

acknowledge ment APPROVAL

Version:

client

:

Name rules

DESCRIPTION:

IPEX1.13 Black-2.4G-5G built-in

material Number

al NO.:

GDT030-00088

PART

Customer material number

CUS PART NO.:

sun

designate

D A

d time

2022. 3-1

T E:

Present the sample signature

engineering ENGINEERING DEPARTMENT	QA Q C DEPARTMENT	vocational work SALES DEPARTMENT
 Liang	Ching Tien	Hu Haixin

Customer acknowledges signature

engineering ENGINEERING DEPARTMENT	QA Q C DEPARTMENT	purchase PURCHASING DEPARTMENT
Wei Junmian	Chen Lianghui	Wei Yueqiu

✂ Customer confirmation of sample attachment section:

Office address: 7th floor, CD Building, Tianji
Building, Tianan Digital City, Futian District,
Shenzhen

Factory address:

Electrical technical parameters

Electrical performance index		Electrical Specifications	
frequency range	2400-5850 MHZ	Frequency Range	2400-5850 MHZ
voltage standing-wave ratio	≤ 2.0	VSWR	≤ 2.0
gain	3 DBI	GAIN	3 DBI
input impedance	50 Ω	Input Impedance	50 Ω
Mechanical indicators		Mechanical Specifications	
Antenna color	yellow	Antenna Color	yellow
Interface form	IPEX	Input connector	IPEX
Antenna length	70 mm	Cable length	70 mm
working temperature	-40 $^{\circ}$ C~+85 $^{\circ}$ C	Working Temperature	-40 $^{\circ}$ C~+85 $^{\circ}$ C
Working humidity	20~80%	Working Humidity	20~80%

product picture;



Environmental performance tests:

project	test condition	specifications
Storage environment	In the absence of a specified test temperature, humidity and pressure are as follows: 1. Temperature is -20℃~+85℃ 2. Relative humidity is 45%-85% 3. Pressure is 86 kpa-106 kpa	Electrical mechanical performance is normal
thermocycling	Five cycles were performed between 70℃ and 40℃, followed by normal conditions 1-2H, check the appearance quality.	The size shall meet the requirements and should be Satisfied Mechanical and electrical performance
Resistance to constant humidity and heat	Relative humidity 95±3%, test temperature: 40℃. After 2H of action, The electrical properties of the test specimen shall be measured within 5 minutes after it is removed, and the test specimen shall be normal After 1-2 hours, check the appearance quality	The size shall meet the requirements and should be Satisfied Mechanical and electrical performance
vibration test	Frequency range 10-55 HZ, displacement amplitude: 0.35 MM, acceleration amplitude: 50.0M/S, scan frequency cycle: 20 times	Electrical mechanical performance is normal
fall-down test	The 1M high altitude freely fell five times in the direction of mutually perpendicular axes	Electrical mechanical performance is normal

Network analysis test:

Signal comparison reference:

5200 MHZ; 2.1

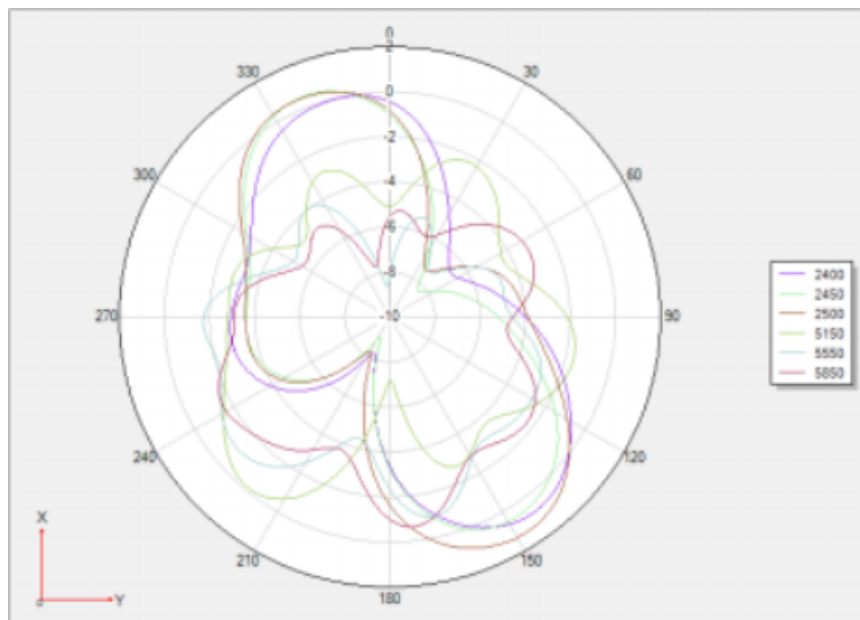
5600 MHZ; 1.6

5800 MHZ; 1.7

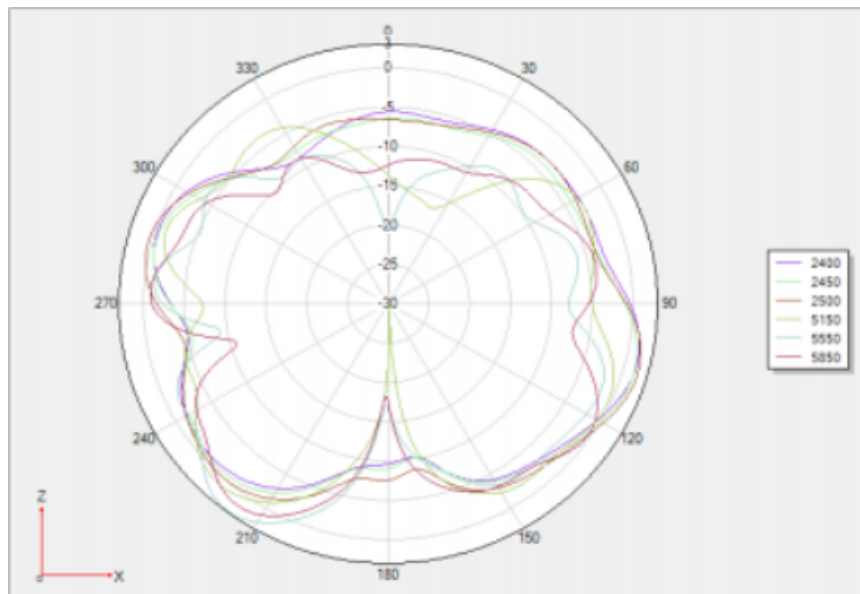
Test images;



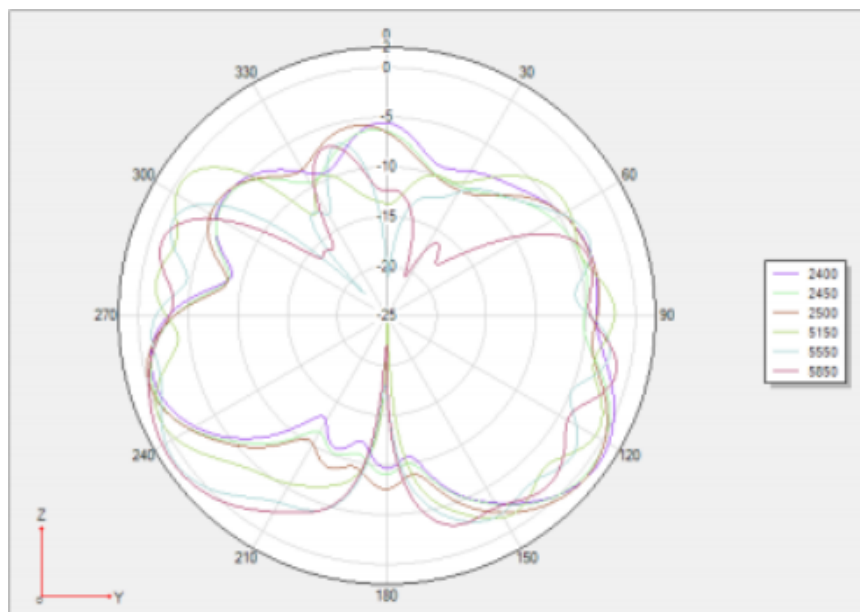
Note: The signal has little effect when there is no external casing



Theta 90 2D



Phi 0 2D



Phi 90 2D