

Antenna Test Report

Test Lab: Shenzhen 3good Wireless Technology Co., Ltd
manufacturer: Shenzhen 3good Wireless Technology Co., Ltd

Specification

Customer		Specs	ASTRO A64
Part Number		Frequency Band	BT&2.4G WIFI:BT&2.4G WIFI:2402-2480 MHz;2412-2462 MHz 5G WIFI:5150~5250MHz,5725~5850MHz GSM850/900/1800/1900 WCDMA2/4/5 LTE B2/4/5/12/17/66/71/41
Color	black	Edition	
Customer confirmation:			
Join hands to create the future			

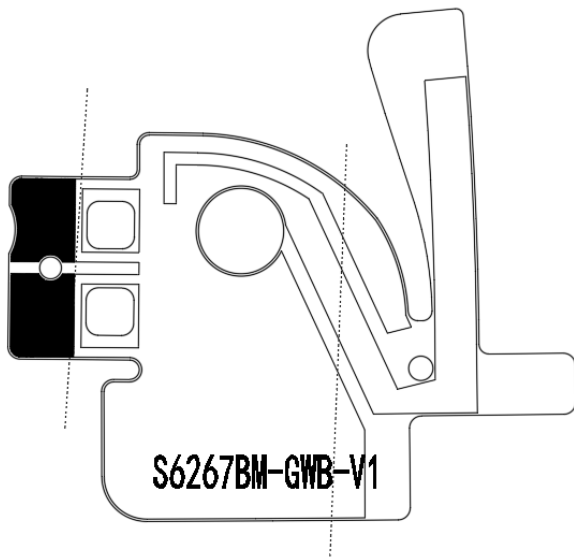
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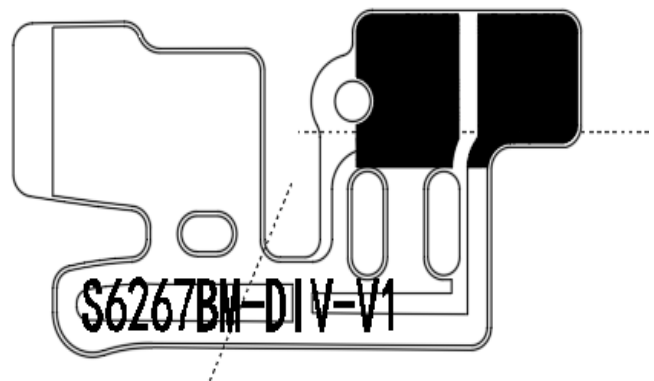
Product specifications

The report mainly provides parameter tests of antenna performance. antenna is 4G antenna. (As shown in the figure below)

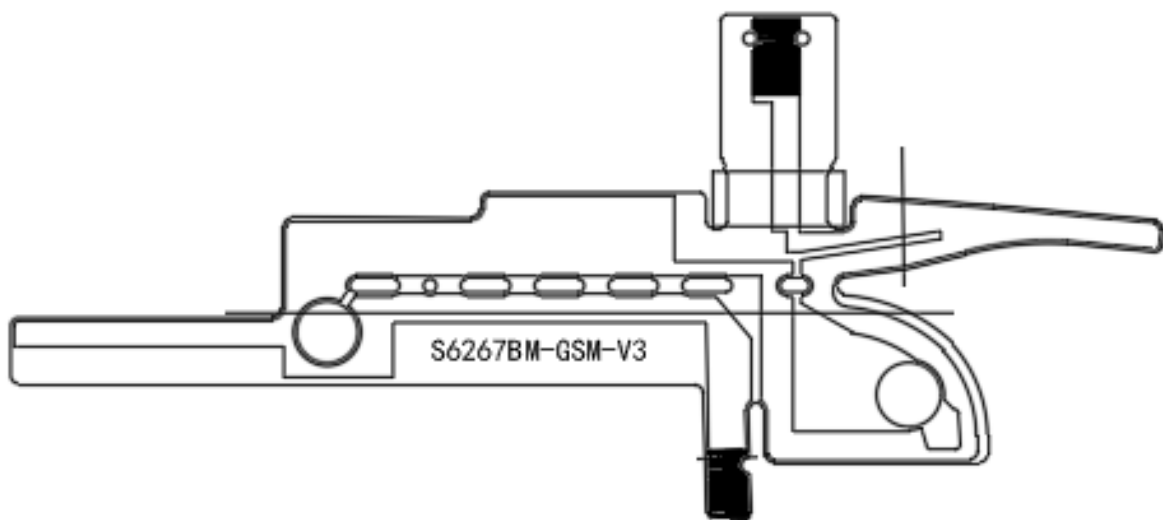
Three in one antenna



Diversity antenna



Main set antenna



Electrical performance

1.Specifications

The operating frequency band of S6267BM antenna is 699~960MHZ and 1710~2700MHZ, in which resonance occurs.

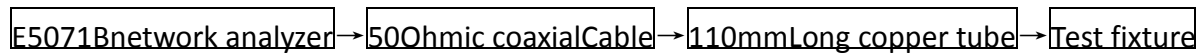
2. Matching circuit of antenna

Structure of antenna: FPC

Test of parameters

1. Test settings

The connection of VSWR test device is:



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:

(Working frequency band): BT&2.4G WIFI:2402-2480 MHz;2412-2462 MHz

5G WIFI:5150~5250MHz,5725~5850MHz

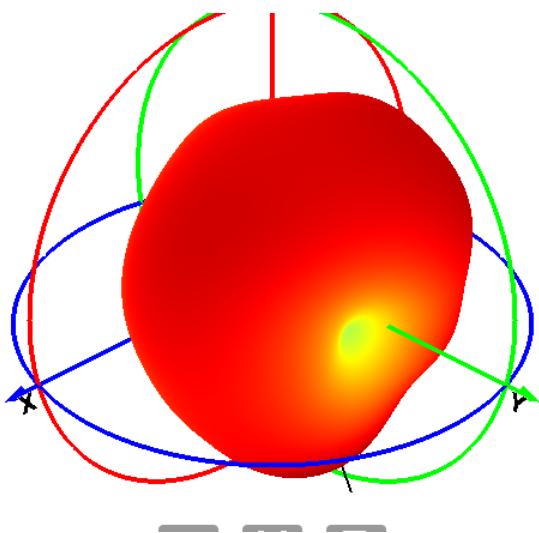
GSM850/900/1800/1900

WCDMA2/4/5

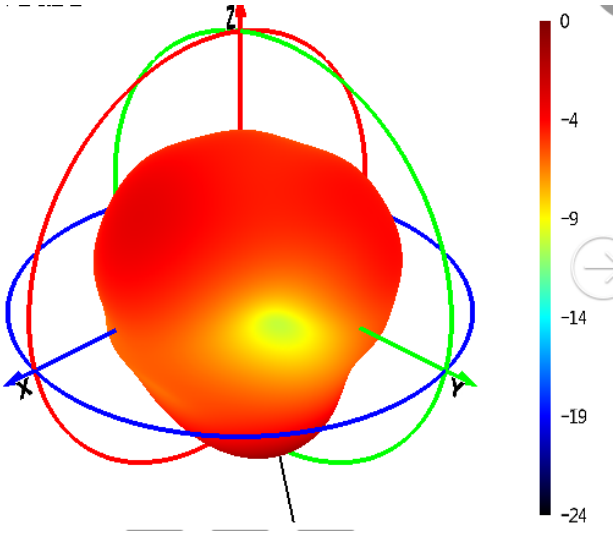
LTE B2/4/5/12/17/66/71/41

Gain			
Band	gain (dBi)	Band	gain (dBi)
GSM850,WCDMA-B5,LTE-B5/B	-0.27	LTE-B41	0.88
GSM900	-0.17	LTE-B12//B17/B71	-0.57
DCS1800,WCDMA-B4,LTE-B4/66	0.58		
PCS1900,WCDMA-B2,LTE-B2	0.67		

700

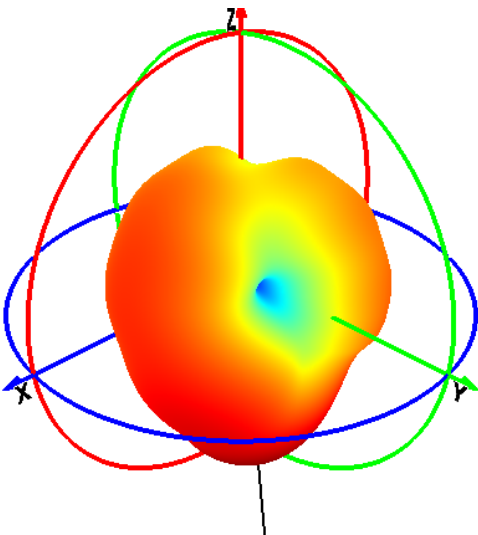


800

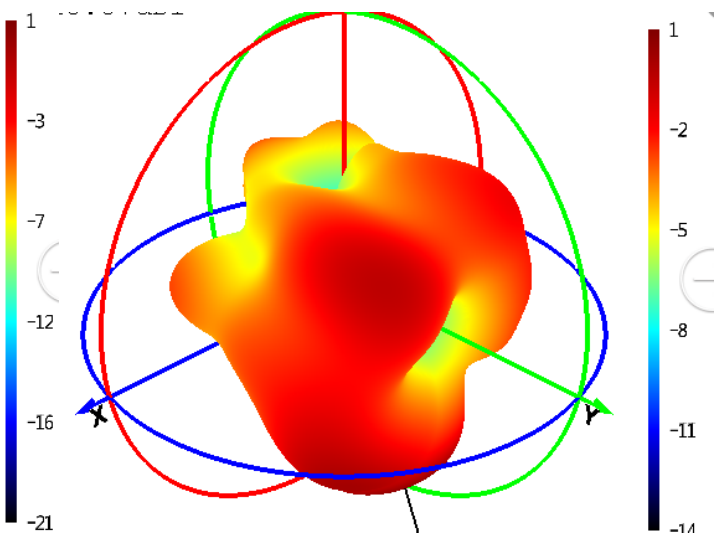


900

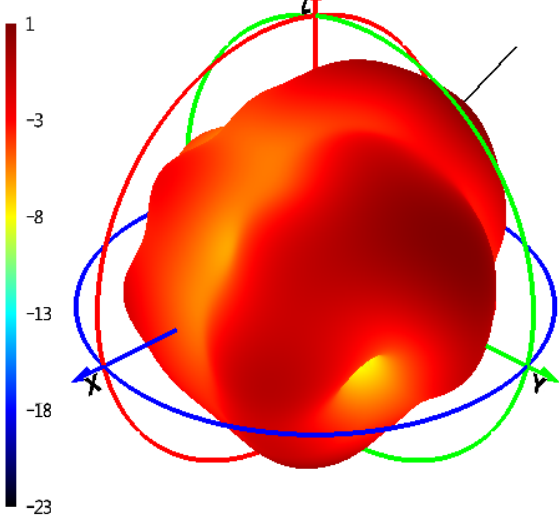
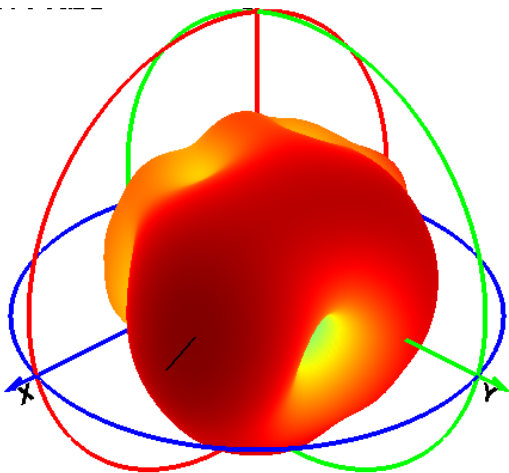
1700



1900



2700

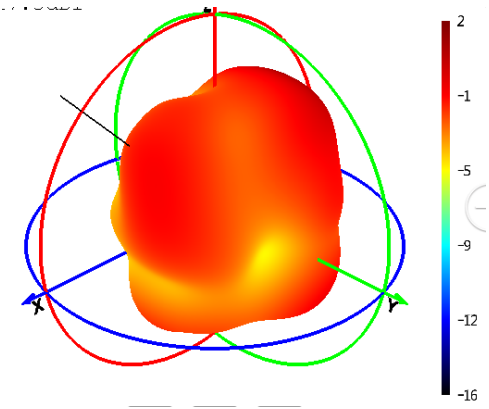


GPS/WIFI/BTPassive parameters of antenna:

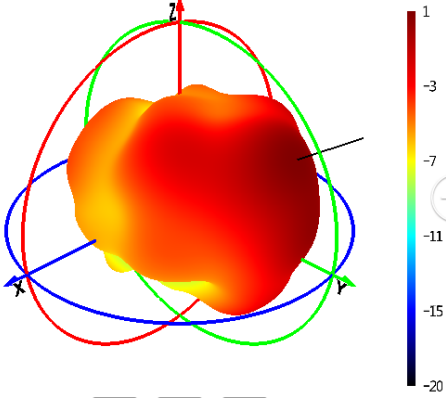
(Working frequency band): 1560~1580MHZ, 2400~2500MHZ,5180~8525MHZ

Gain			
Band	gain (dBi)	Band	gain dBi)
GPS	1.12	2.4G WIFI/BT	0.88
5G WIFI	-0.57		

GPS



2.4G WIFI/BT



5G WIFI

