



ShenZhen Huaxinwei communication technology
Co.,Ltd.

Antenna SPEC

Customer Name: TianRuiXiang

Project Name: S6805-63C

Designer: Zhang Jun

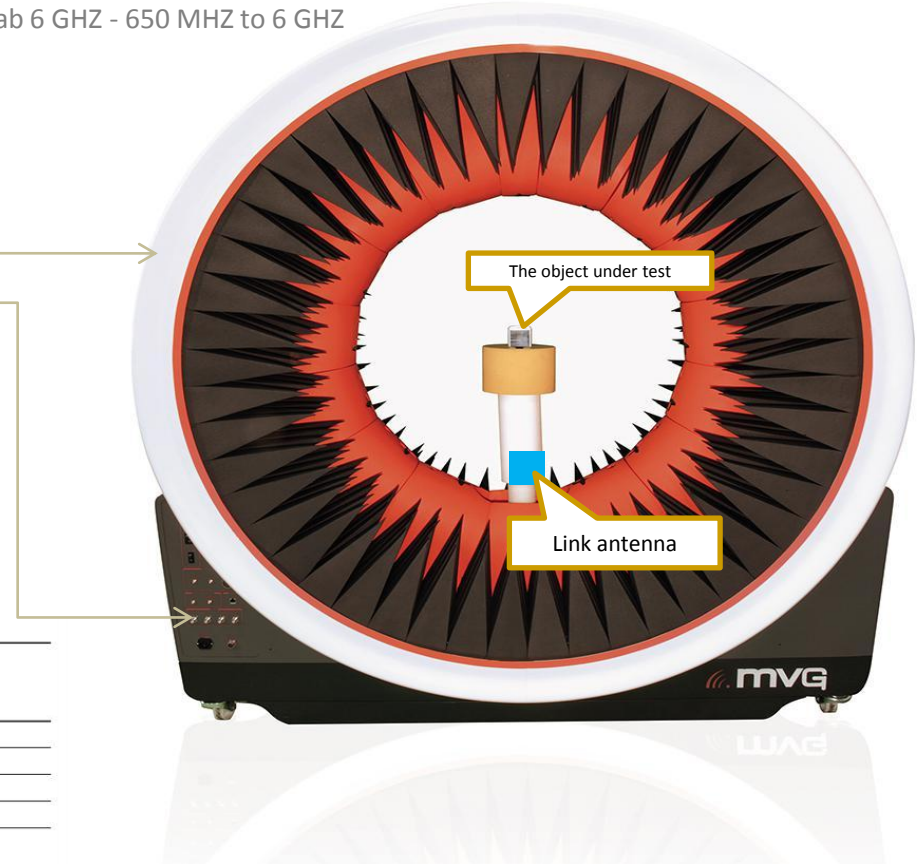
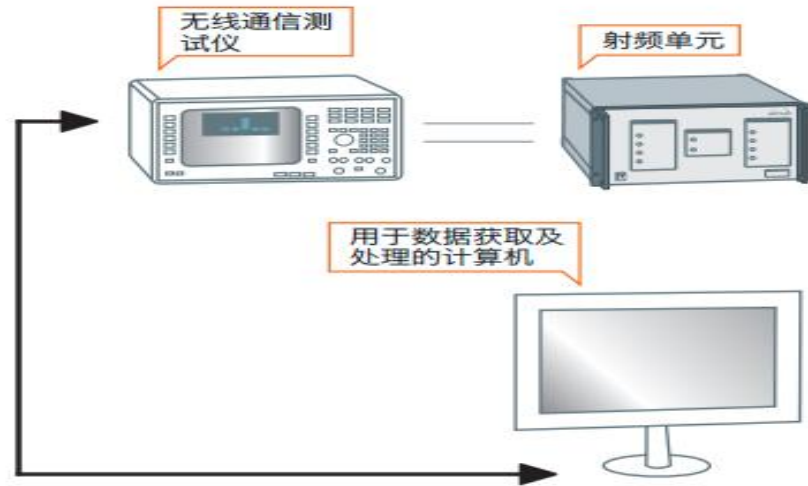
Date: 2023/10/11

Address: Room 203, Building C, 5/F, Chuang Wei Innovation Valley, No. 1 Tangtou Road, Shiyan Street, Bao'an District, Shenzhen City, China.

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

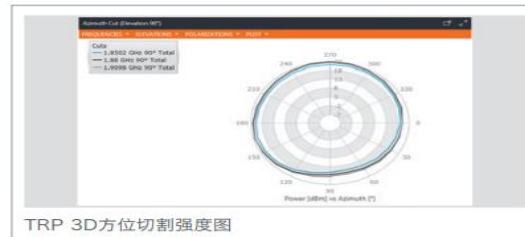
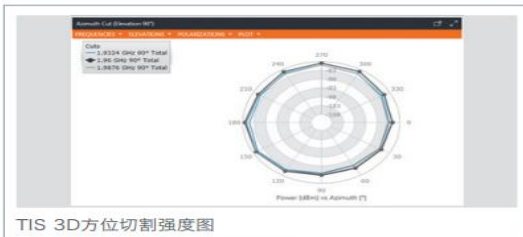
System Brand: MVG(SATIMO) measurement features: gain • pattern beamwidth cross polarization resolution sidelobe level 3D cavity reflectance at any polarization cavity reflectance (line or arc) antenna efficiency TRP, TIS, EIRP and EIS. Frequency band: StarLab 6 GHz - 650 MHz to 6 GHz



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

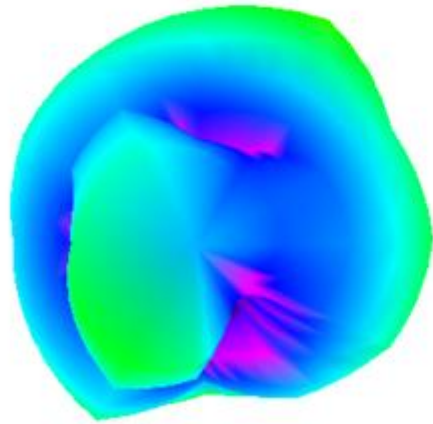


Efficient (2G+3G+4G+2. 4G-WiFi /BT)

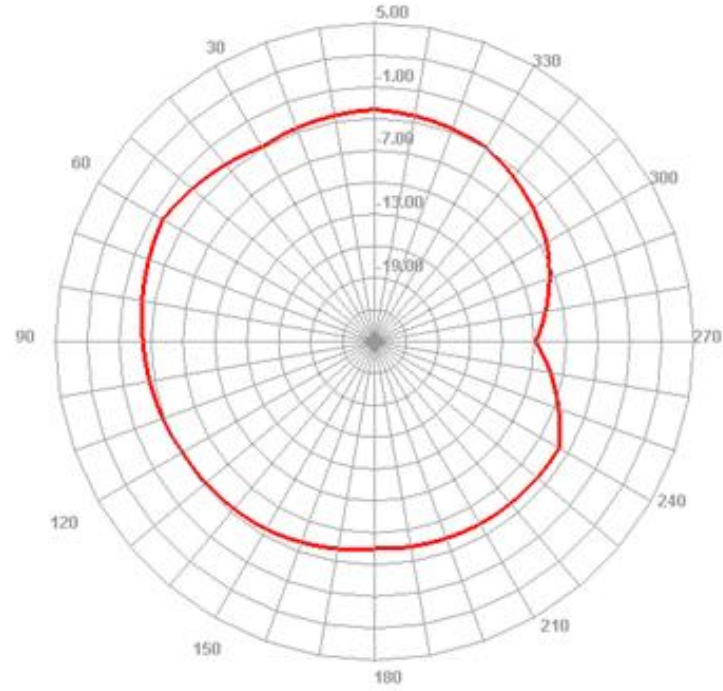
PEAK GAIN			
2G:	Frequency range	Effi %	Gaim dBi
GSM850	824~894Mhz	21.80	-0.71
GSM900	880~960Mhz	20.84	-1.05
DCS1800	1710~1880Mhz	28.62	0.63
PCS1900	1850~1990Mhz	30.81	0.81
3G:			
W1	1920~2170Mhz	37.45	0.91
W2	1850~1990Mhz	30.81	0.81
W4	1710~2155Mhz	31.07	0.92
W5	824~894Mhz	21.80	-0.71
W8	880~960Mhz	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)

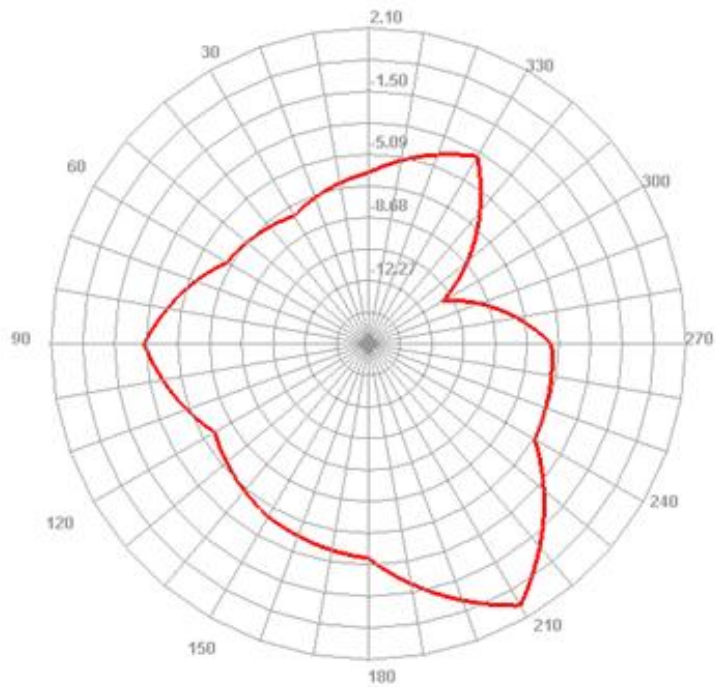
2450.000MHz



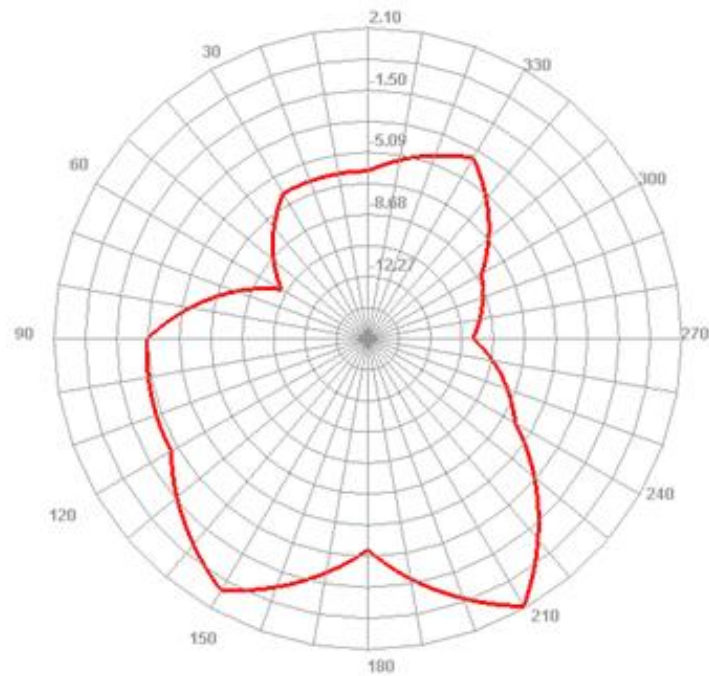
2450.000MHz H



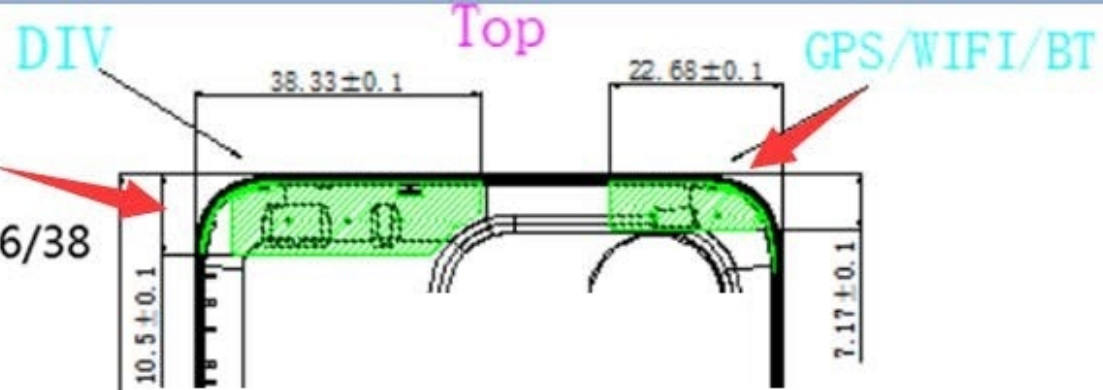
2450.000MHz E1



2450.000MHz E2



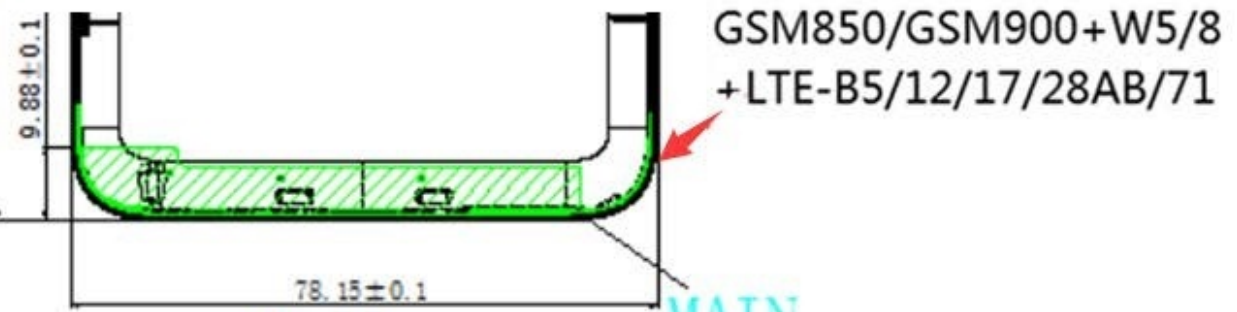
GSM1800/GSM1900+
W1/2/4+LTE-B2/3/4/7/66/38



Left

Right

168.05 ± 0.1



Bottom

MAIN