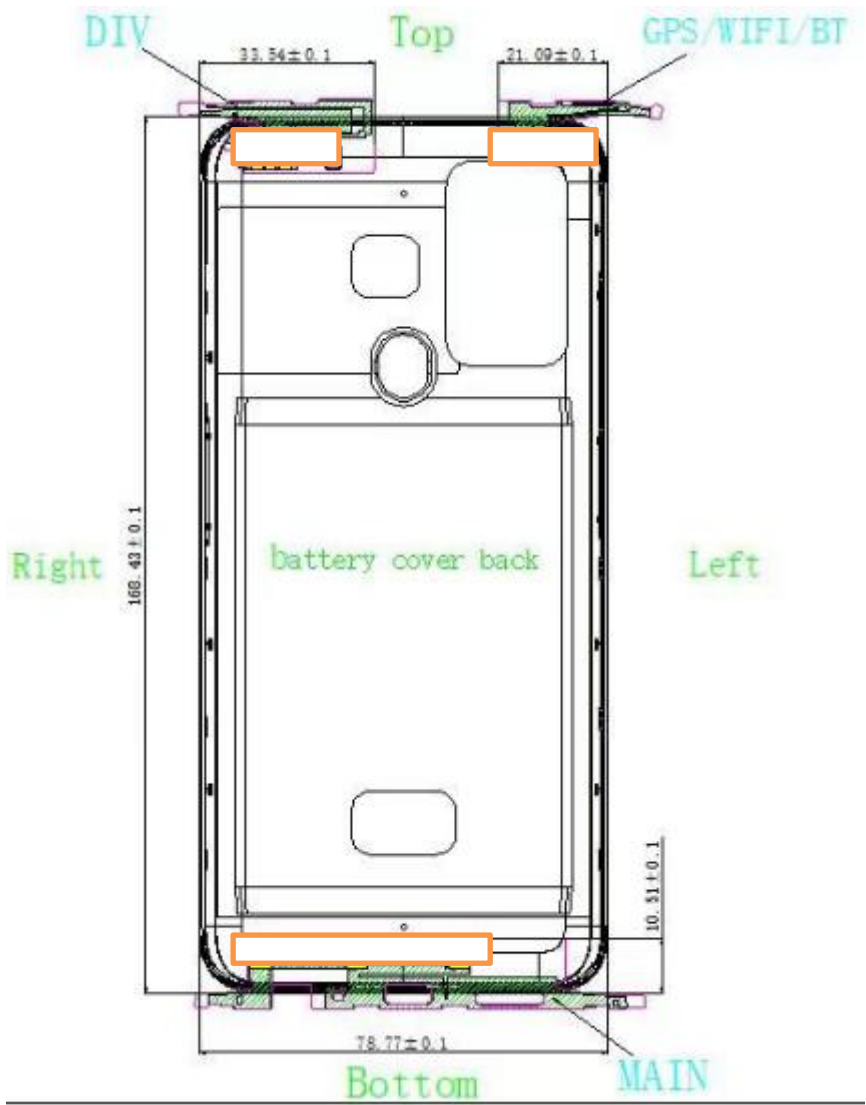


# Test Equipment



Antenna position

(unit :mm)



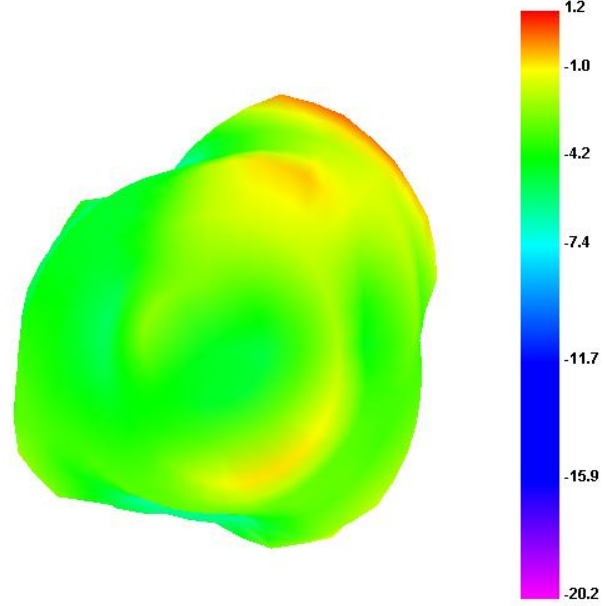
## Efficient ( 2.4G-WiFi /BT)

PEAK GAIN					
WIFI	2400~2500Mhz	1.26dBi			
WIFI	5150~5850Mhz	1.17dBi			
BT	2400~2500Mhz	1.26dBi			

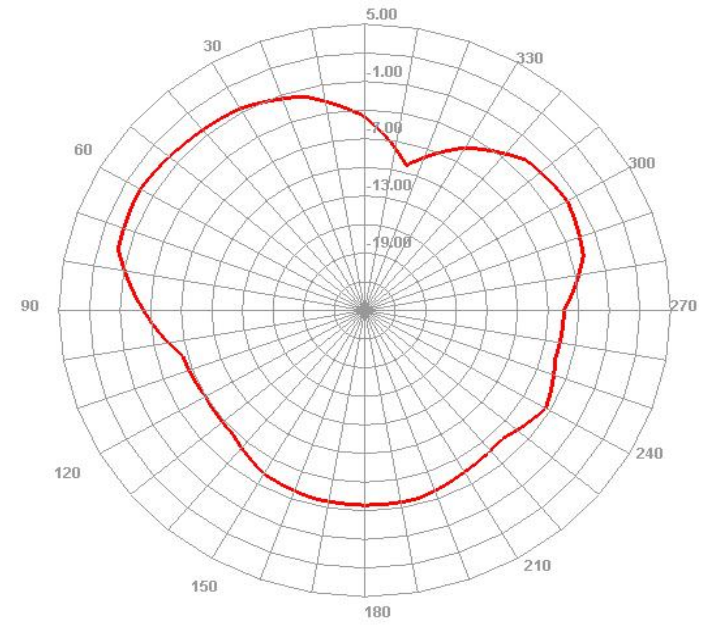
# Efficient (2.4GWIFI/BT)

(unit :db)

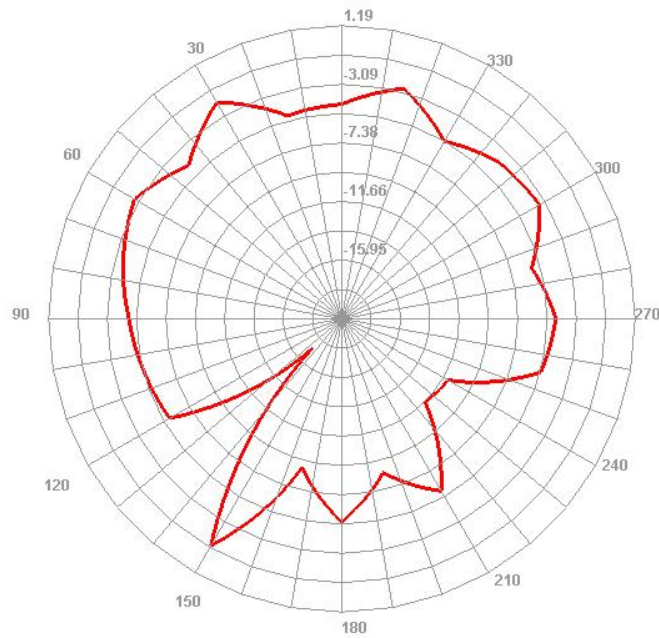
2460.000MHz



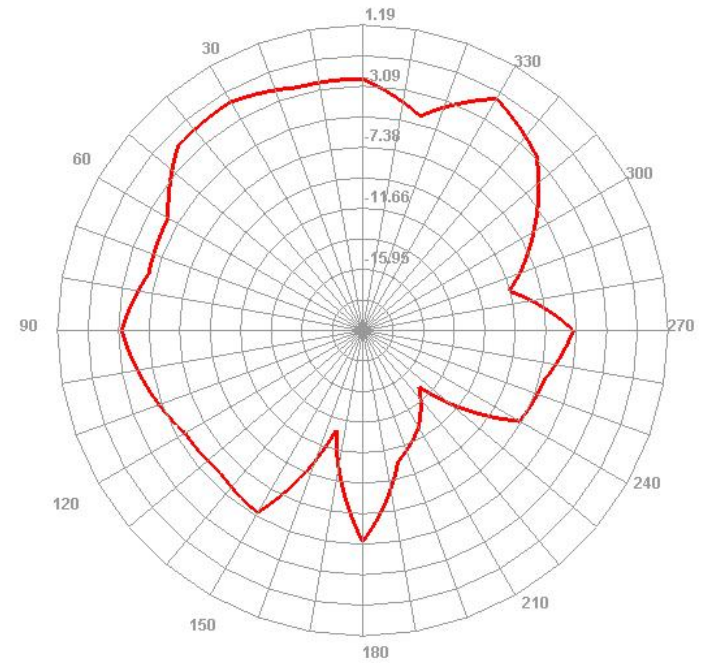
2460.000MHz H



2460.000MHz E1



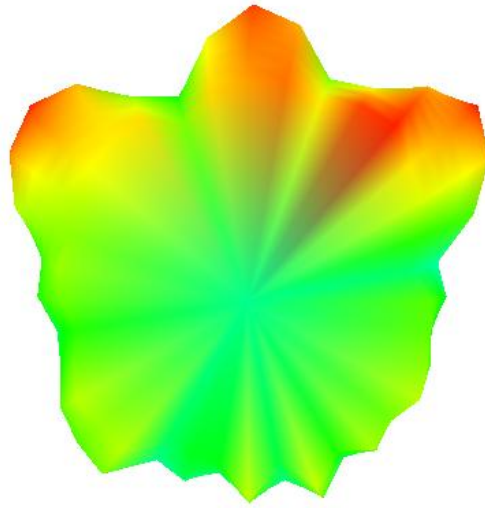
2460.000MHz E2



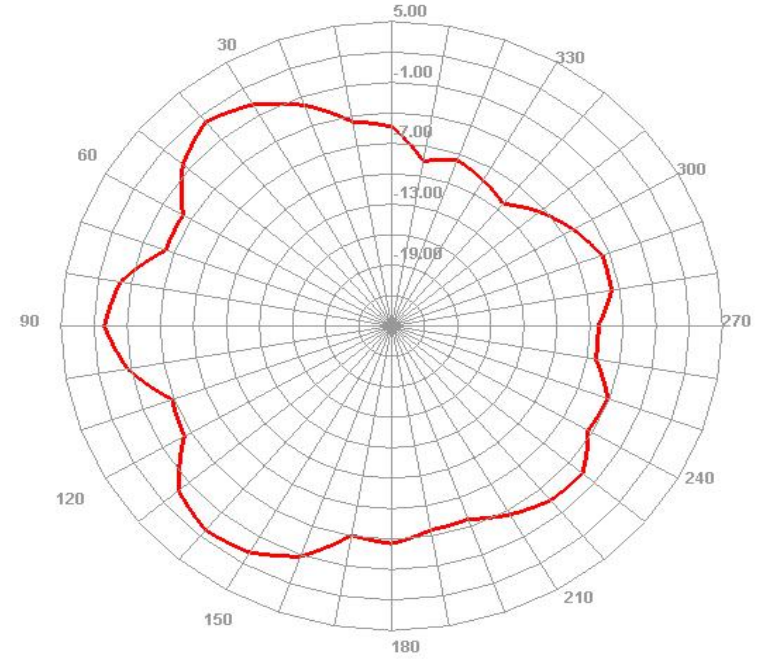
# Efficient (5.8GWIFI)

(unit :db)

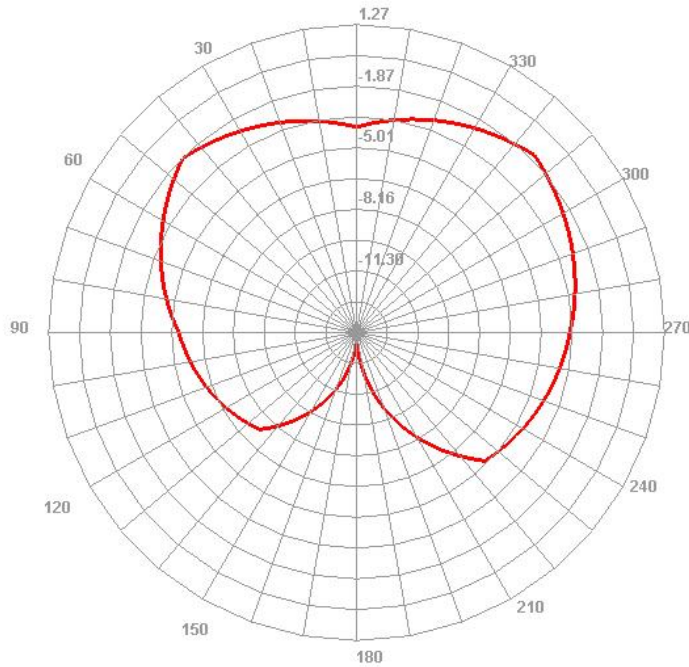
5730.000MHz



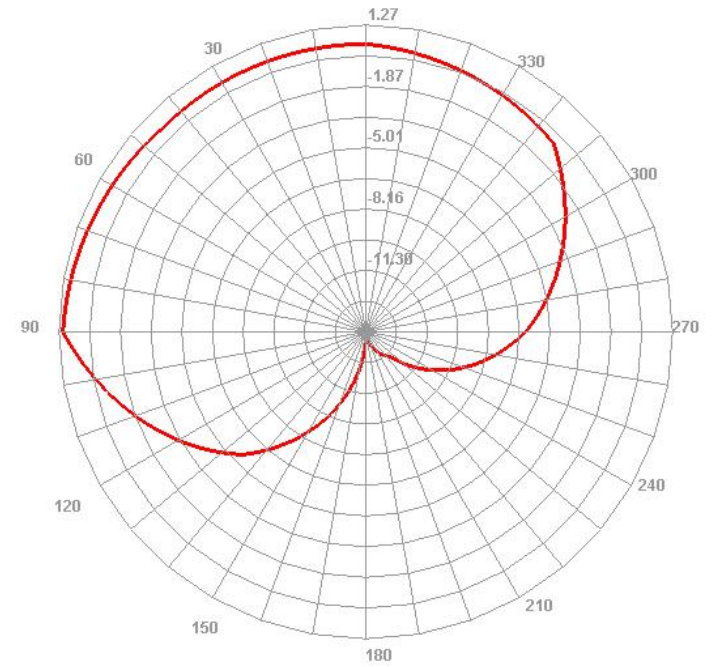
5730.000MHz H



5730.000MHz E1



5730.000MHz E2





# Wifi Antenna test

