



CUSTOMER NAME					
CUSTOMER P/N					
PART NAME	4G FPC bracket ma: (Suitable for model)				
P/ N	YJC-6N000-B2	227-F			
APPROVAL REV.	АО				
DELIVERY DATE	October 17th, '23				
PREPARED BY	Suqing Ye				
CHECKED BY	Longfei Wu				
APPROVED BY					
Customer Approved					
Approved By	Checked By	Prepared By			

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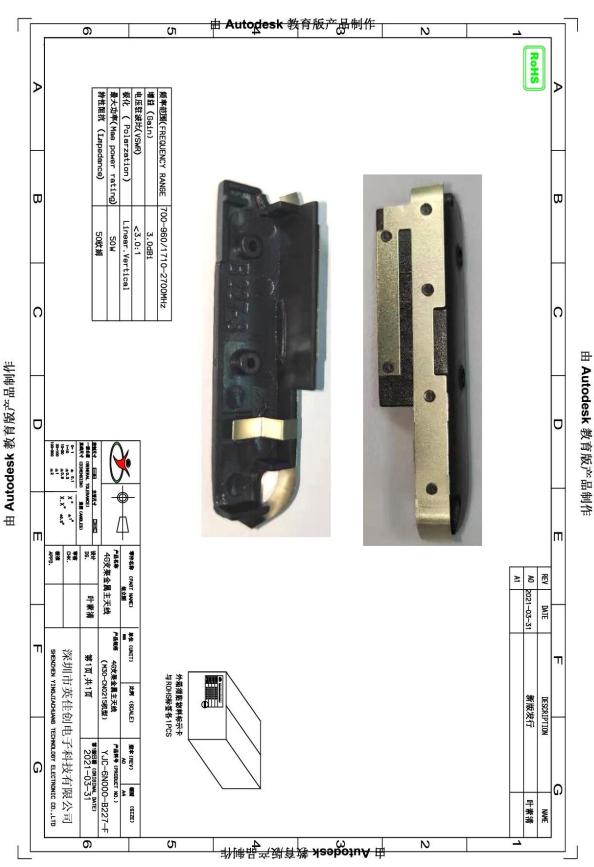


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Antenna plan:





Antenna	technical	parameters	and	environmental	testing:
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Electrical technical parameters							
Frequency Range(1) 850-960/1710-2700MHz VSWR <3.0							
Input Impedance	Input Impedance 50 Ω		BLACK				
Direction	Direction All Working Temperature		-20°C∼+70°C				
Gain 3.0 dBi		Working Humidity	20%~80%				

Environmental performance test:

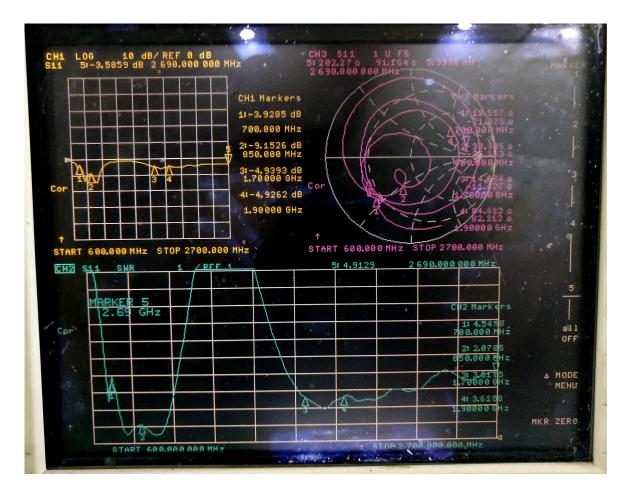
project	test condition	standard
Storage Conditions	In the absence of specified test temperature, humidity, air pressure is as follows: 1. Temperature is - 20 °C $^{\sim}$ + 70 °C 2. Relative humidity of 45% to 45% 3. Air pressure is 86 kpa to 106 kpa	Electrical and mechanical properties is normal
high and low temperature test	Between 70 °C and -20 °C for 5 loops, then 1-2 h under normal conditions, check the appearance quality.	Size should meet the requirements and should satisfy the content with the electrical and mechanical properties
Constant damp and hot resistance test	<pre>95 + / - 3% relative humidity, temperature test: 40 °C. Lasts 2 h after, try to take out the determination of electrical properties, within 5 min after try 1-2 h under article normal thing, check the appearance quality</pre>	Size should meet the requirements and should satisfy the content with the electrical and mechanical properties
vibration test	10-55 hz, vibration frequency range of displacement amplitude: 0.35 MM, acceleration amplitude: 50.0 M/S, sweep cycles: 30 times	Electrical and mechanical properties is normal
fall down test 1 m high altitude in accordance with the perpendicular axis free drop 3 times		Electrical and mechanical properties is normal



Physical picture of antenna:



Antenna performance test chart (4G main antenna).

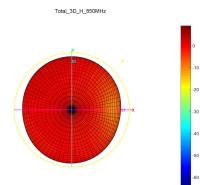


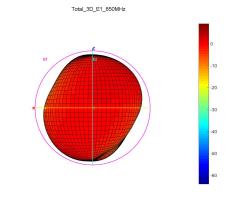


2D.3D Test Data:

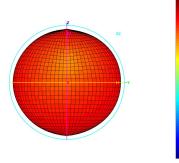
(4G)Test Data:

Frequency	Efficiency (%)	Gain.(dBi)
850MHz	59.70	0.64
860MHz	64.42	0.85
870MHz	64. 57	1.13
880MHz	56.23	0.61
890MHz	34.04	-0.94
900MHz	43.25	-0.62
910MHz	57.15	0.21
920MHz	56.10	0.02
930MHz	51.05	-0.29
940MHz	45.19	-0.92
950MHz	40.09	-1.21
960MHz	33. 73	-1.84

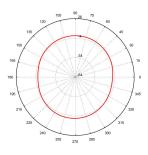




Total_3D_E2_850MHz

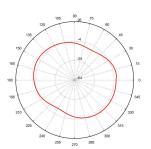


Total_Polar_H_850MHz

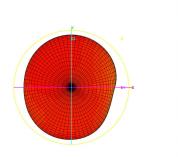




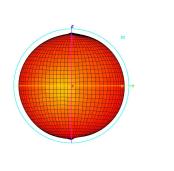
Total_Polar_E1_850MHz



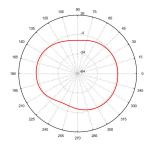








Total_Polar_E1_900MHz





255 270 285

Total_Polar_E2_850MHz

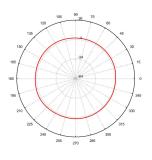
90 _<u>26</u>

270

Total_3D_E1_900MHz

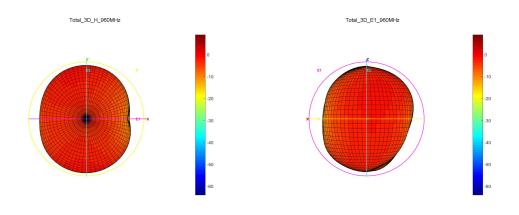
Total_Polar_H_900MHz

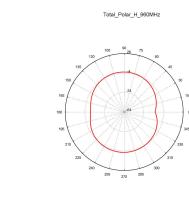
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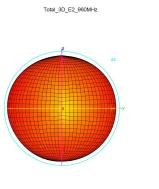


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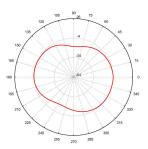






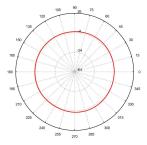


Total P



Total_Polar_E1_960MHz

Total_Polar_E2_960MHz

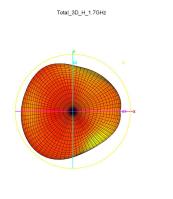




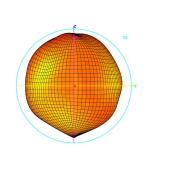
2D.3D Test Data:

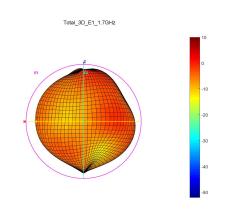
(4G)Test Data:

Frequency	Efficiency (%)	Gain.(dBi)
1700MHz	31.99	-0.85
1800MHz	30.06	-0.90
1900MHz	33.73	-1.00
2000MHz	37.15	0.50
2100MHz	44.98	1.12
2200MHz	37.76	1.20
2300MHz	40.09	2.38
2400MHz	57.02	3.95
2500MHz	61.24	3.67
2600MHz	39.63	1.31
2700MHz	31.33	-0.53

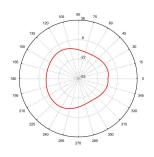


Total_3D_E2_1.7GHz





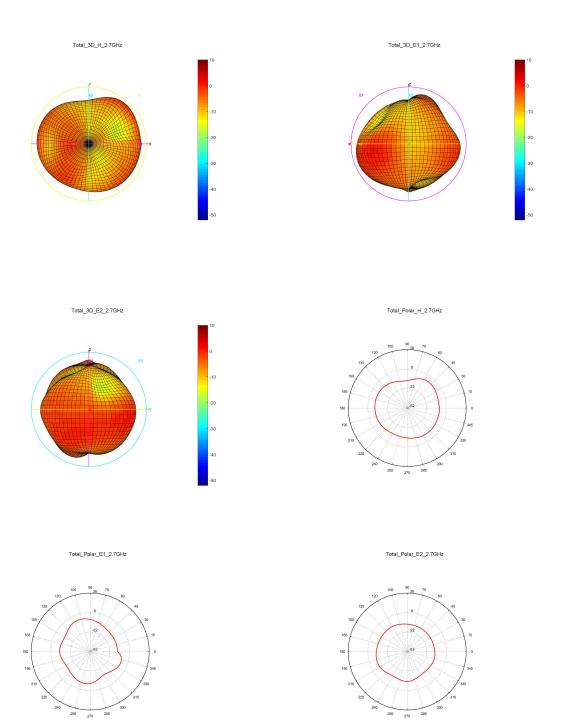
Total_Polar_H_1.7GHz





Total_Polar_E1_1.7GHz Total_Polar_E2_1.7GHz Total_3D_E1_2.1GHz Total_3D_H_2.1GHz Total_3D_E2_2.1GHz Total_Polar_H_2.1GHz 8 -22 270 Total_Polar_E1_2.1GHz Total_Polar_E2_2.1GHz 8 300 300 270 255 270 285







Material RoHS conformity declaration form

This is to certify that the delivery to your company's components, raw materials, auxiliary materials used and the additives in the production engineering are accord with RoHS environmental requirements of the restrictions on the use of hazardous substances directive (RoHS directive 2011/65 / EU)

About components used raw materials, packaging materials, auxiliary materials and additives used in the production process such as composition of the report is as follows:

Component Material /Part Name Composition	ICP report #	Test Org.	Test Date	Content of harmful substances (ppm)					PASS?		
				Cd	Pb	Hg	Cr 6+	PBB	PBDE	PASS	
FPC	FPC	FTS2302160201-01C1	SGS	23/02/20	ND	ND	ND	ND	ND	ND	PASS
Plastic bracket	ABS	CANPC23001081808	SGS	23/03/24	ND	ND	ND	ND	ND	ND	PASS