

Product specification

Model Name:	ST1228-30-501-A	Number :	N/A
Antenna material :	External	Frequency Band :	2400~2500 MHz 5150~7125 MHz
Item number :	N/A	Date :	2025-12-10

Manufacturer: Bluebird Inc.

Address: 3F, 115, Irwon-ro, Gangnam-gu, Seoul, Republic of Korea

1. Graphic reference

Length=118mm



2. Electrical performance test

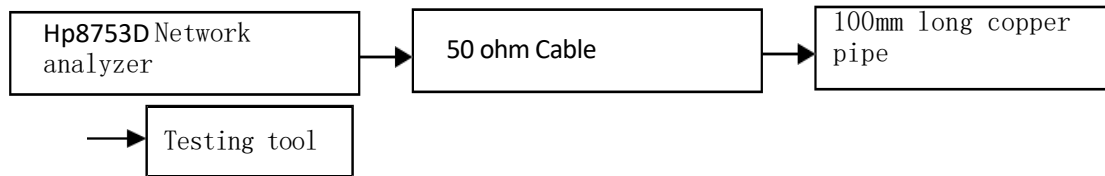
2.1 Specifications

Linse-01 antennas	Frequency (MHz)	VSWR	Frequency (MHz)	VSWR
Frequency band	Transmitting end		Receiving end	
BT/WIFI 2.4G	2400-2500	≤1.33		
6GWIFI	5150-7125	≤1.74		

3.VSWR Test

3.1 Test setup

VSWR testing device:



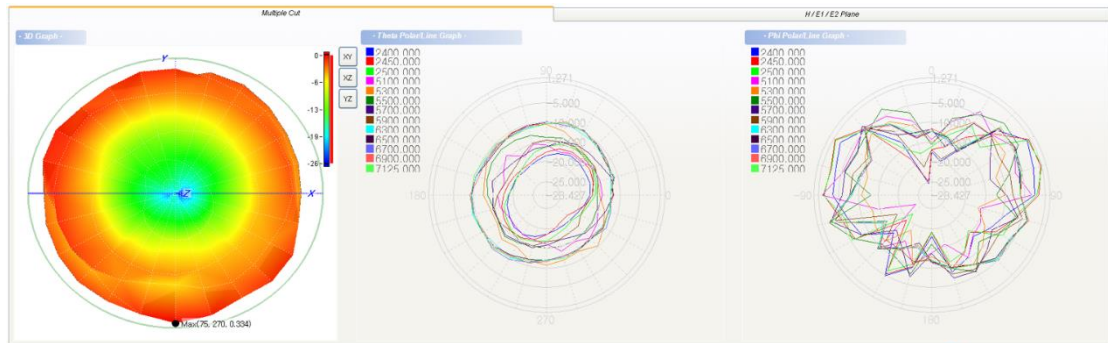
Test fixture processing: From the antenna 50 ohm test point on the PCB of the mobile phone with a hard cable to lead out the SMA-J connector, connected with the copper tube with a choke, and then connected to other devices in turn.

4.Test data

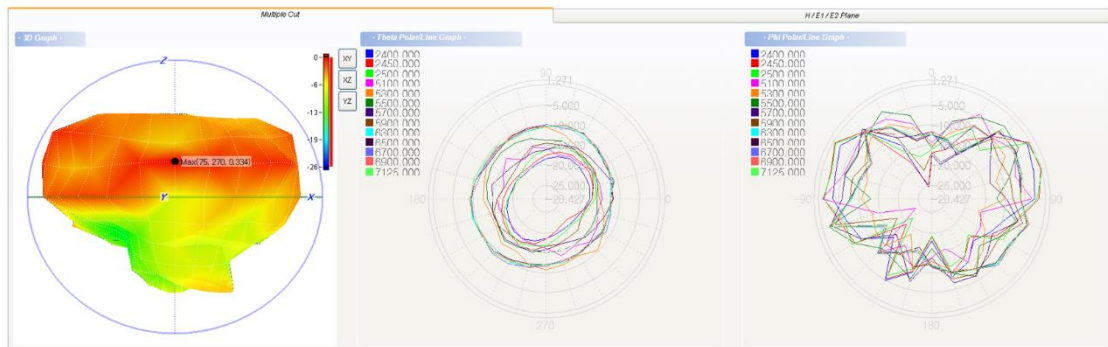
4.1 WIFI+BT

Frequency (MHz)	Gain (dBi)
2400.000	0.33
2450.000	1.27
2500.000	0.88
5100.000	-0.96
5300.000	-5.17
5500.000	-1.28
5700.000	-1.47
5900.000	-2.37
6300.000	-1.10
6500.000	-1.20
6700.000	-1.19
6900.000	-0.98
7125.000	-1.01

4.2 Directional diagram



KTM Technology Co., Ltd



KTM Technology Co., Ltd