



深圳市英佳创电子科技有限公司

Shenzhen Yingjia Chuang Electronic Technology Co., Ltd

Product antenna commissioning report

Time: On August 31, 2022

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一、Project Overview

Customer name	Project name	Antenna implementation
802	S1316A4128	On-board antenna
Work frequency band (MHz)		
2.4G	2400-2500 MHz	

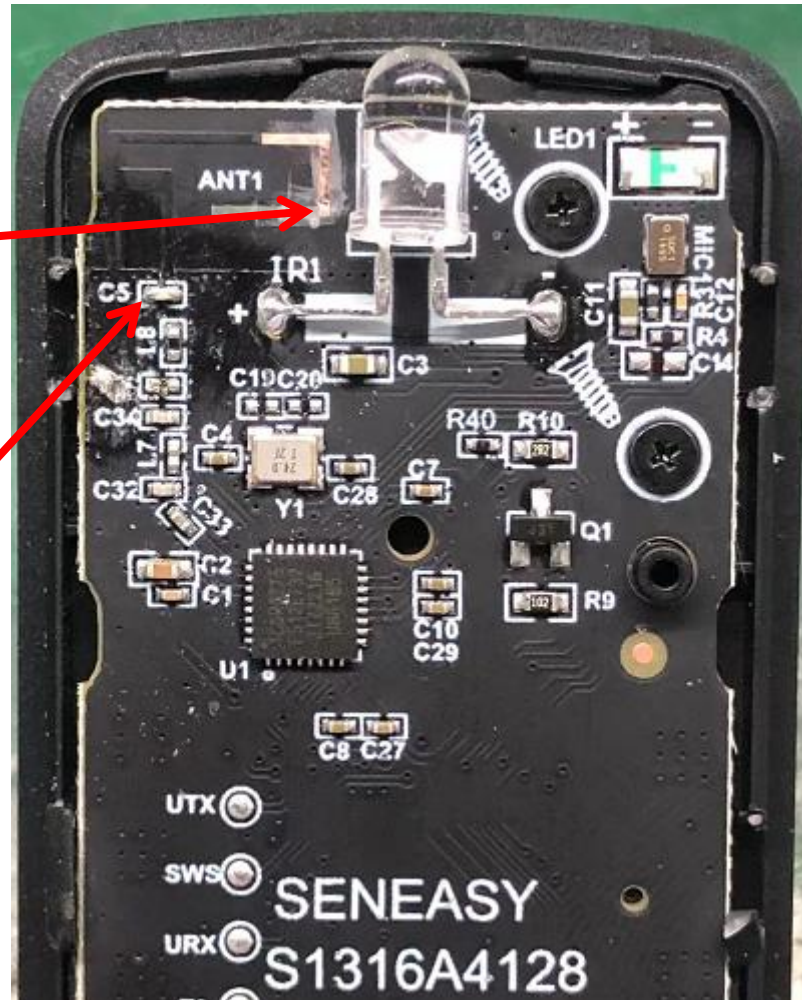
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Antenna change diagram:

Cut this corner off

C5 position and a 1PF capacitor



Antenna S11 test diagram:

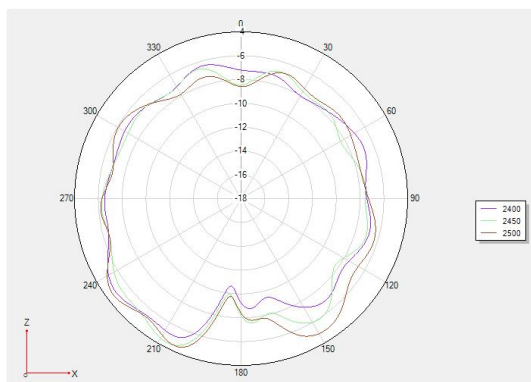


2.4G passive test data for the new antenna:

Frequency (MHz)	Efficiency (%)	Gain. (dBi)
2400MHz	34.58	1.06
2410MHz	37.92	1.89
2420MHz	34.77	1.28
2430MHz	35.34	1.44
2440MHz	34.18	1.09
2450MHz	35.2	1.71
2460MHz	35.04	1.45
2470MHz	37.54	1.67
2480MHz	39.34	2.06
2490MHz	40.79	2.43
2500MHz	40.55	2.41

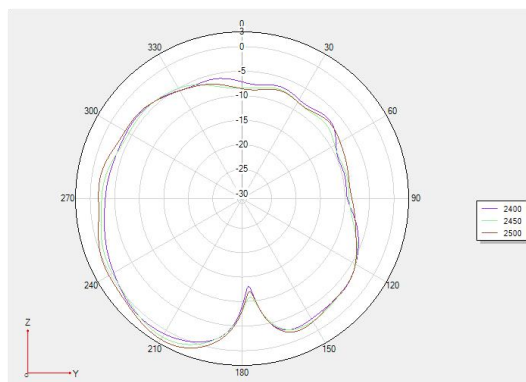
New antenna test 2D3D diagram:

Phi02D graph



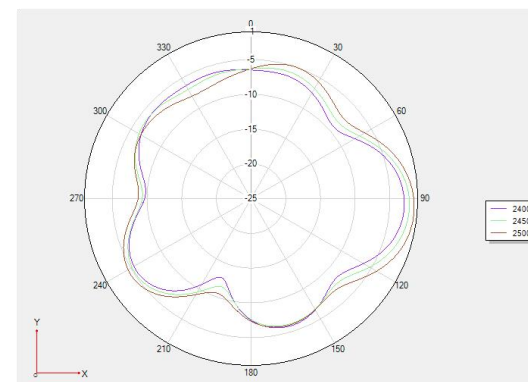
2400

Phi902D graph



2450

Theta902D graph



2500

