



ShenZhen Huaxinwei communication technology
Co.,Ltd.

Antenna SPEC

Customer Name: TianRuiXiang

Project Name: S6805-63C

Designer: Zhang Jun

Date: 2023/10/11

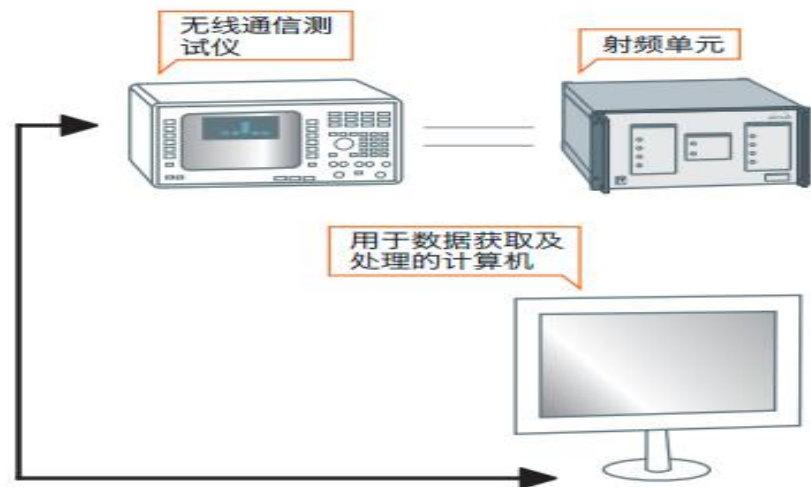
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The customer name		TianRuiXiang	Project Name	S6805-63C
NO.	project	Detailed above		
1	spectrum	GSM850/900/1800/1900+WCDMA-B1/2/4/5/8+LTE-B2/3/4/5/7/12/17/28/66/71/38+GPS/WIFI/BT		
2	Project type	The mobile phone		
3	Antenna space area			
4	Feed point type			
5	The sensitivity			
6	Type of antenna			
7	The length of the PCB board			
8	note	Debugging prototype		
RF		Zhang Jun	13430515055	hxw_xiaozhang@126.com

1、Test system and test equipment

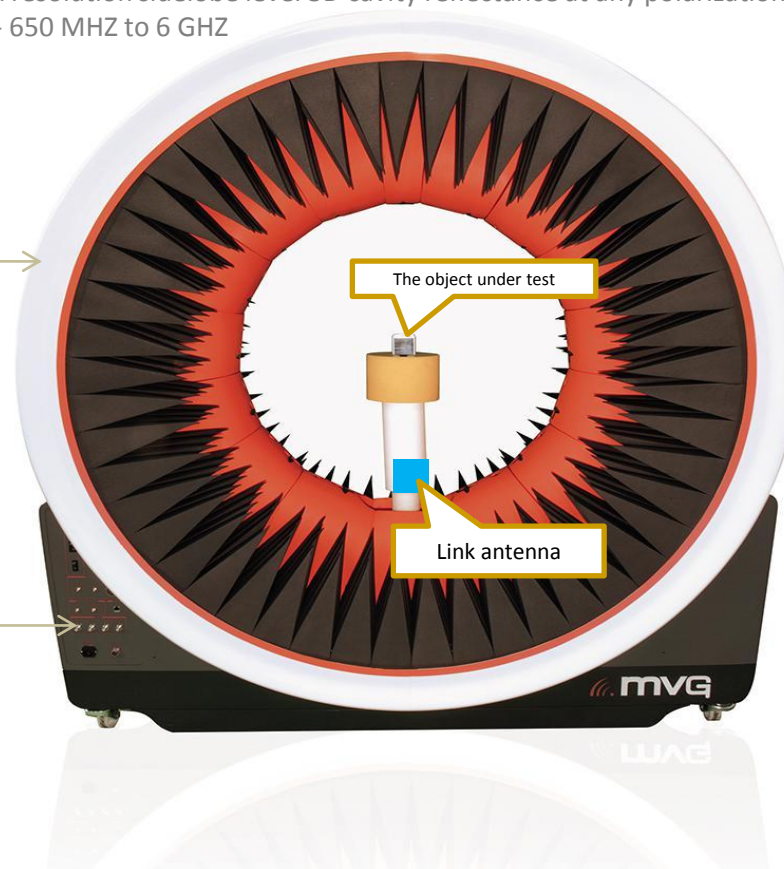
System Brand: MVG(SATIMO) measurement features: gain • pattern beamwidth cross polarization resolution sidelobe level 3D cavity reflectance at any polarization cavity reflectance (line or arc) antenna efficiency TRP, TIS, EIRP and EIS. Frequency band: StarLab 6 GHZ - 650 MHZ to 6 GHZ



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 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

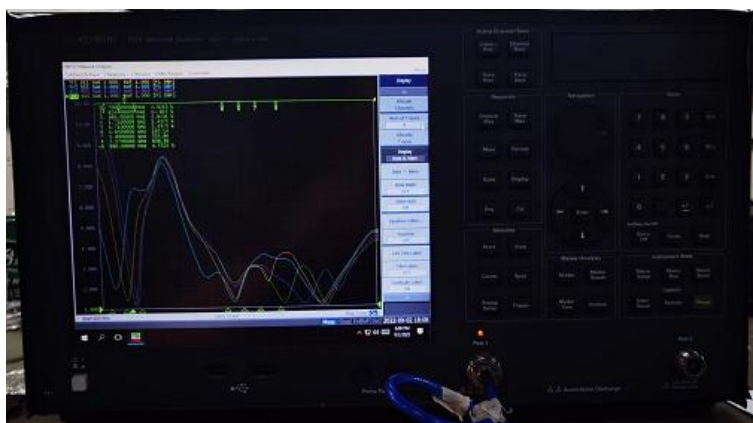
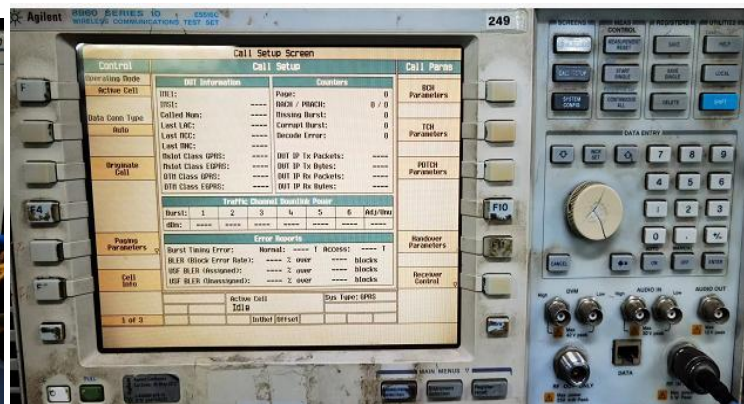


TIS 3D方位切割强度图



TRP 3D方位切割强度图

Test Equipment

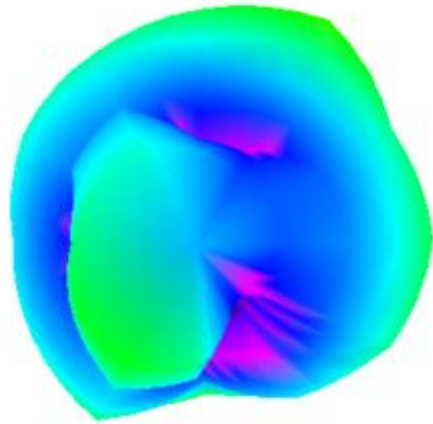


Efficient (2G+3G+4G+2. 4G-WiFi /BT)

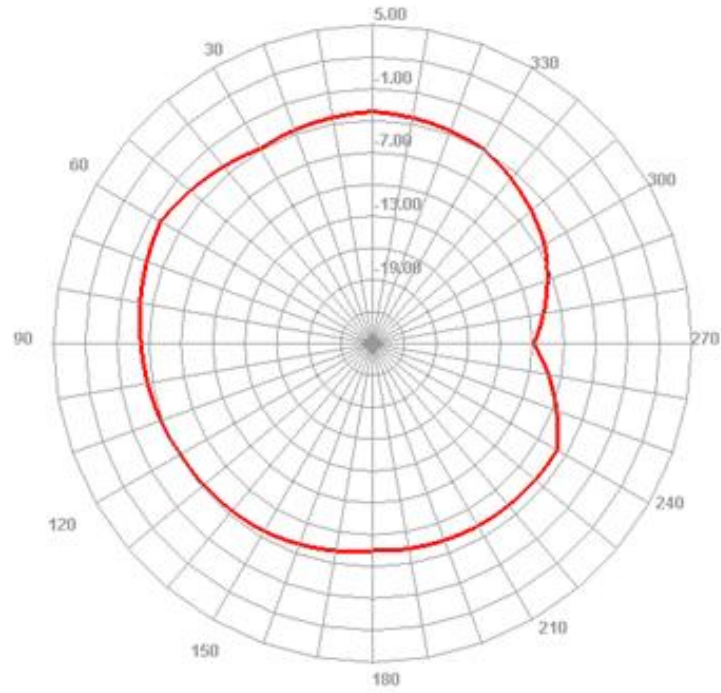
PEAK GAIN			
2G:	Frequency range	Effi %	Gaim dBi
GSM850	824~894Mhz	21. 80	-0. 71
GSM900	880~960Mhz	20. 84	-1. 05
DCS1800	1710~1880Mhz	28. 62	0. 63
PCS1900	1850~1990Mhz	30. 81	0. 81
3G:			
W1	1920~2170Mhz	37. 45	0. 91
W2	1850~1990Mhz	30. 81	0. 81
W4	1710~2155Mhz	31. 07	0. 92
W5	824~894Mhz	21. 80	-0. 71
W8	880~960Mhz	20. 84	-1. 05
4G:			
LTE-B2	1850~1990Mhz	30. 81	0. 81
LTE-B3	1710~1880Mhz	28. 62	0. 63
LTE-B4	1710~2155Mhz	31. 07	0. 92
LTE-B5	824~894Mhz	21. 80	-0. 71
LTE-B7	2500~2690Mhz	28. 01	1. 12
LTE-B12	698~746Mhz	19. 03	-1. 42
LTE-B17	704~746Mhz	19. 03	-1. 42
LTE-B28	708~798Mhz	19. 03	-1. 42
LTE-B71	617~697. 9Mhz	20. 38	-4. 30
LTE-B66	1710~2170Mhz	31. 08	0. 92
LTE-B38	2570~2620Mhz	28. 03	1. 12
2. 4G-WIFI	2400~2500Mhz	42. 70	2. 10
BT	2400~2500Mhz	42. 70	2. 10
GPS	1575Mhz	38. 73	0. 43

Efficient (2.4G-WIFI/BT 2400-2500MHz)

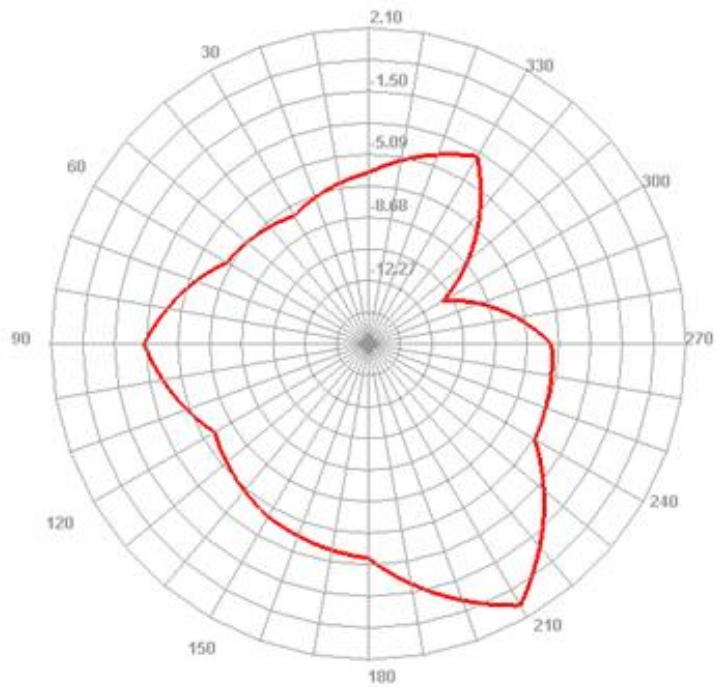
2450.000MHz



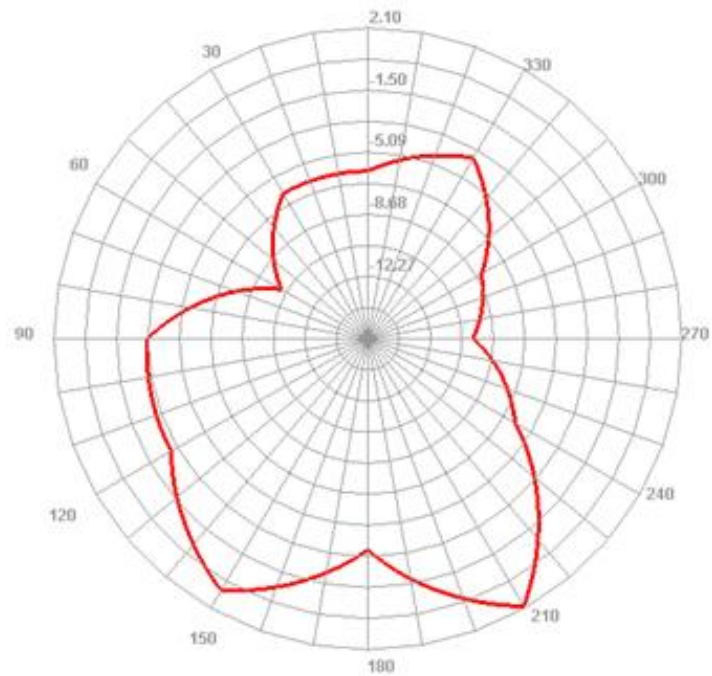
2450.000MHz H



2450.000MHz E1



2450.000MHz E2



GSM1800/GSM1900+
W1/2/4+LTE-B2/3/4/7/66/38

