Shenzhen 3good Wireless Technology Co., Ltd

Specification

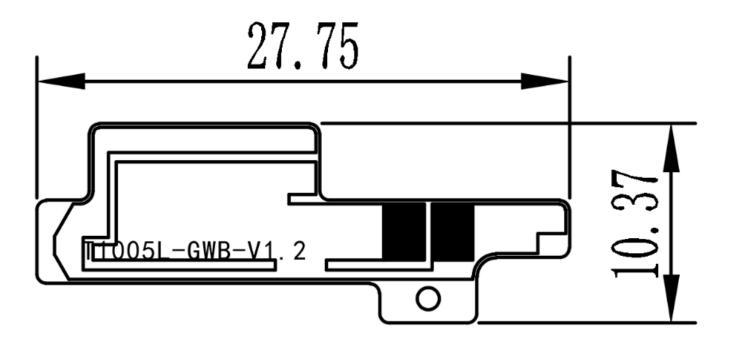
客户 Customer	Cloud base	规格型号 Specs	T1005L		
三好料号 Part Number	T1005L-01 T1005L-02 T1005L-03	频 段 Frequency Band	BT&2.4G WIFI:2.4G/5.8G GSM850/900/1800/1900 WCDMA1/2/5 B2.4.5.12.66.71.41		
颜 色 Color	black	版 本 Edition	REV:A1		
销 售 Salesperson		设 计 Design	叶金强		
结 构 Structure	李富伦	确 认 Confirm	周武		
日 期 Date					
客户确认 Customer confirmation:					
Join hands to create the future					

/

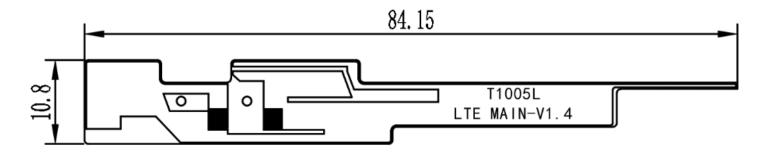
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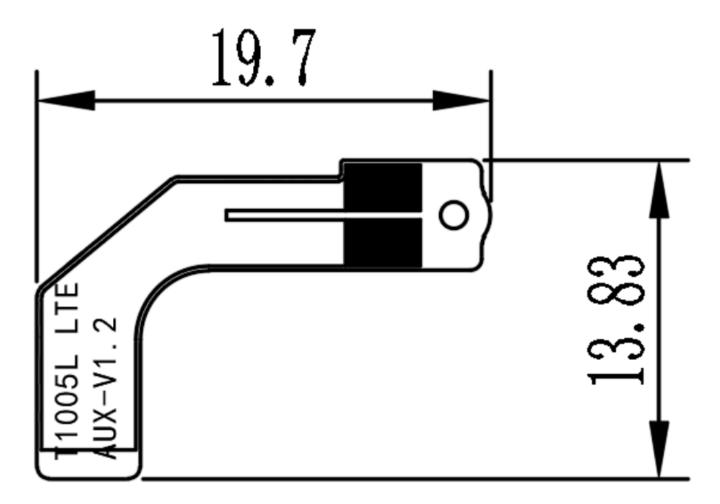
Three in one antenna



Main set antenna



Diversity antenna

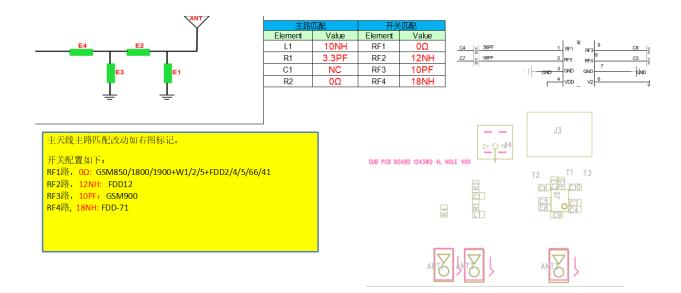


 \Box_{∞} Electrical performance

1.Specifications

The operating frequency band of K55B1 antenna is 699~960MHZ and 1710~2700MHZ, in which resonance occurs.

2. Matching circuit of antenna



Structure of antenna: FPC

\equiv . Test of parameters

1.Test settings

The connection of VSWR test device is:

E5071Bnetwork analyzer \rightarrow 500hmic coaxial Cable \rightarrow 110mmLong copper tube \rightarrow Test fixture

Treatment of test fixture:

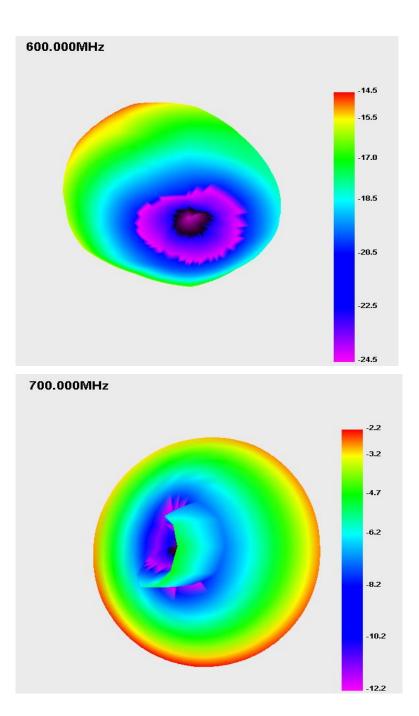
Use a hard cable to lead out the SMA-J connector from the 50 ohm test point of the antenna on the mobile phone PCB, connect it to the copper tube with a choke, and then connect other devices in turn.

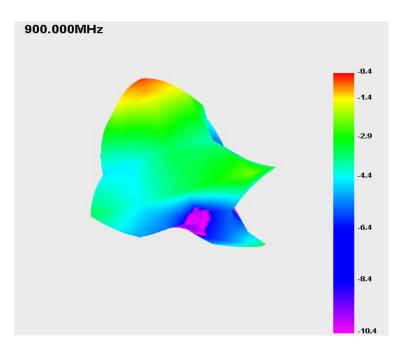
Passive parameters of main antenna:

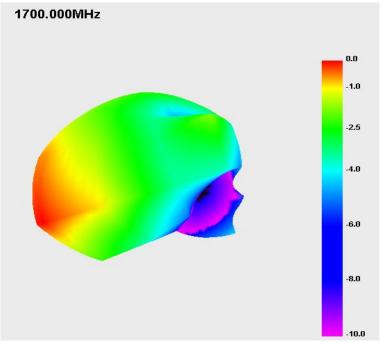
工作频段(Working frequency band): 600~960MHZ,1710~2700MHZ GSM850/900/1800/1900 WCDMA1/2/5 B2.4.5.12.66.71.41

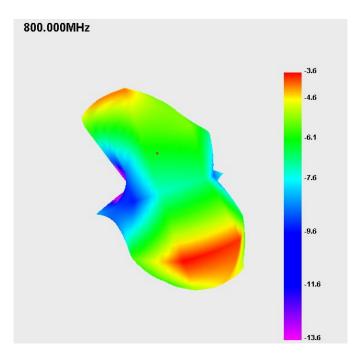
Gain				
	gain			
	增益			
频段 Band	(dBi)			
LTE-B12	-3.58			
GSM850,WCDMA-B5,LTE-B5	-1.82			
GSM900	-2.06			
DCS1800	-0.53			
LTE-B4,66	-0.32			
PCS1900,WCDMA-B2,LTE-B2	0.23			
WCDMA-B1	0.69			
LTE-B41	0.39			
LTE-B71	-5.23			

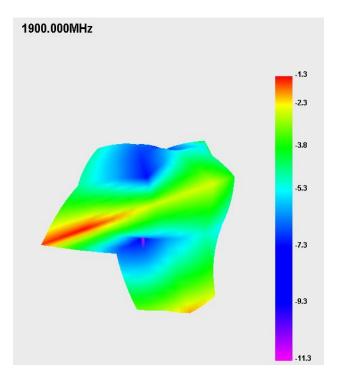
GPS	0.16
2.4G WIFI/BT	1.64
5.2G WIFI	0.29
5.8G WIFI	0.63

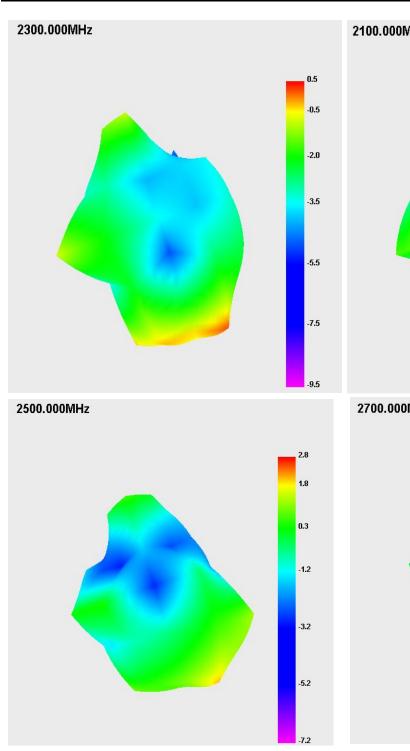


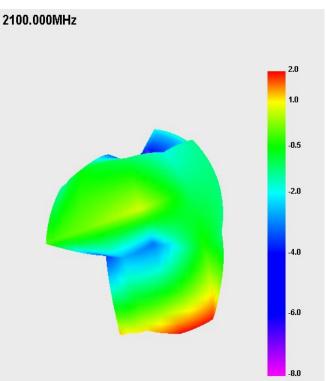




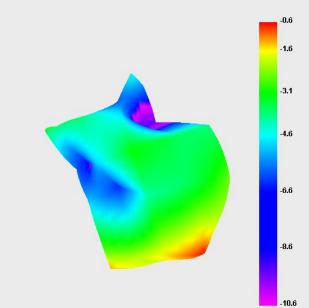


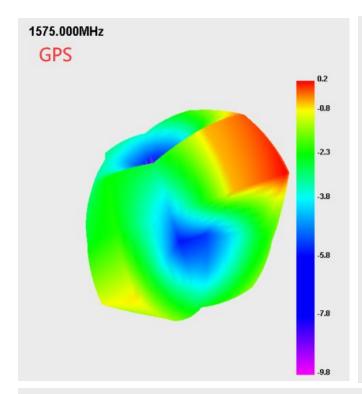


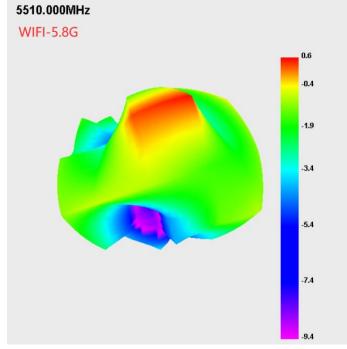


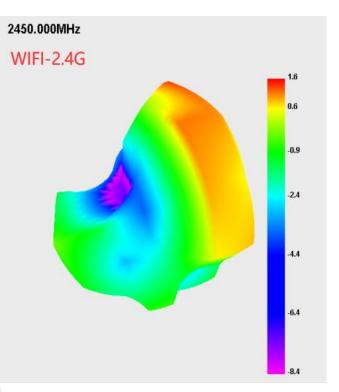


2700.000MHz









GPS/WIFI/BTPassive parameters of antenna:

工作频段(Working frequency band): 1560~1580MHZ, 2400~2500MHZ

2.test result

business as usual.

四、Active test setup

The active test devices are sequentially connected as follows:

Agilent8960→500hmic coaxialCable	→ Satimo	system→	Mobile phone to be tested
0		'	

1.Test site

microwave anechoic chamber: the test frequency range is 400MHz - 6GHz, the quiet zone range is 40cm circumference, and the reflectivity is less than - 90 dB.

2.test result

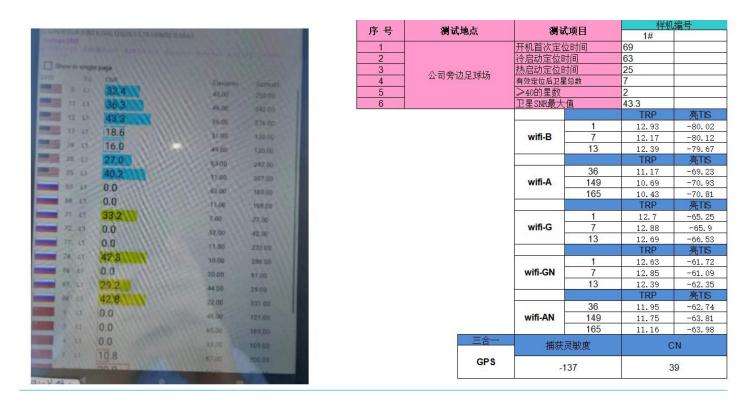
The maximum radiation power and maximum receiving sensitivity reflect the maximum power radiation value and the optimal receiving performance of the antenna in the entire radiation space. TRP and TIS reflect the average radiation power and average receiving sensitivity of the antenna, that is, the overall receiving performance of the antenna.

The following is the active test result of K55B1mobile phone main antenna:

2G	СН	TRP	TIS
	128	28.6	
GSM850	190	29.07	
	251	29.25	-103.35
	1	27.89	
EGSM900	62	28.05	
	124	27.58	-101.56
	512	24.53	
DC \$1800	698	24.68	
	885	25.39	-105.21
	512	25.88	
PC \$1900	661	26.19	
	810	26.97	-105.2
20		ТОО	
3G	СН	TRP	TIS
	CH 10562	17.97	
3G WCDMA1	CH 10562 10700	17.97 18.12	TIS
	CH 10562 10700 10838	17.97 18.12 18.96	
WCDMA1	CH 10562 10700 10838 9662	17.97 18.12 18.96 18.67	TIS
	CH 10562 10700 10838 9662 9800	17.97 18.12 18.96 18.67 18.74	TIS -105.76
WCDMA1	CH 10562 10700 10838 9662	17.97 18.12 18.96 18.67 18.74 18.65	TIS
WCDMA1	CH 10562 10700 10838 9662 9800 9938	17.97 18.12 18.96 18.67 18.74	TIS -105.76

4G	СН	TRP	TIS
	18650	19.58	
FDD-B2	18900	19.7	
	19150	18.92	-95.07
	20000	19.43	
FDD-B4	20175	19.34	
	20350	18.69	-93.93
	20450	18.06	
FDD-B5	20525	18.5	
	20600	18.72	-92.45
	23060	18.64	
FDD-B12	23095	18.65	
	23130	17.7	-90.73
	132022	18.71	
FDD-B66	132322	19.19	
	132622	18.2	-92.4
	133172	18.32	
FDD-B71	133297	17.6	
	133422	16.49	-89.42
	40340	18.7	
TDD-B41	40620	18.92	
	41140	19.23	-90.15

2-1.Three in one test results



2-2.蓝牙测试(Bluetooth Test):

10 meters online listening to music, making calls smoothly without interruption