

SPECIFICATION FOR APPROVAL

CUS PART NO: GS1

PART NAME: Bluetooth module

Antenna Model: GS1S-ZP02

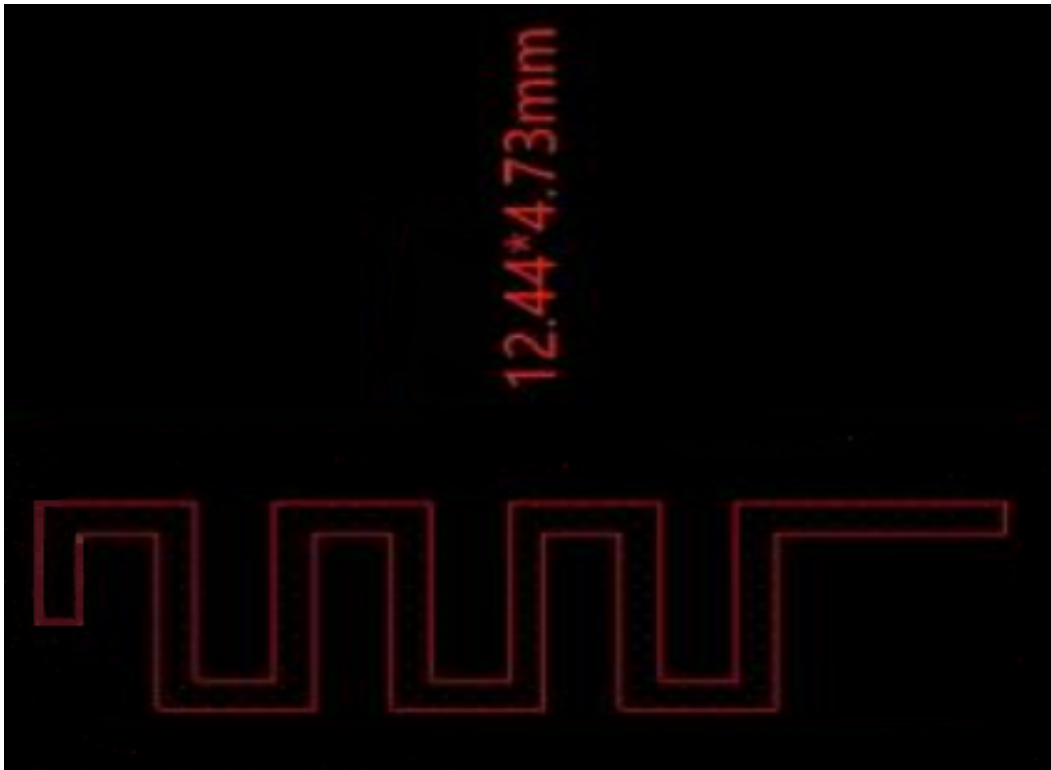
Catalogue

1. Performance parameter	- 3 -
2.Appearance	- 4 -
3.EUT setup photo of free space OTA testing	- 4 -
4.VSWR parameters	- 5 -
5.Passive test data:	- 5 -
6.Radiation pattern	- 6 -

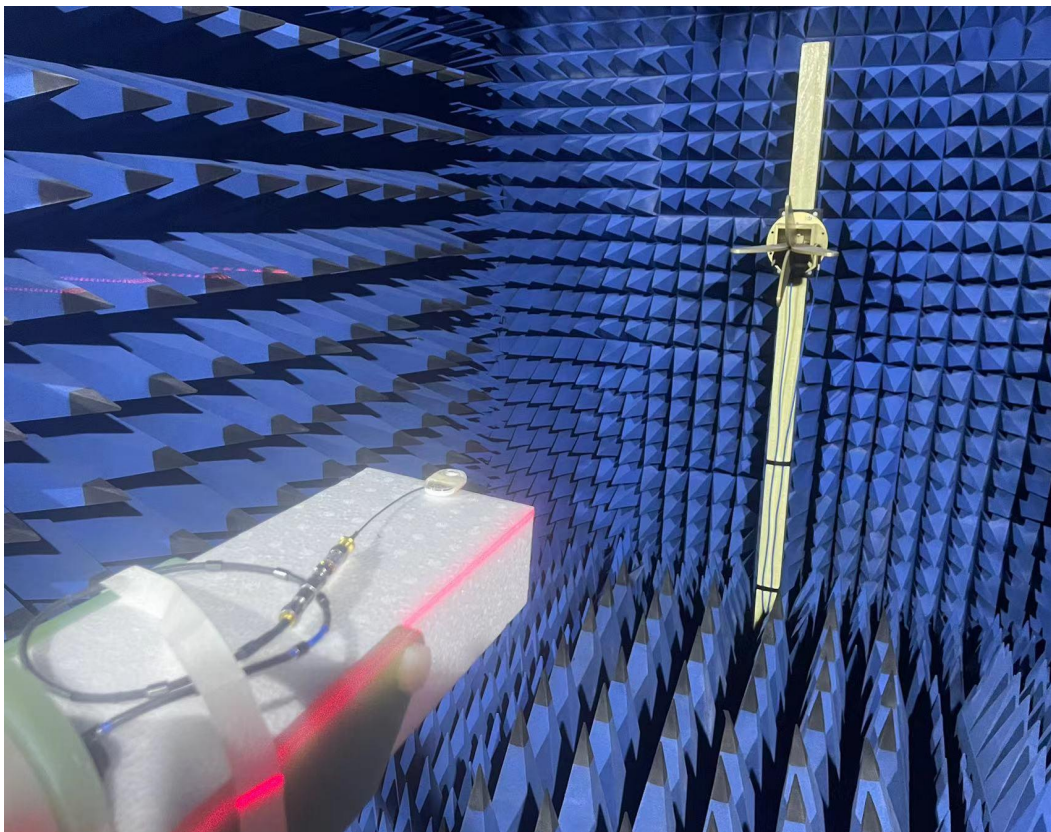
1. Performance parameter

Name	Bluetooth module
Model Type	PCB Antenna
Frenquency Range	2400-2500 MHz
SIZE	12.44 × 4.73 mm
Impedance	50 Ω
VSWR	< 2.64
Max Gain	-3.58 dBi
Antenna Manufacture	Shenzhen SiSensing Co., Ltd.
Antenna Manufacture Address	Room 901, Building No.3, Tinwe Business Park, No.6 Liufang Road, Xingdong Community, Xinan Street, Baoan District, 518101 Shenzhen, Guangdong, PEOPLE'S REPUBLIC OF CHINA

2.Appearance



3.EUT setup photo of free space OTA testing



4.VSWR parameters



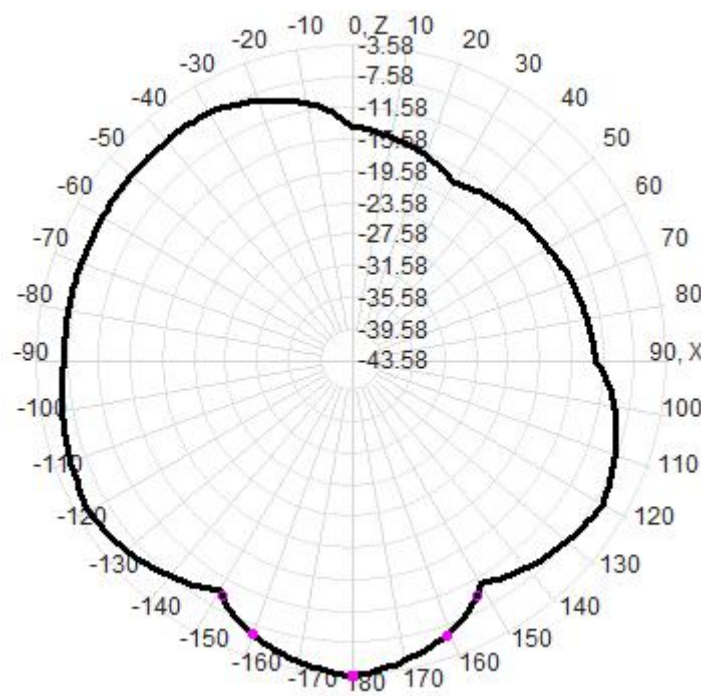
Frequency (MHz)	2400	2450	2500
VSWR	2.52	2.64	2.48

5.Passive test data:

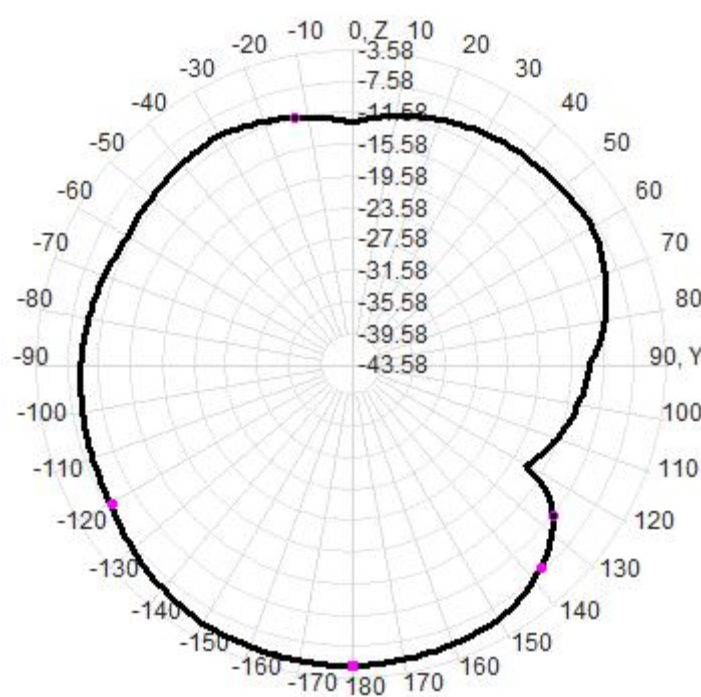
Frequency(MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain(dBi)	-3.62	-3.58	-3.88	-4.05	-4.40	-4.60	-4.60	-4.67	-4.60	-4.85	-4.80
Efficiency(%)	13.31	13.10	12.49	12.33	11.65	11.21	11.18	11.30	11.48	11.25	11.77

6.Radiation pattern

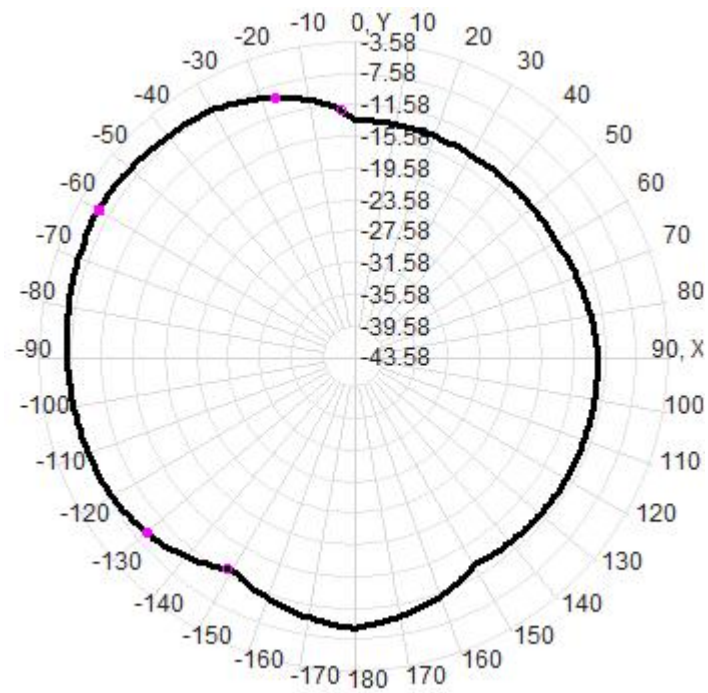
2410.0MHz Total(E1-XZ), Max= -3.58dBi



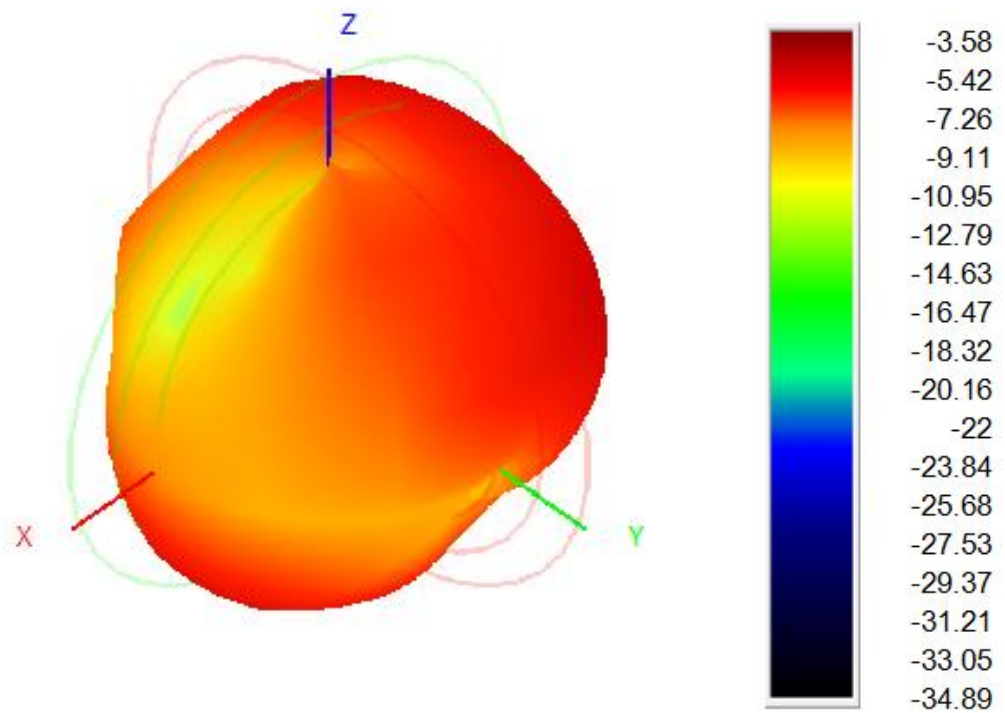
2410.0MHz Total(E2-YZ), Max= -5.37dBi



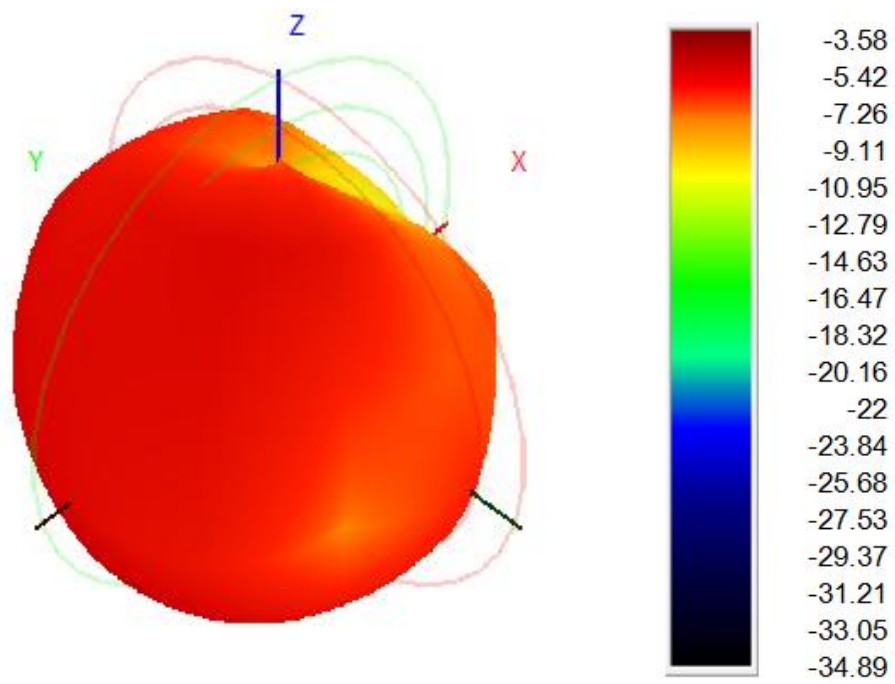
Total(H-XY), Max= -6.18dBi, CirD=7.95



2410.0MHz H+V, Eff: 13.1%



Back View



-----End-----