



深圳市英佳创电子科技有限公司

Shenzhen Yingjiachuang Electronic Technology Co., LTD

Product antenna commissioning report

Date: March 23, 2022

Created by: Huang Zhiwei

Reviewed by: Wu Longfei

Approved by: Xiao Han

Shenzhen company address: building A.C, guangming valley, hongyu guangming valley, no. 11, jiangyou magang, shiwei community, matantian office, guangming district, shenzhen

Hangzhou company address: 212, Building B, Dahua Jianghong International Innovation Park, No. 369, Internet of Things Street, Binjiang District, Hangzhou

Telephone: 0755-27810060

Fax : 0755-27810057

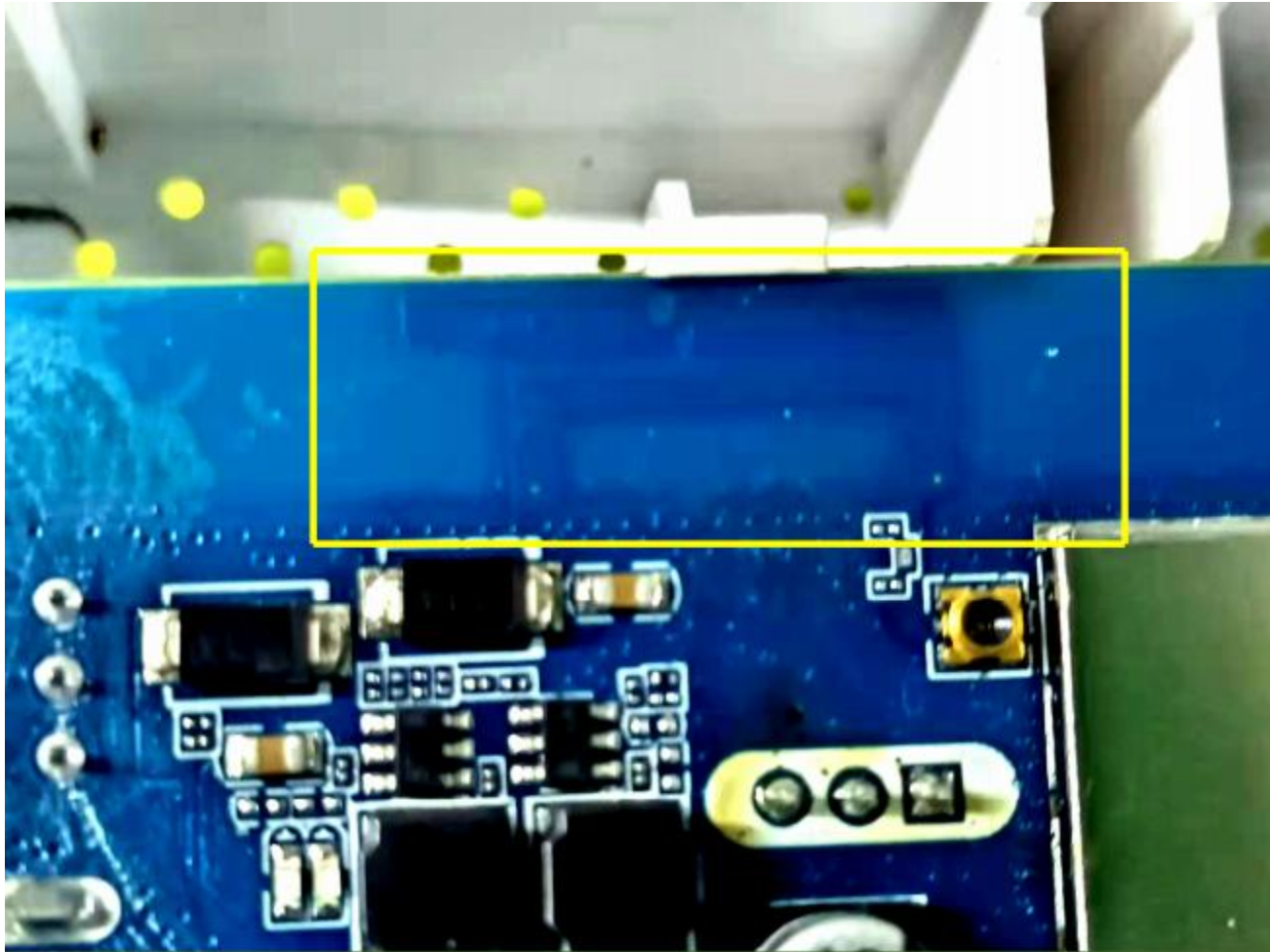
Company website: <http://www.szsyjc.com>

E-mail: yjc@szsyjc.com

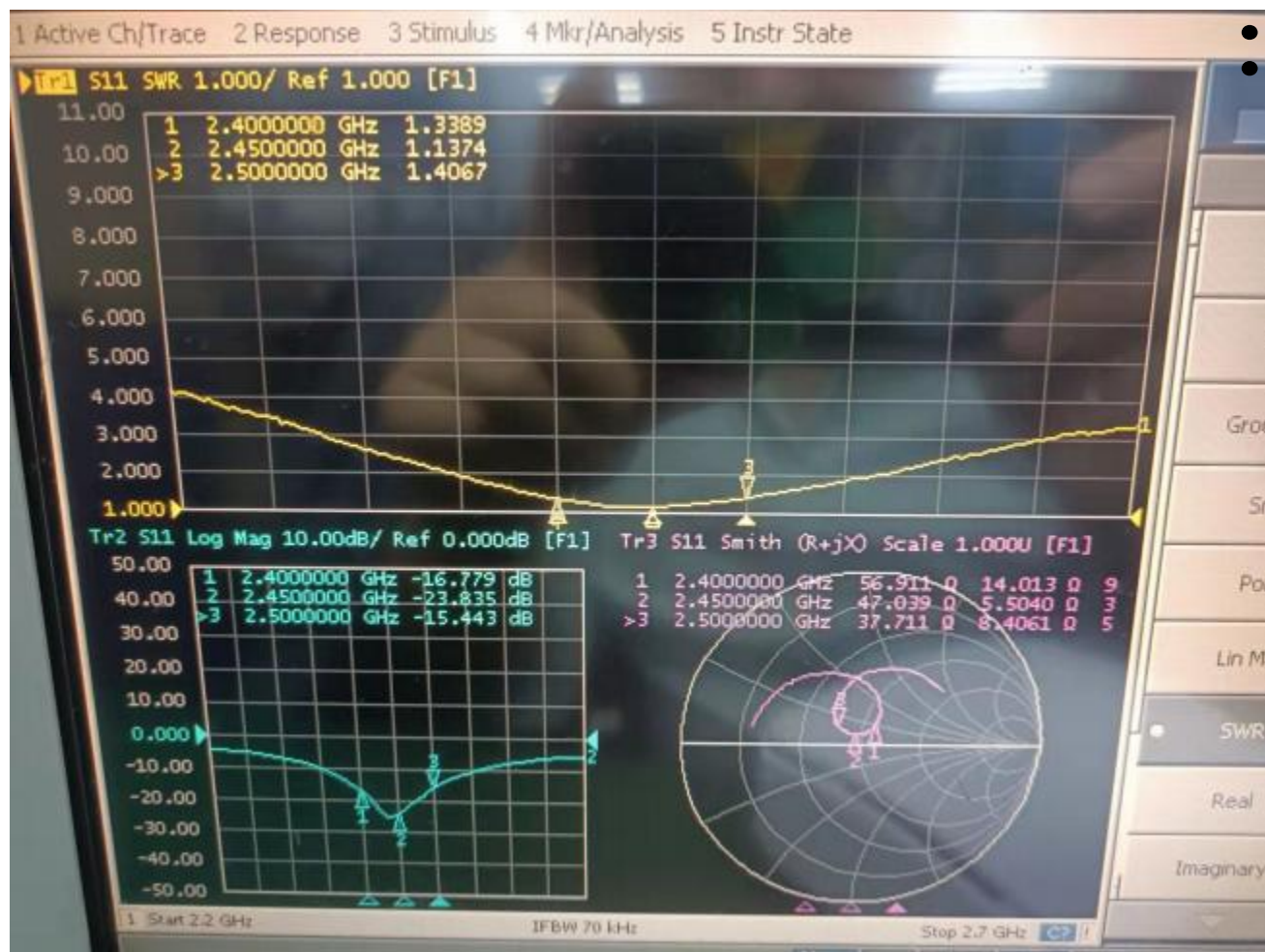
一. Project Overview

CustomerName	Project Name	Antenna implementation method
816	S20	2.4G onboard antenna
Working frequency band (MHz)		
2.4G	2400-2500 MHz	

Product physical drawing



Antenna division test diagram (S11)

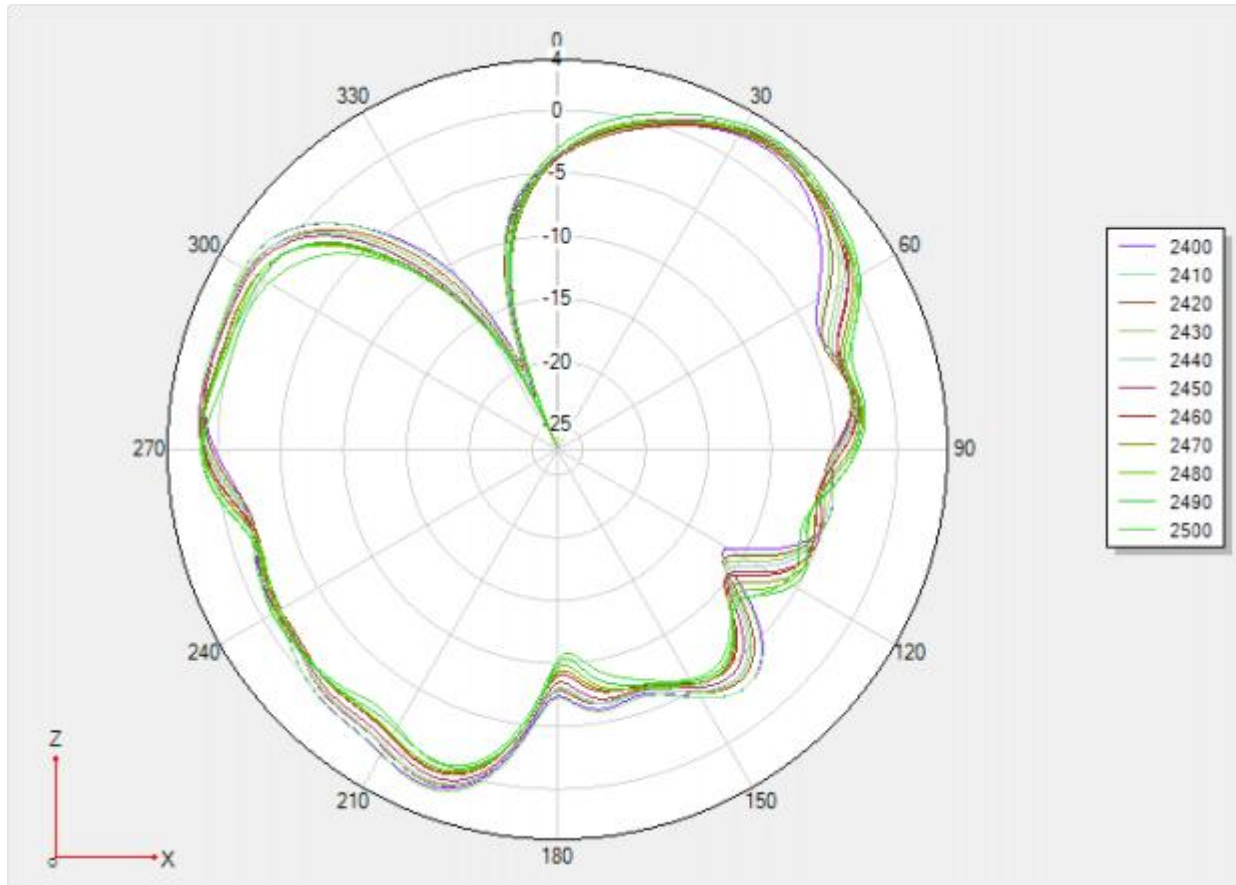


Antenna 2D and 3D test data

Frequency / MHz	Gain/ dB	Efficiency / %
2400	2.57	54.33
2410	2.9	54.2
2420	2.75	53.46
2430	2.92	54.08
2440	2.92	55.34
2450	3.37	54.83
2460	3.09	55.08
2470	3.37	55.98
2480	3.26	57.02
2490	3.88	54.95
2500	3.46	55.46

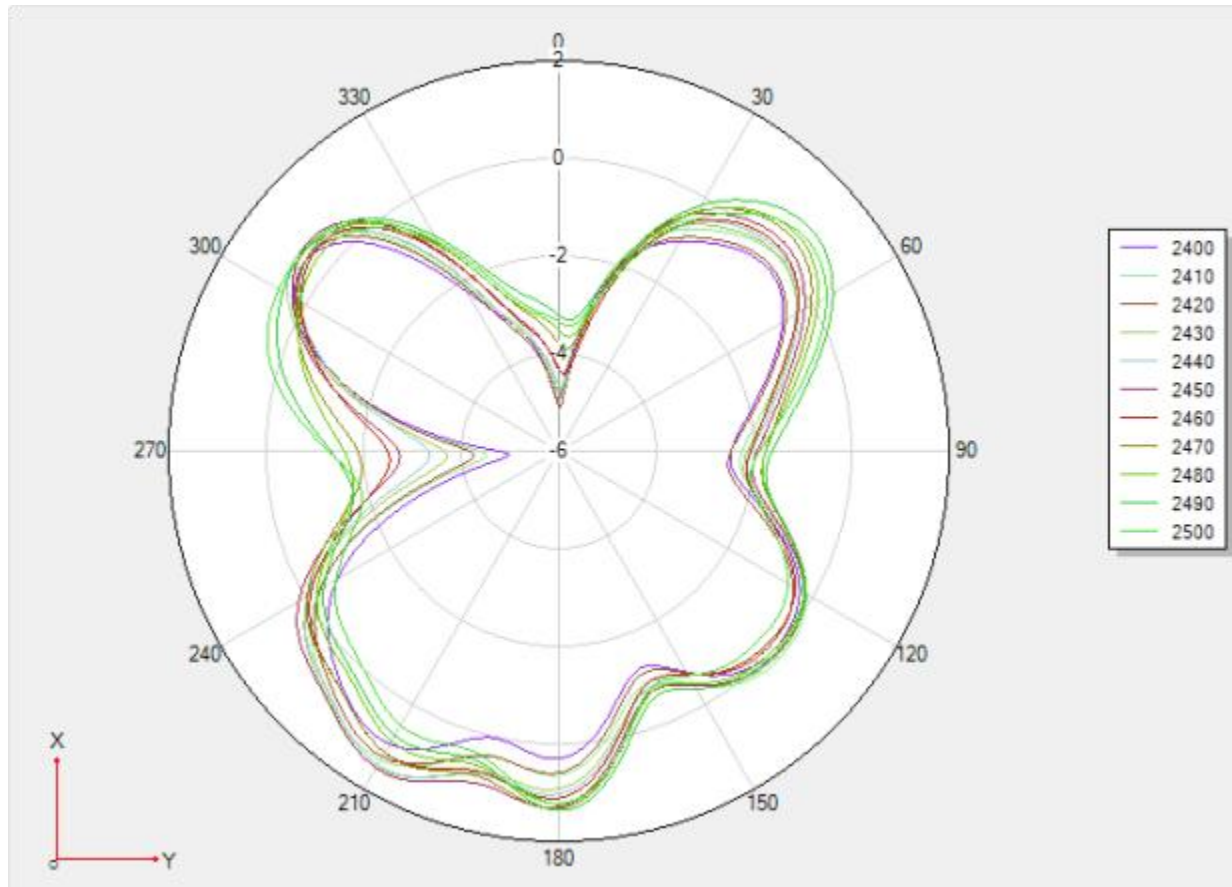
Antenna 2D and 3D test data

Phi 0 2Dfigure



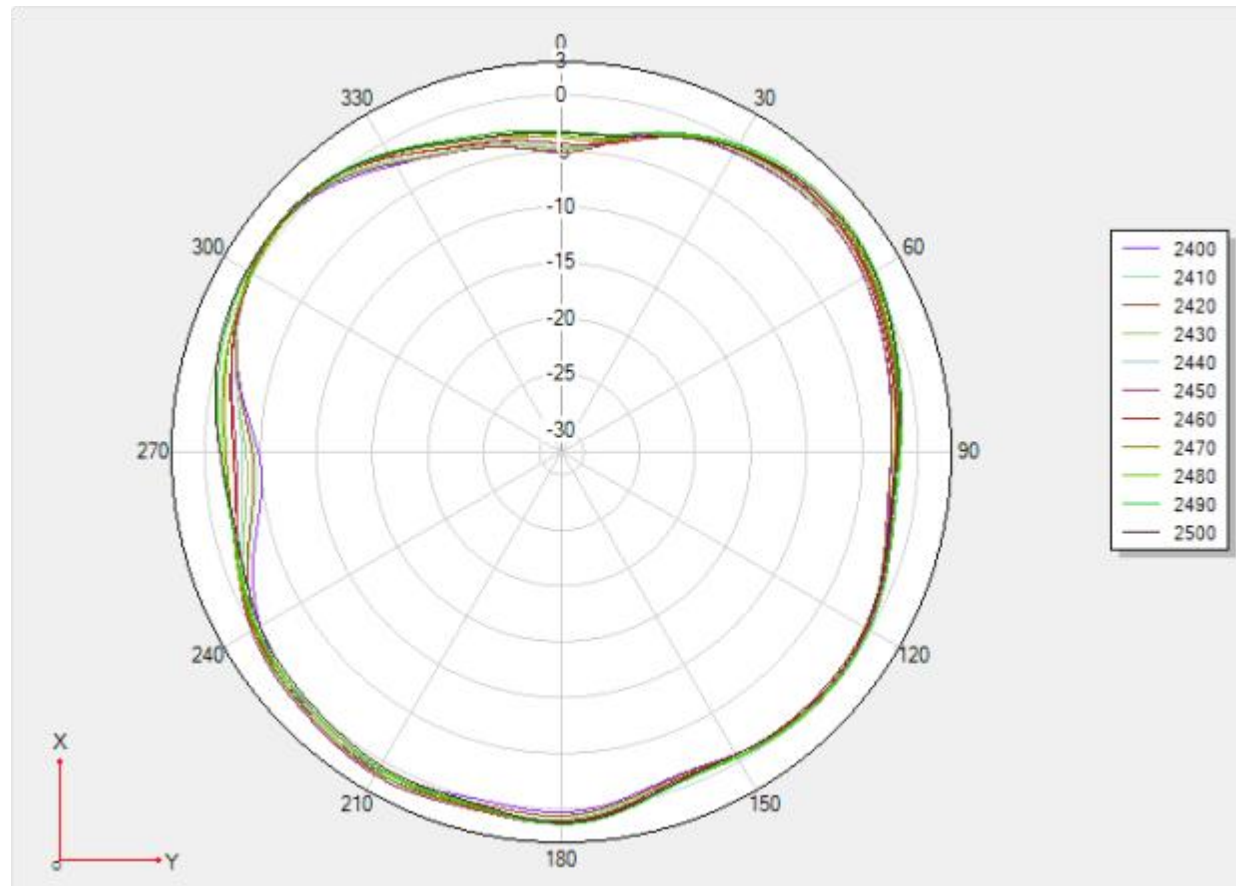
Antenna 2D and 3D test data

Phi 90 2Dfigure

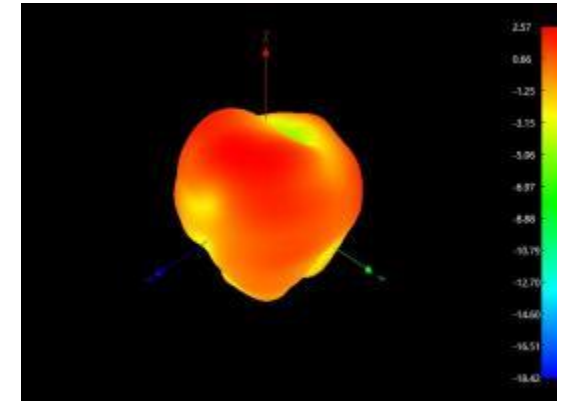
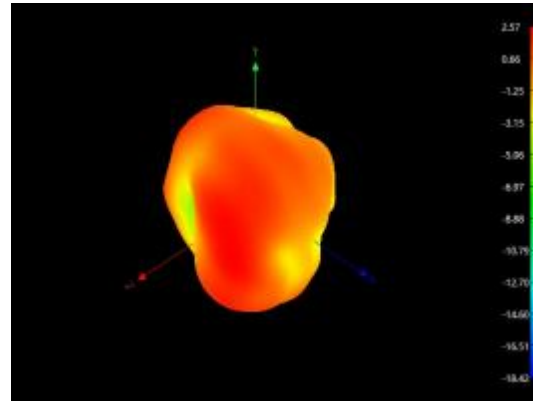
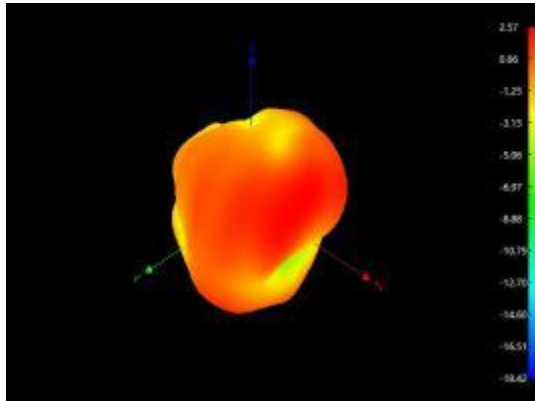


Antenna 2D and 3D test data

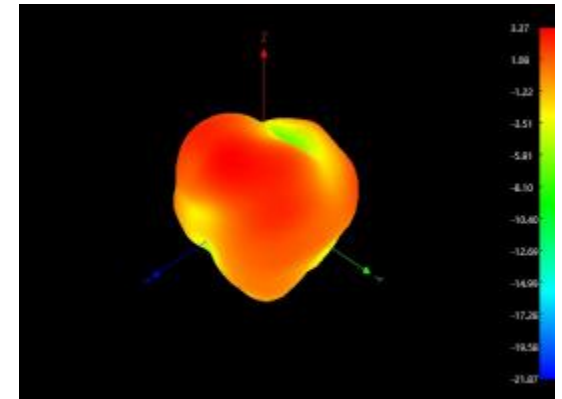
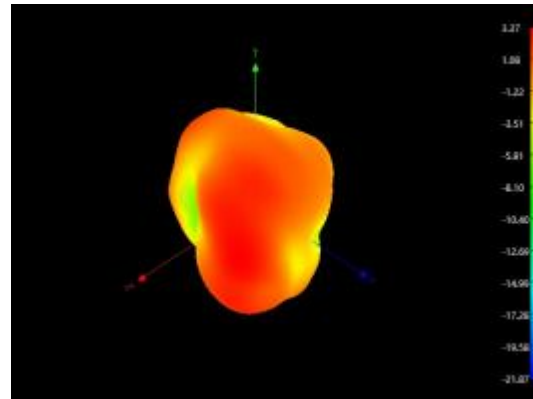
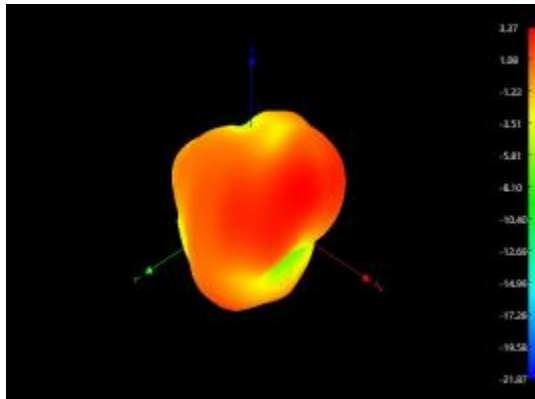
Theta 90 2Dfigure



Antenna 2D and 3D test data3D 2400



3D 2450



Antenna 2D and 3D test data

3D 2500

