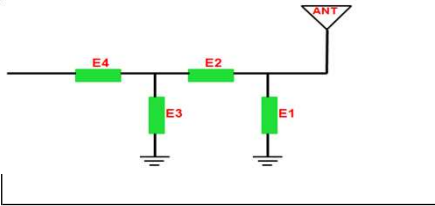




K55B2 Antenna

Matching circuits (匹配电路)



主路匹配		开关匹配	
Element	Value	Element	Value
L9020	1PF	C886	0Ω
R9071	2.7NH	R853	10NH
R9070	0Ω	C187	15NH
C9070	10NH	C188	18NH

主天线主路匹配改动如右图标记。

分集和三合一天线匹配没有改动。

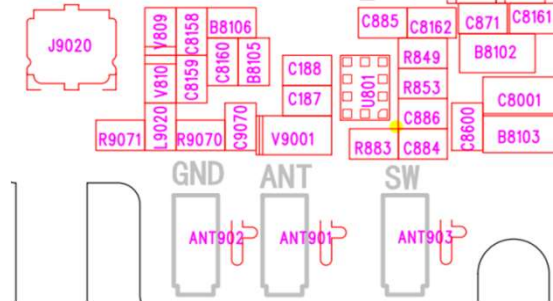
开关配置如下：

RF1路(C886) , 0Ω: GSM850/900/1800/1900+WCDMA2/4/5+FDD2/4/5/66/41

RF2路(R853) , 10NH: FDD13

RF3路(C187) , 15NH: FDD12/17

RF4路(C188) , 18NH: FDD71



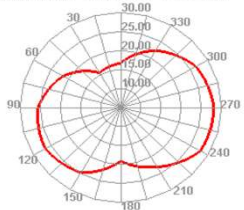
Test data (测试数据)

2G	CH	TRP	TIS
GSM850	128	26.35	
	190	27.31	
	251	27.41	-102.51
EGSM900	1	26.61	
	62	25.78	
	124	24.93	-96.49
DCS1800	512	25.19	
	698	24.41	
	885	24.55	-105.43
PCS1900	512	25.76	
	661	26.46	
	810	25.59	-105.54

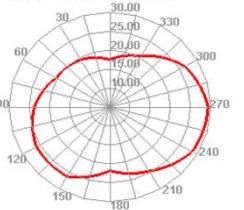
3G	CH	TRP	TIS
WCDMA2	9262	18.28	
	9400	18.69	
	9538	18.68	-105.62
WCDMA4	1537	16.38	
	1625	16.69	
	1738	16.33	-105.42
WCDMA5	4132	16.31	
	4183	16.82	
	4233	16.66	-101.69

4G	CH	TRP	TIS
FDD-B2	18650	18.38	
	18900	18.73	
	19150	18.52	-95.49
	20000	16.25	
FDD-B4	20175	17.15	
	20350	18.41	-96.86
	20450	16.63	
	20525	17.57	
FDD-B5	20600	17.62	-90.06
	23060	16.58	
	23095	17.58	
	23130	17.15	-90.58
FDD-B13	23230	17.21	-90.65
	23780	16.6	
	23790	16.8	
	23800	17.89	-90.79
FDD-B17	132022	16.27	
	132322	17.25	
	132622	18.08	-96.94
	133172	16.19	
FDD-B71	133297	17.06	
	133422	17.69	-90.45
	40340	17.97	
	40620	17.56	
TDD-B41	41140	17.35	-90.23

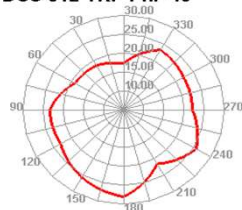
GSM850 128 TRP Phi=45



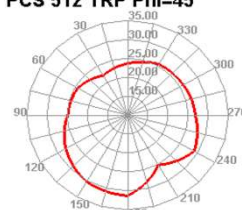
EGSM 1 TRP Phi=45



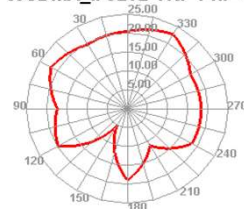
DCS 512 TRP Phi=45



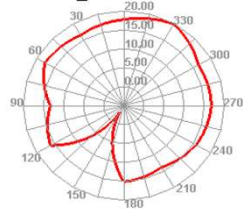
PCS 512 TRP Phi=45



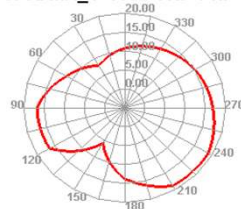
WCDMA_II 9262 TRP Phi=45



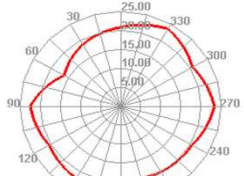
WCDMA_IV 1313 TRP Phi=45



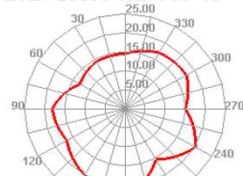
WCDMA_V 4132 TRP Phi=45



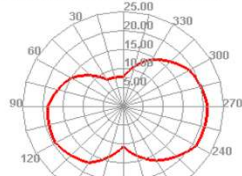
LTE2 18650 TRP Phi=45



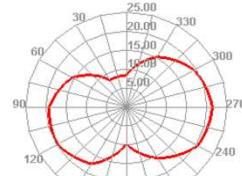
LTE4 20000 TRP Phi=45

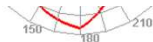
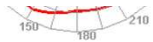


LTE5 20450 TRP Phi=45

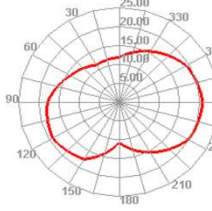


LTE12 23060 TRP Phi=45

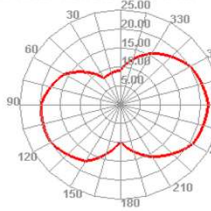




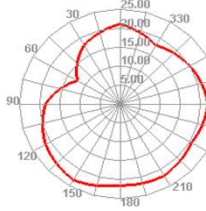
LTE13 23230 TRP Phi=45



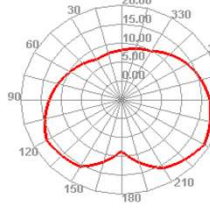
LTE17 23780 TRP Phi=45



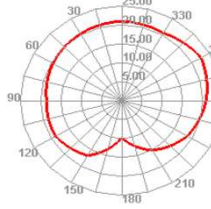
LTE66 132022 TRP Phi=45



LTE71 133172 TRP Phi=45



LTE41 40340 TRP Phi=45

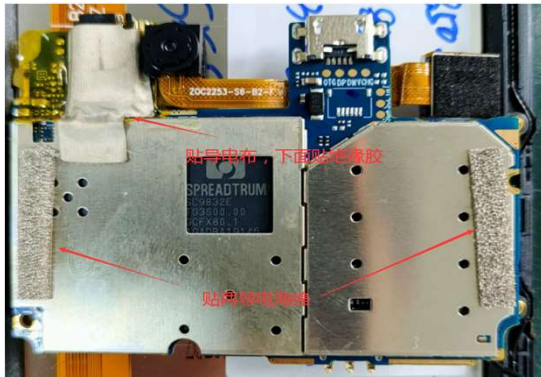


GPS/WIFI Field test (GPS/WIFI场测)



GPS	最大信号强度	搜星数量	平均定位时间	晴天
	42	18	58S	
WIFI	正常上网距离		在线视频流畅距离	
	10M		10M	
BT场测	连接蓝牙听歌15米无卡顿。			

Treatment measures (环境处理)





Report description (调试状态描述):

Antenna Max. Peak Gain:

EGSM900: -2.93dBi

GSM850: -2.18dBi

DCS1800: -0.13dBi

PCS1900: 0.92dBi

WCDMA-B2: 0.92dBi

WCDMA-B4: 0.53dBi

WCDMA-B5: -2.18dBi

LTE-B2: 0.92dBi

LTE-B4: 0.53dBi

LTE-B5: -2.18dBi

LTE-B12: -2.23dBi

LTE-B13: -1.98dBi

LTE-B17: -2.23dBi

LTE-B66: 0.53dBi

LTE-B71: -2.69dBi

GPS: -0.25dBi

WIFI/BT: 0.19dBi

The end