



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: September 23, 2022

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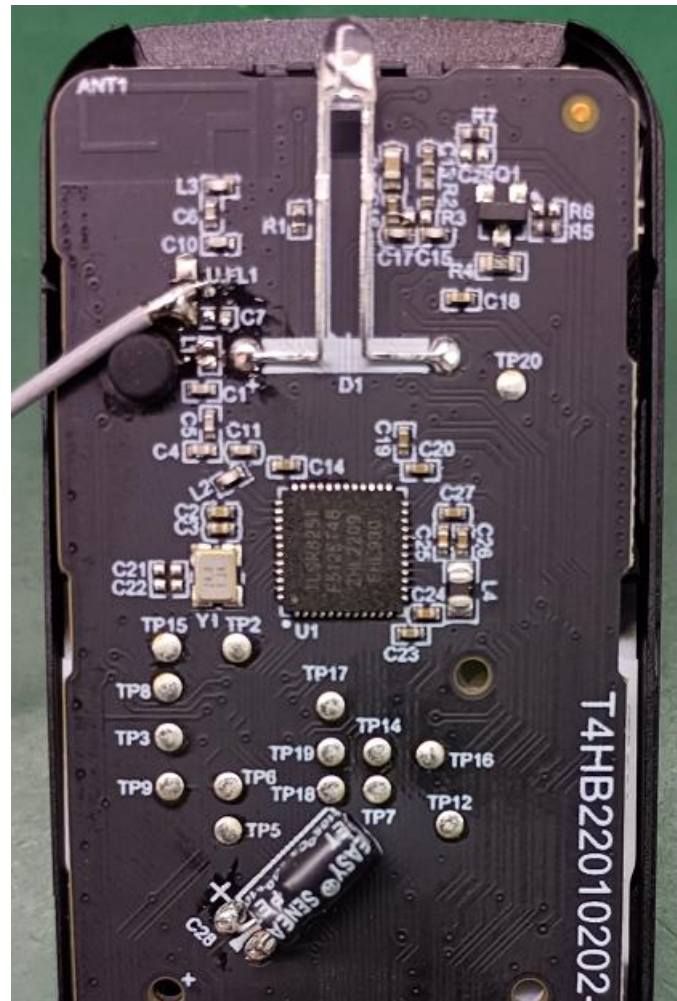
一、Project Overview

Customer name	Project name	Antenna implementation
802	SRC-3413	On-board antenna
Work frequency band (MHz)		
2.4G	2400-2500 MHz	

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Antenna change diagram:

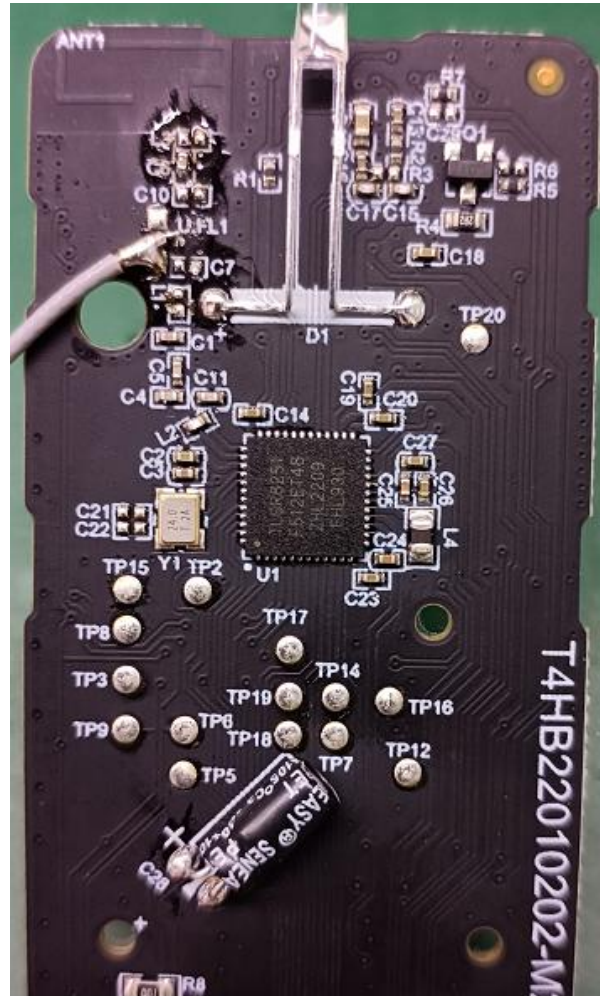


Original antenna network division test diagram:

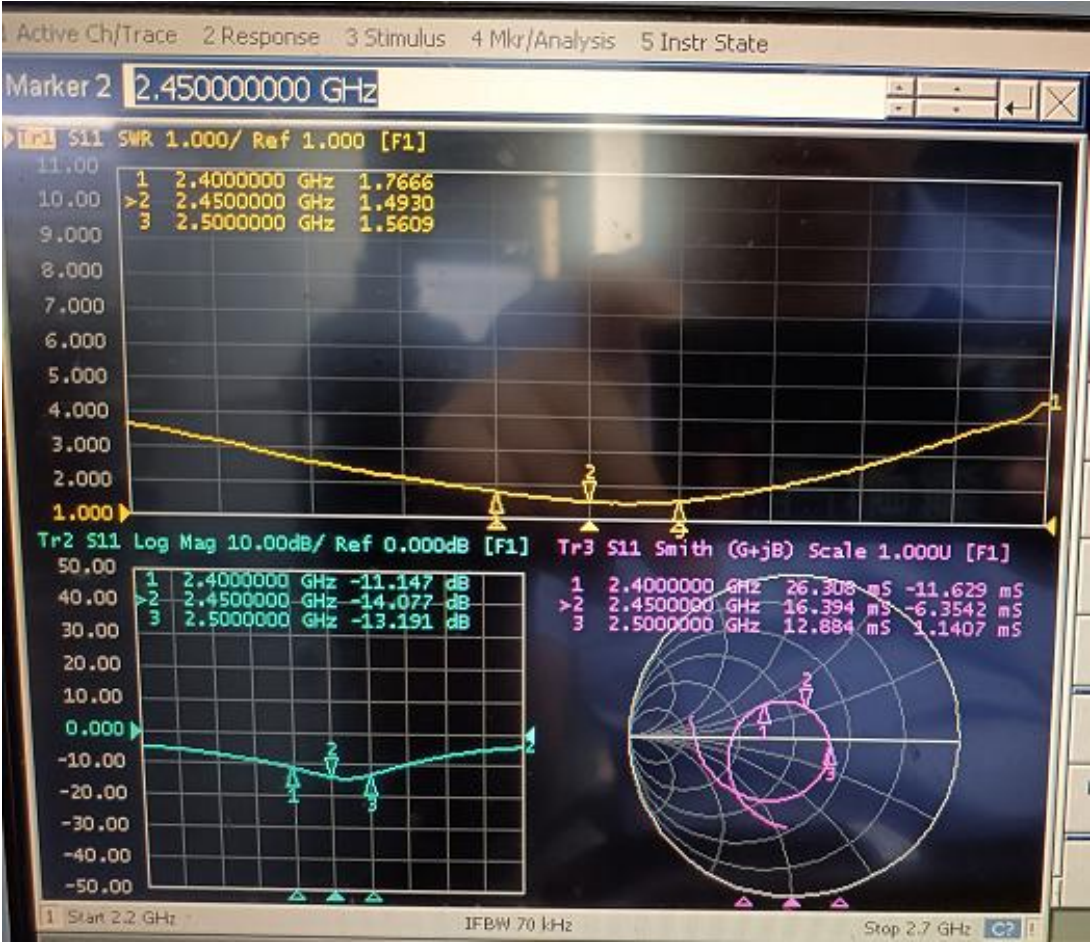


Antenna change diagram:

A 2PF capacitor is strung at position C6



Antenna S11 test diagram:

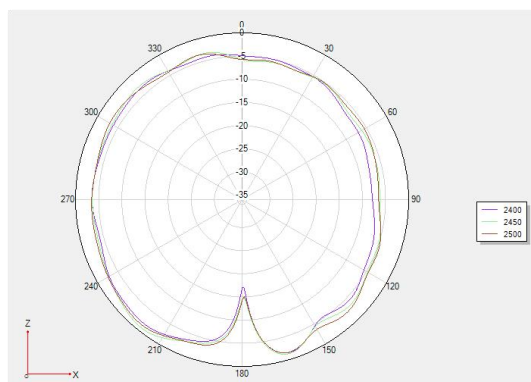


2.4G passive test data for the new antenna:

Frequency (MHz)	Efficiency (%)	Gain. (dBi)
2400MHz	45.19	1.47
2410MHz	47.21	1.67
2420MHz	48.98	2.12
2430MHz	46.88	1.63
2440MHz	47.1	1.6
2450MHz	47.42	1.48
2460MHz	50.35	1.96
2470MHz	46.56	1.39
2480MHz	48.53	1.86
2490MHz	46.77	1.54
2500MHz	46.88	1.49

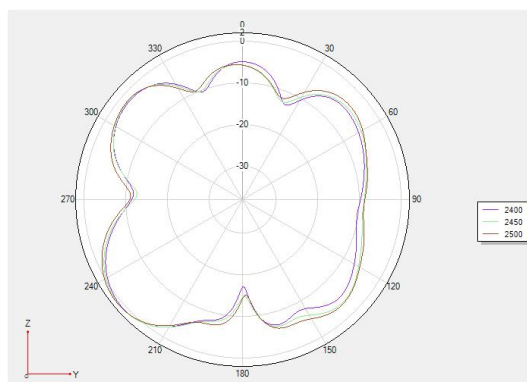
New antenna test 2D3D diagram:

Phi02D graph



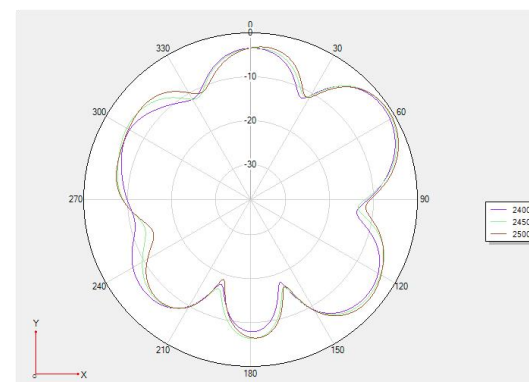
2400

Phi902D graph



2450

Theta902D graph



2500

