



RTANT

Dongguan Ante Communication Co., LTD

Rtant Communications Co., Ltd

Antenna debugging & test report

Antenna Commissioning & Test Report

Client: Three Craftsmen

Project: N4S

Antenna engineer: Huang Shupeng

Date: 26 March 2024

Version: V1.0

Project leader: Jiang Lei

15899911229



一. Project Adjust Profile

二. Laboratory Test Environment and Equipment

三. Antenna matching circuit

四. Darkroom coordinate marking

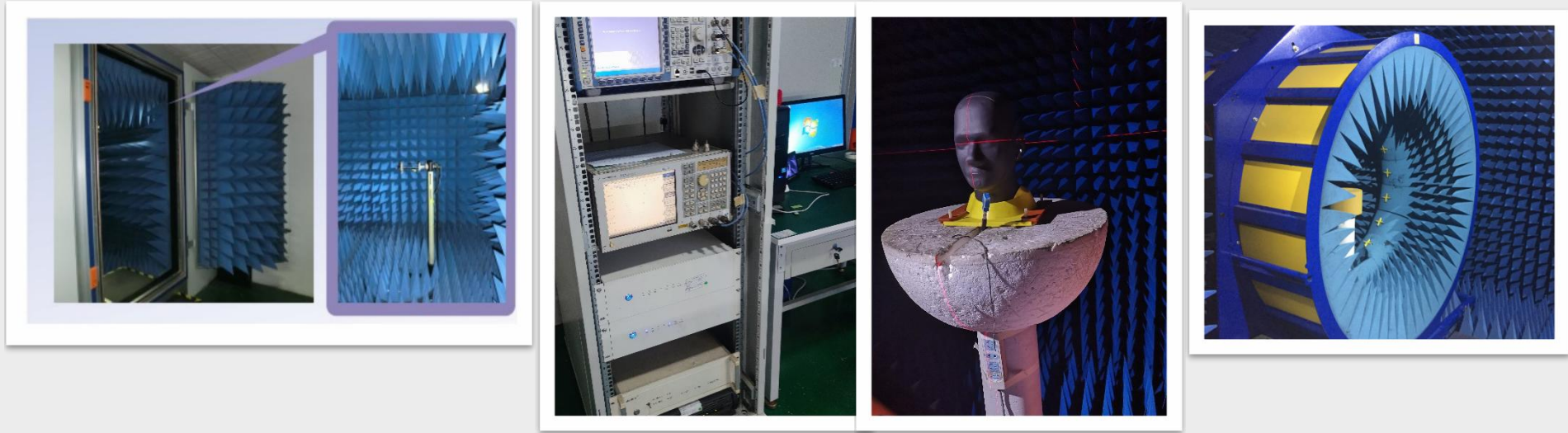
五. Antenna Location

六. Passive Data

七. Contact Info



Machin e type				
Antenna system And frequency band informa- tion	Antenna sy- stem	Band i nformation	Antenna type	Make ch- anges to the match
	WIFI	2400-2500MHz/5150-5850MHz	FPC	Deny
Antenna desc- ription	WI FI antenna 0.81 black L =43mm second generation terminals			
Antenna mate- rial				

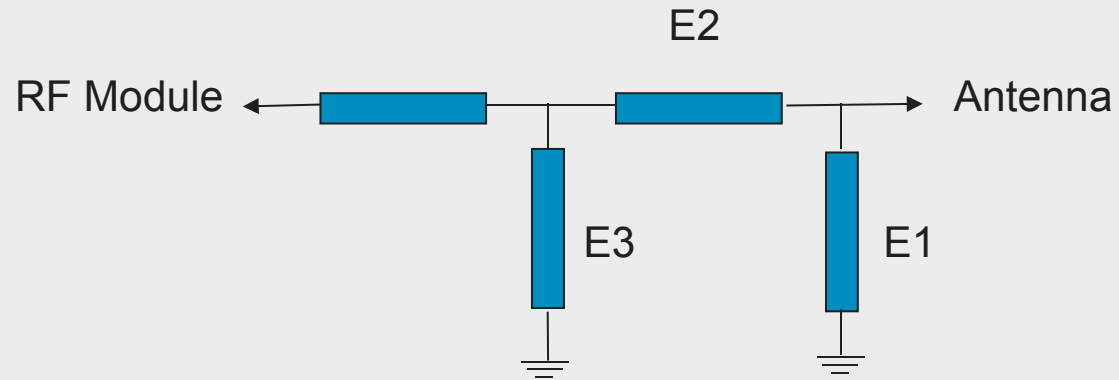


Note: The equipment used for commissioning and testing of this project is marked in blue



RTANT

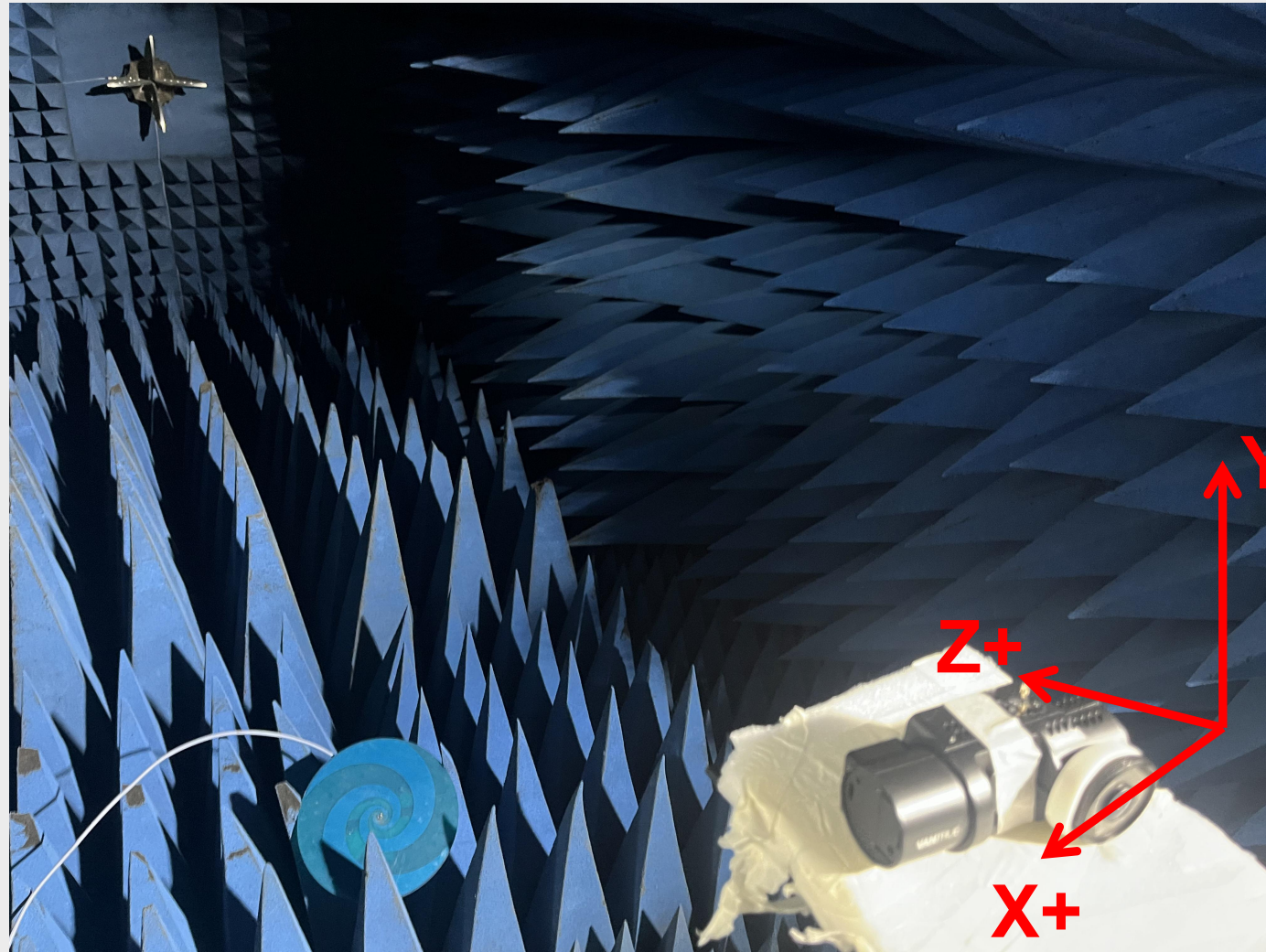
Test item	Testing facility
S11、 S12 、 VSWR 、 LOSS	Network analyzers E5071B, E8753D
Efficiency、 Gain、 3D Radiation Pattern	Satimo SG16 Darkroom, Taiwan's top 10 darkrooms 7*4*3, E5071B, second generation head
TRP、 TIS	Satimo SG16 Darkroom, Taiwan's top 10 darkrooms, CMW500, second generation head



	Element	Value
	E1	No change
	E2	No changes were made
	E3	No change



IV. Dark room coordinates



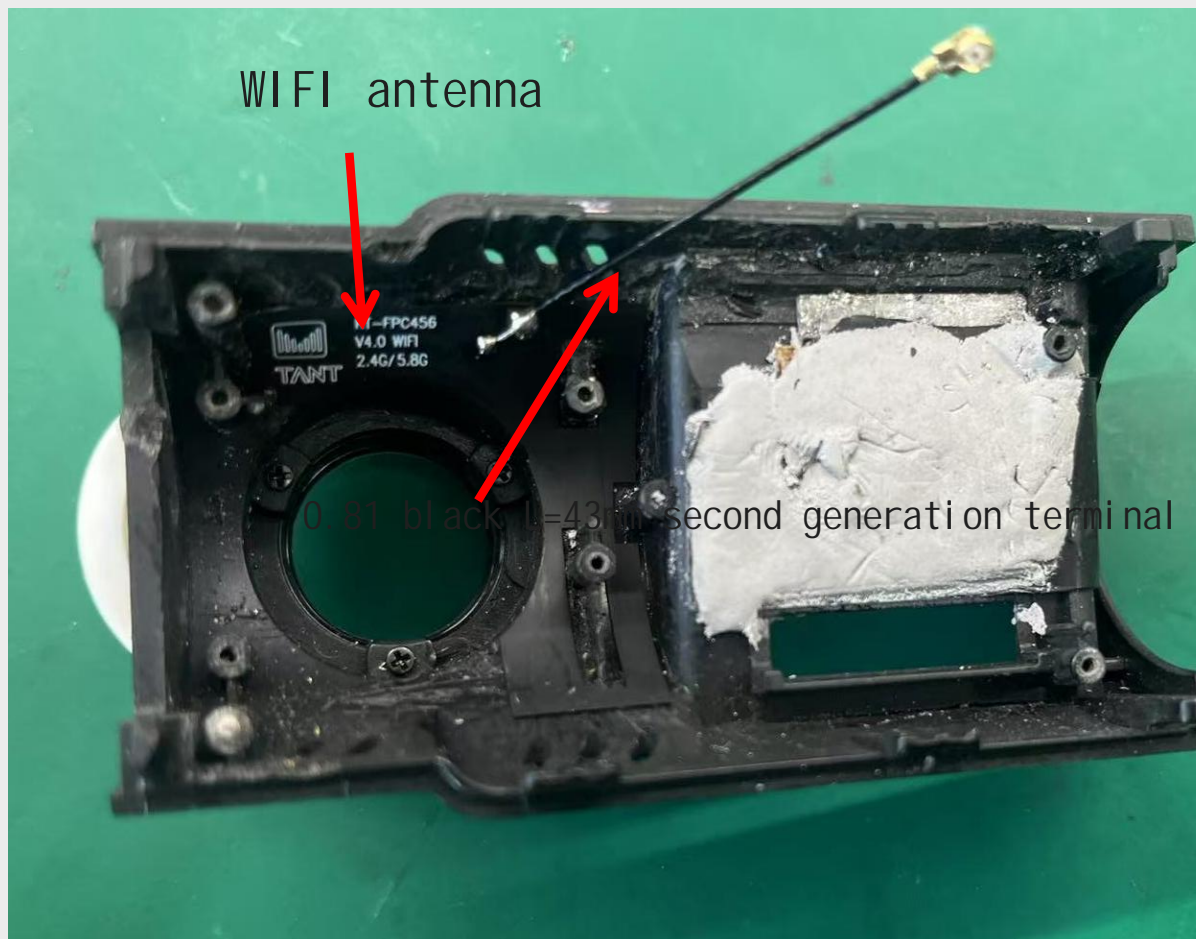


Place the antenna in position

V. Antenna Location



RTANT



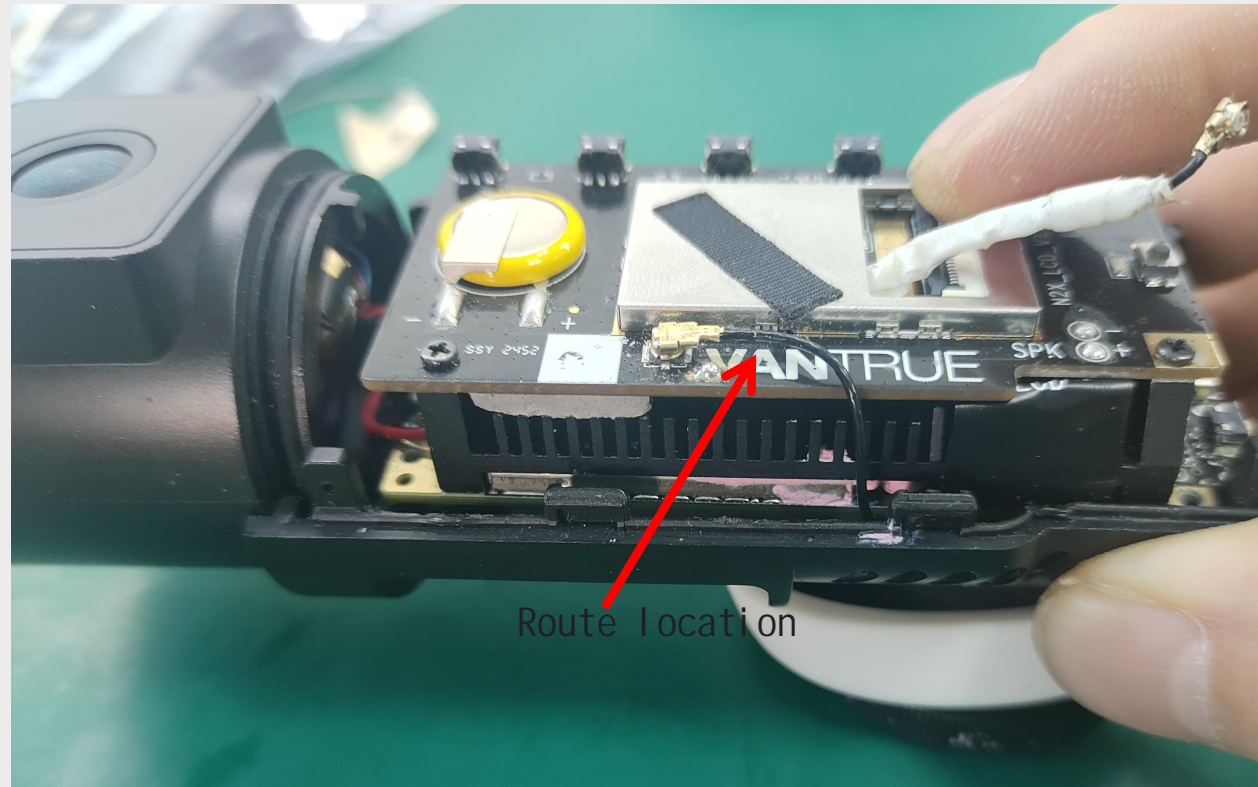


Place the antenna in position

V. Antenna Location



RTANT



Route location

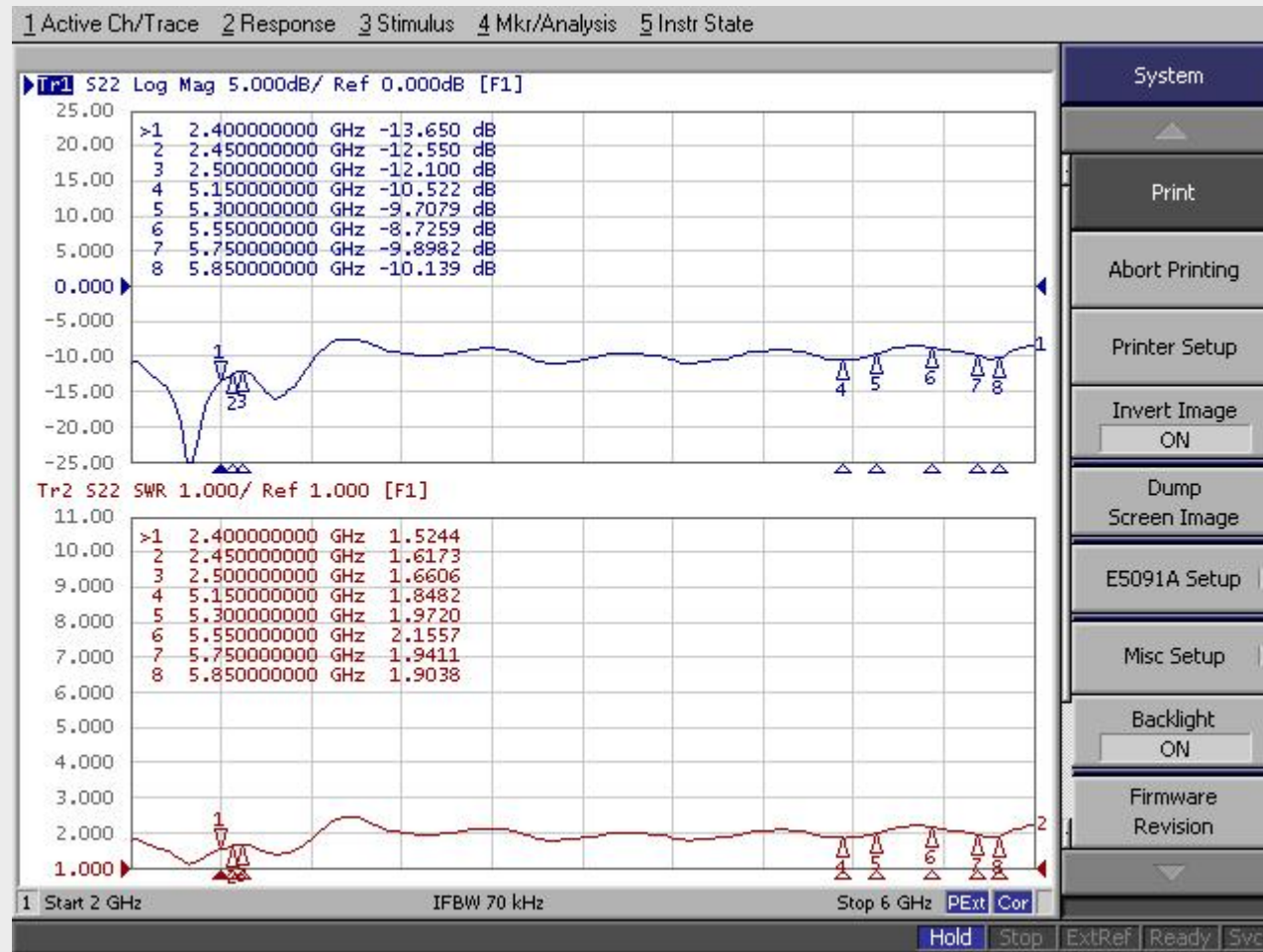
VI. Passive data

R-LOSS&VSWR(WIFI)



RTANT

No source data



Effi / Gain(WIFI)



RTANT

WIFI

Frequency	2.40 GHz	2.45 GHz	2.50 GHz	5.15 GHz	5.5GHz	5.85GHz
Efficiency (%)	41.34	41.57	40.87	42.23	41.21	41.65
Gain (dBi)	1.14	1.13	1.09	1.21	1.31	1.39

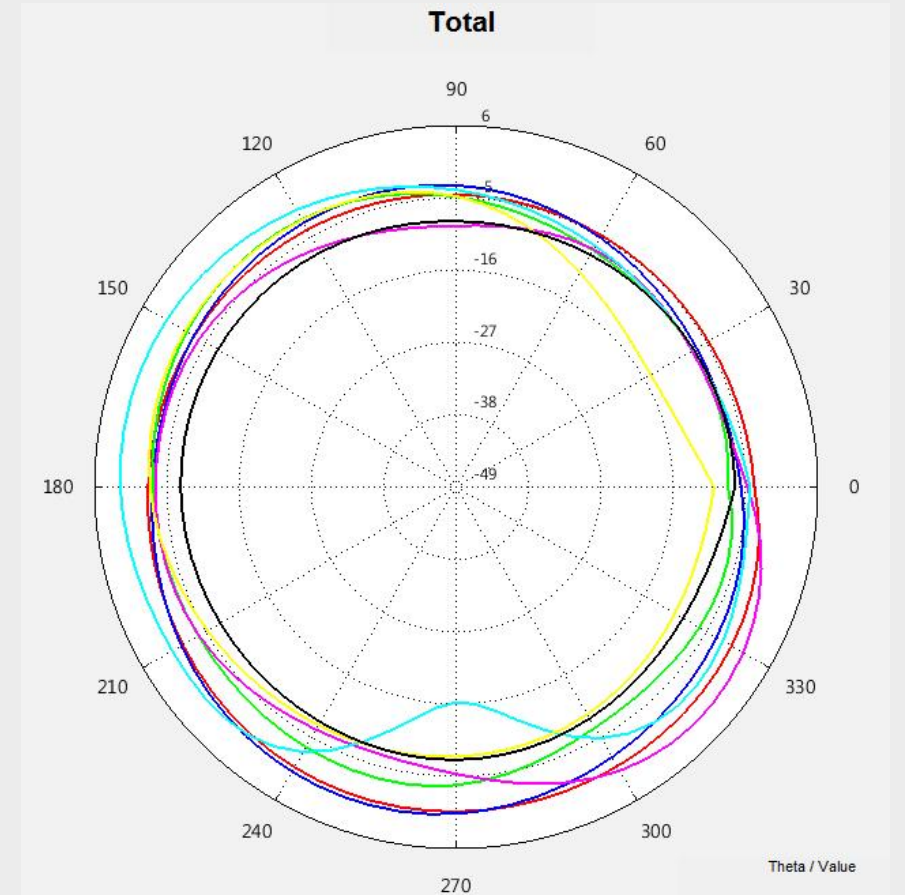
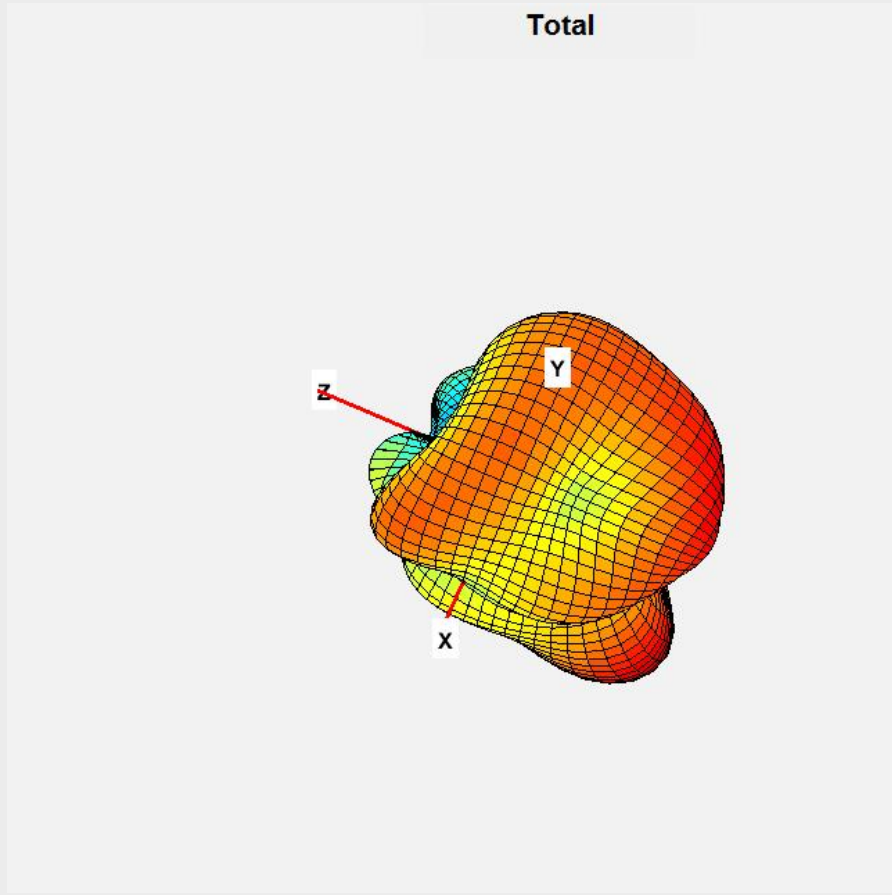


No source data

Directional map WIFI 2450 MHz



RTANT



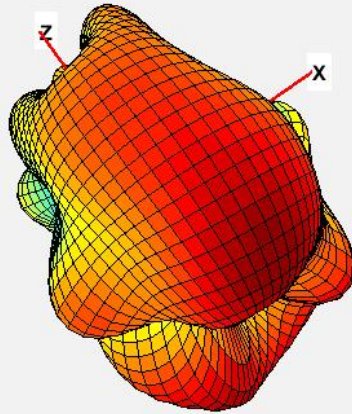
Directional map WIFI 5500 MHz



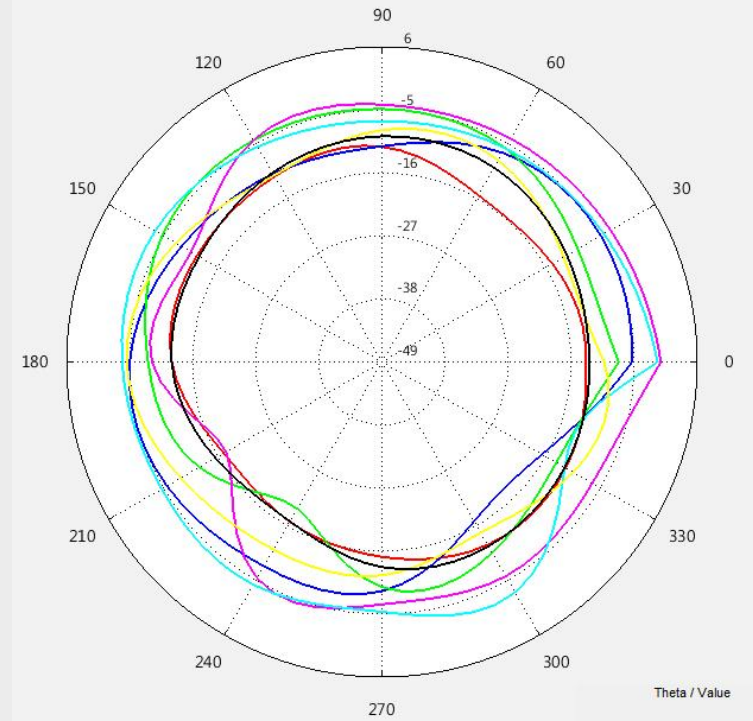
RTANT

No source data

Total



Total



contact way



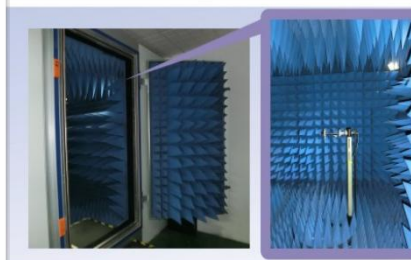
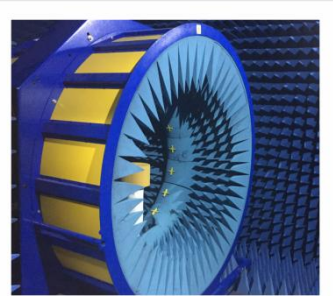
found
11 ye-
ars

concentrate
one's attention
on
wi rel ess

desi gn
research and
devel opment



make



Learn more about <http://www.rtant.com>
Contact information-Jiang Lei
Mob: 15899911229 Email: jl@rtant.com

Dongguan (Houjie) -Shanghai (Pudong New Area)



RTANT

Thank you for your trust in Rtant