



Confidential Information

Shenzhen Yesheng Communication Technology Co.,Ltd

Specification for built-in Antenna

YHLBLUE8LP71 Antenna

Product Confirmation

Client	BLU Products, Inc.	Band	BT/WIFI 2.4
FCC ID	YHLBLUE8LP71	Version	YST-V1.0-A
Item Number	YST-20221029-OS828-71 GWB antenna	Copies	5
Sample type	FPC Antenna	Colour	Black
RF Designer		Structural design	
Department Manager		Date	November 15, 2022

Client confirms:

Reach requirement of customer: ☐OK ☐NG

Producer: Ying Jia Bing

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1 Description of basic information

1.1 Description of machine information

Product Name:	QS828-71
WireLess type:	BT/WIFI/GPS Antenna
Band:	WIFI2.4G BT 2.4
Sample type:	FPC
Set Type	Tablet

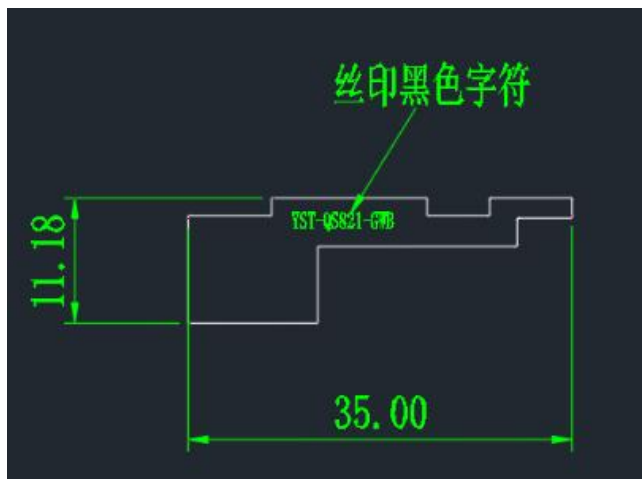
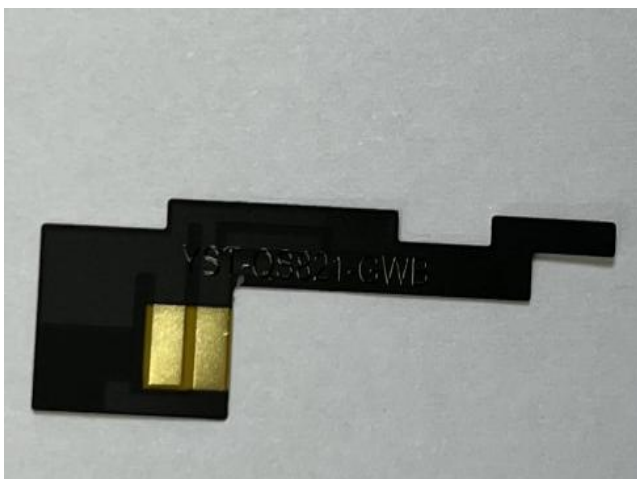
1.2 Machine photo

Please refer to 'Antenna Set up Photo' for details.

1.3 Antenna paste position map

Please refer to 'Antenna Set up Photo' for details.

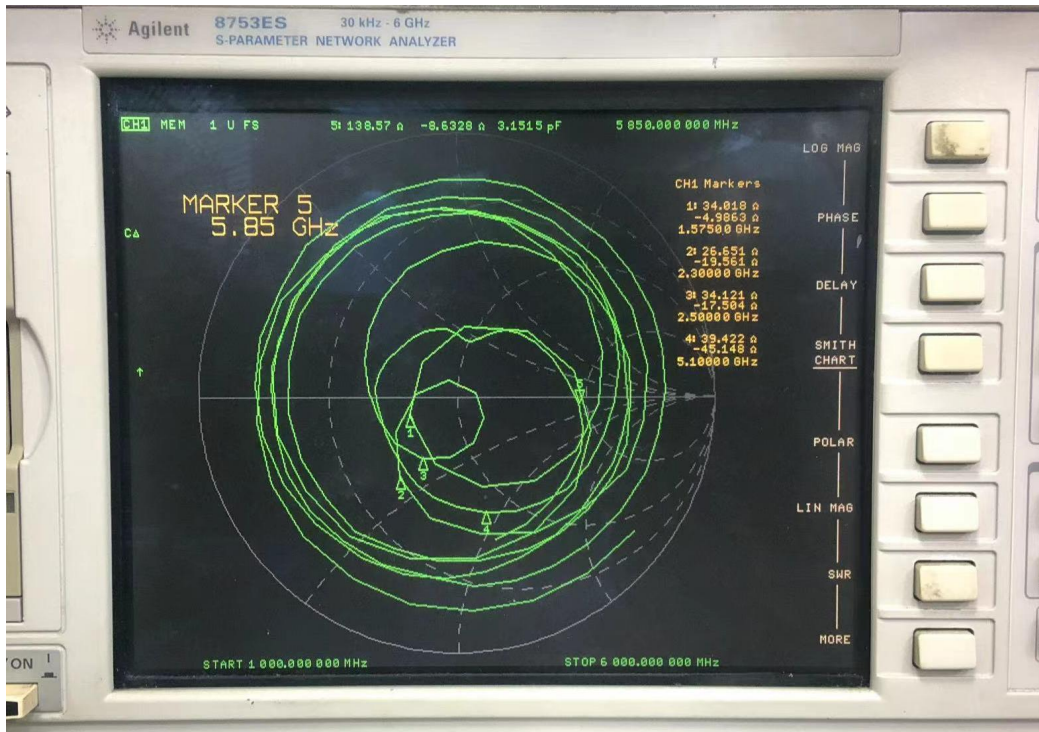
1.4 Antenna appearing diagram



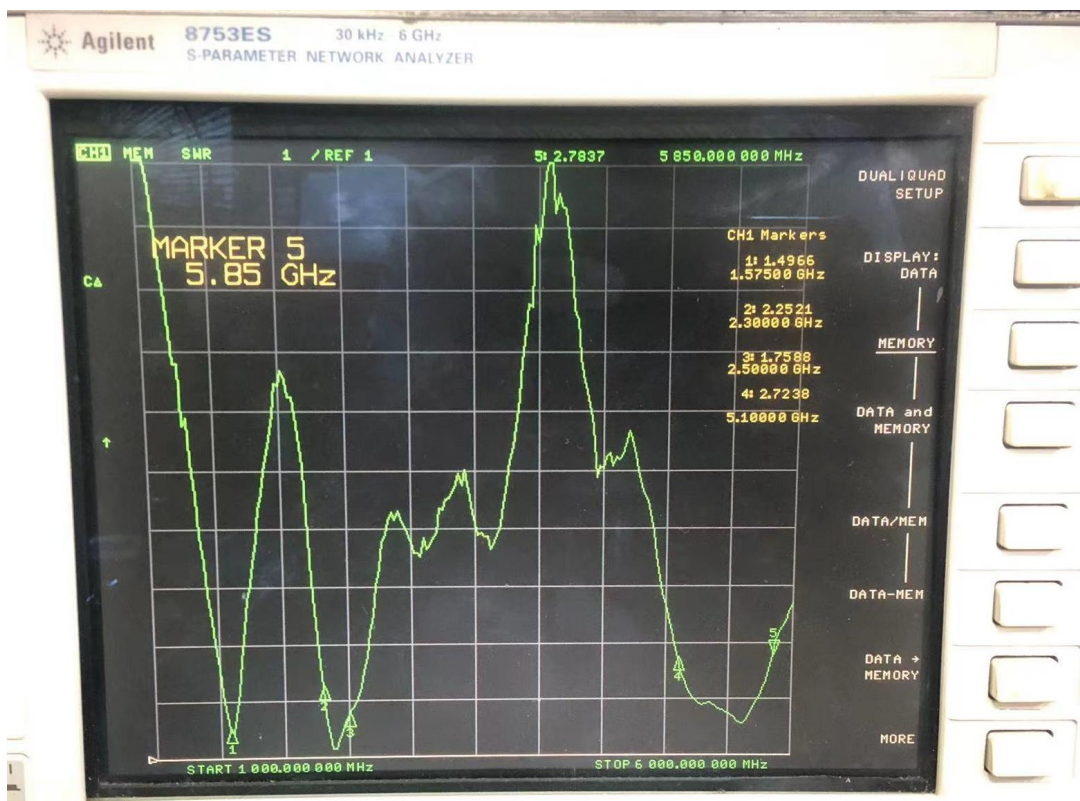
2 Electrical specifications

2.1 VSWR & Return Loss -3 in 1 (WIFI&BT&GPS) Antenna

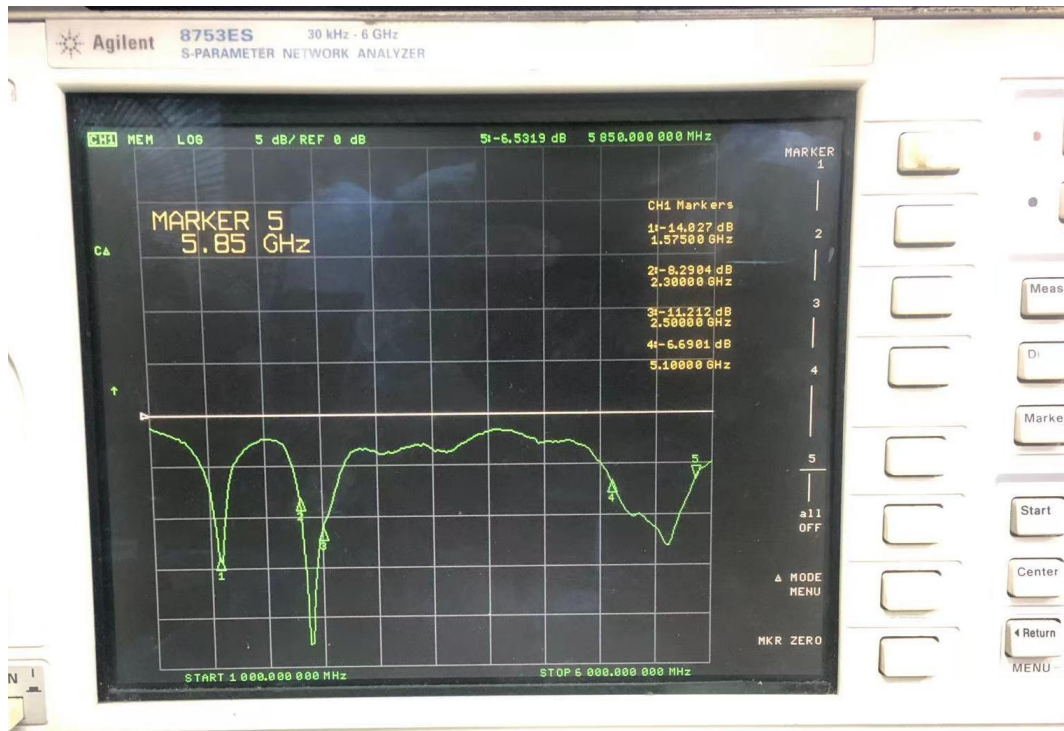
smith



SWR



LOG MAG



2.2 Gain test

	Band	Gain
2.4G BT	2400MHz-2500MHz	1.8dBi
2.4G WIFI	2400MHz-2500MHz	1.8dBi

2.3 Step-by-step instructions for gain testing

Please refer to 'Antenna Set up Photo' for details.

- 1、 Open computer and instrument , choose passive test include Gain by program-controlled computer
- 2、 Put EUT on turntable and connect EUT with RF cable
- 3、 Control computer desk and finish test
- 4、 Export and save test result

3 Test method for antenna samples

Test Picture

Please refer to 'Antenna Set up Photo' for details.

3.1 A description of the test procedure :

- 1、 Use 'start' key and 'stop' key to set up frequency range
- 2、 Calibrate test port of the instrument
- 3、 Connect EUT and instrument with RF cable, and finish VSWR&Return Loss&Smith chart
- 4、 Export and save test result