



RTANT

Dongguan Ante Communication Co., LTD

Rtant Communications Co., Ltd

Antenna debugging & test report

Antenna Commissioning & Test Report

Client: Three Craftsmen

Project: N5

Antenna engineer: Li Hunan

Date: March 26, 2024

Version: V1.0

Project leader: Jiang Lei

15899911229



eye
record



RTANT

一. Project Adjust Profile

二. Laboratory Environment & Equipment

三. Antenna matching circuit

四. Darkroom coordinate marking

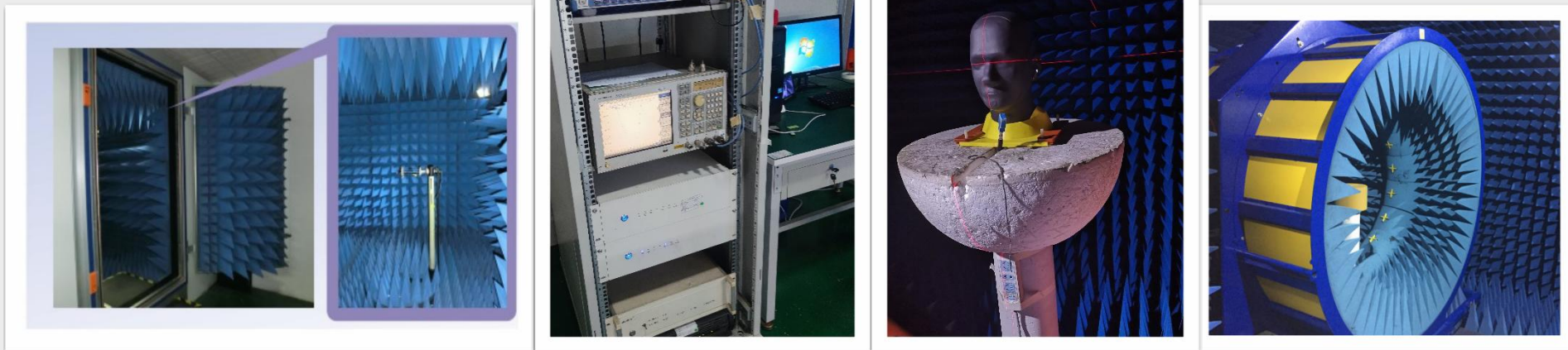
五. Antenna Location

六. Passive Data

七. Contact Info



Mach ine type				
Antenna system And frequency band informa- tion	Antenna sy- stem	Band information	Antenna type	Make ch- anges to the match
	WIFI	2400-2500MHz/5150-5850MHz	FPC	Deny
Antenna desc- ription	WI FI antenna ϕ0.81 black L = 50mm four-generation terminals & terminals facing up			
Antenna mate- rial				

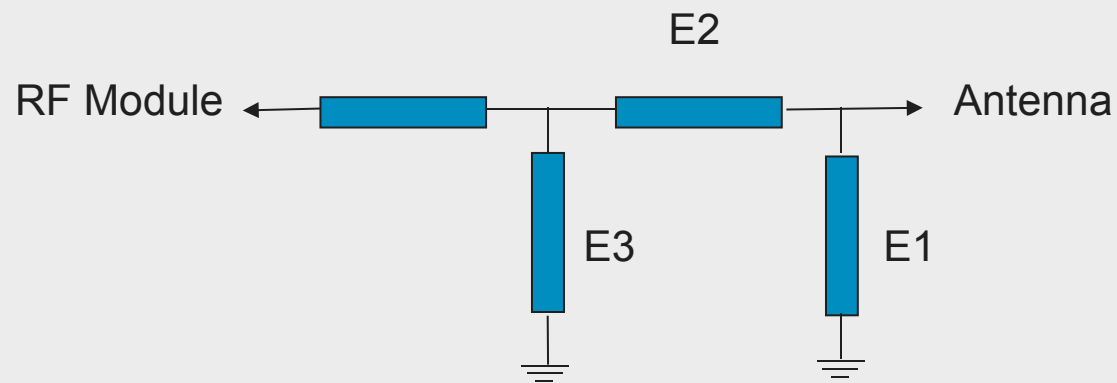
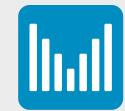


Note: The equipment used for commissioning and testing of this project is marked in blue



RTANT

Test item	Testing facility
S11、 S12 、 VSWR 、 LOSS	Network analyzers E5071B, E8753D
Efficiency、 Gain、 3D Radiation Pattern	Satimo SG16 Darkroom, Taiwan's top ten 7*4*3 darkrooms, E5071 B, second generation head
TRP、 TIS	Satimo SG16 Darkroom, Taiwan's top 10 darkrooms, CMW500, second generation head



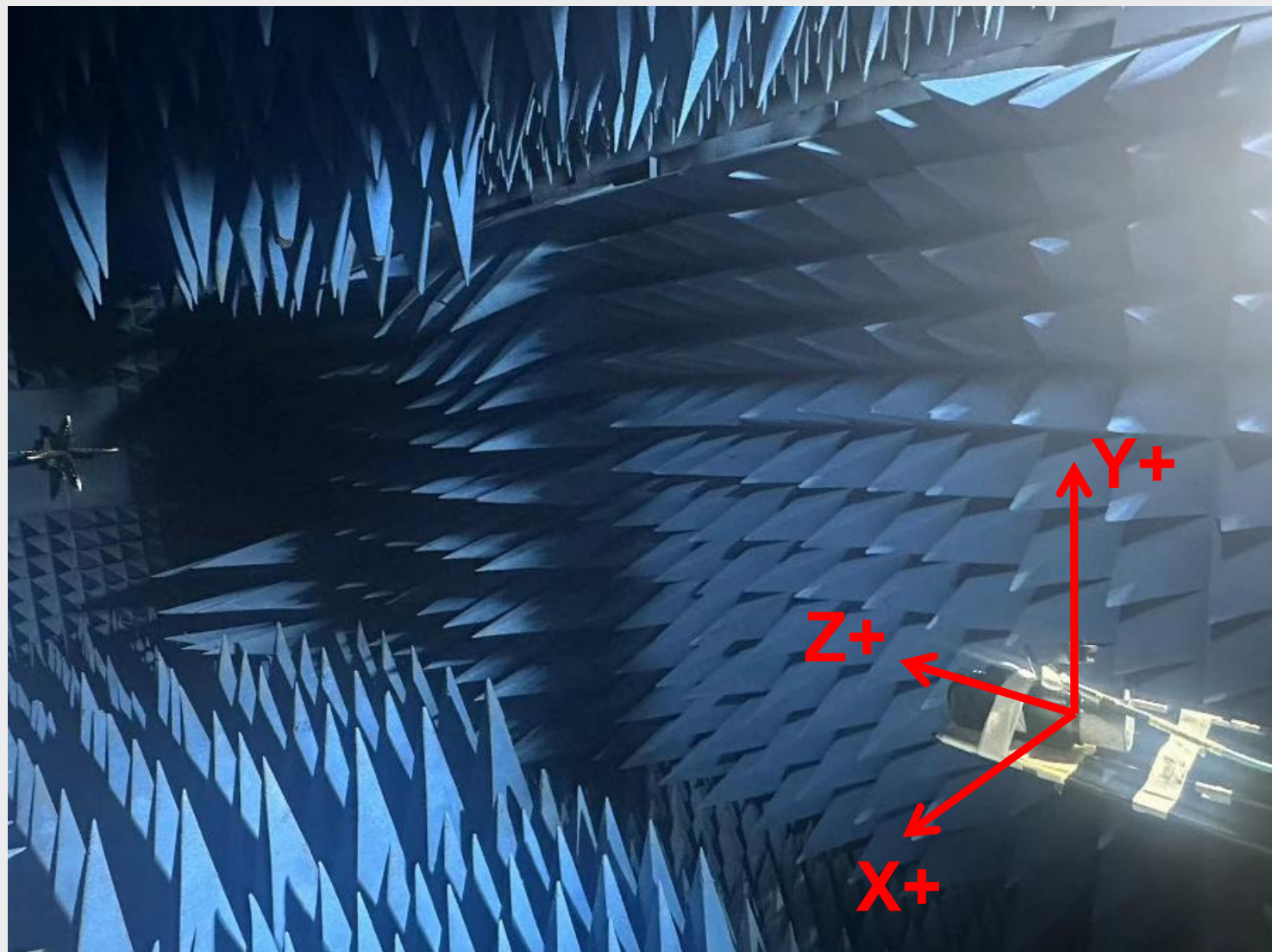
	Element	Value
	E1	No change
	E2	No changes
	E3	No changes



IV. Dark room coordinates

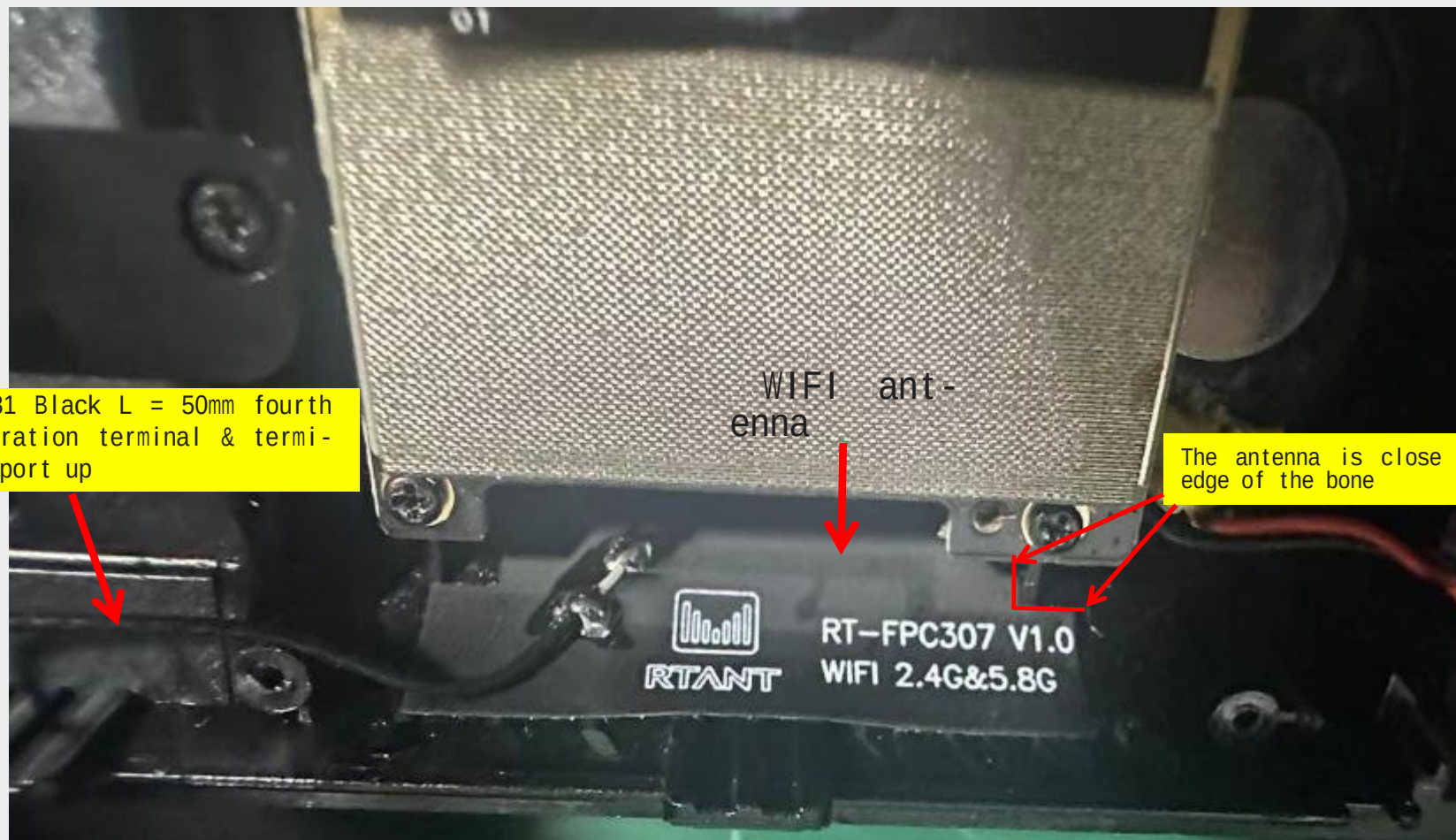


RTANT





V. Antenna location



φ0.81 Black L = 50mm fourth generation terminal & terminal port up

WIFI antenna

The antenna is close to the edge of the bone



RT-FPC307 V1.0
WIFI 2.4G&5.8G

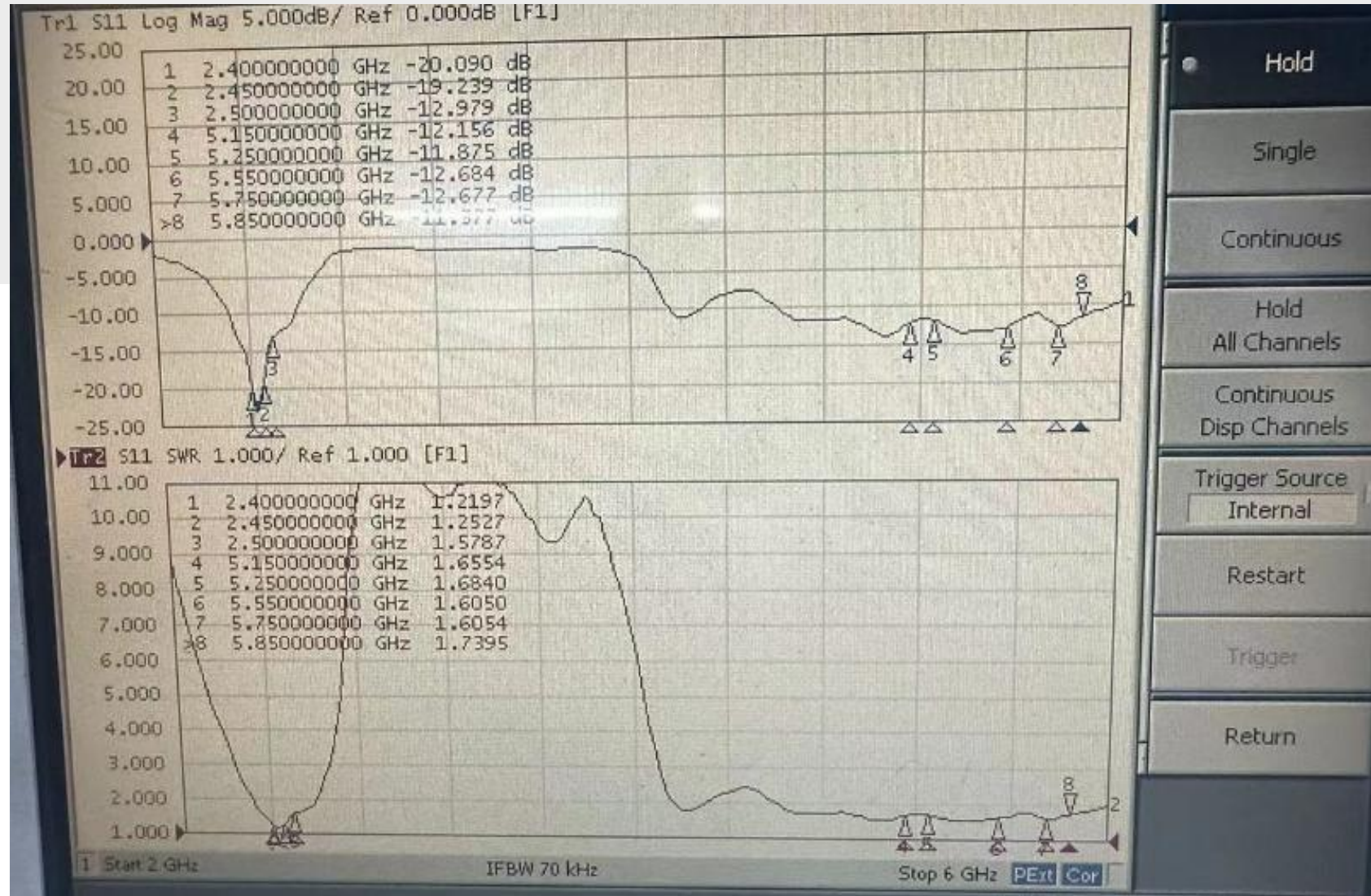
VI. Passive data

R-LOSS&VSWR(WIFI)



RTANT

No source data



Effi / Gain(WIFI)



RTANT

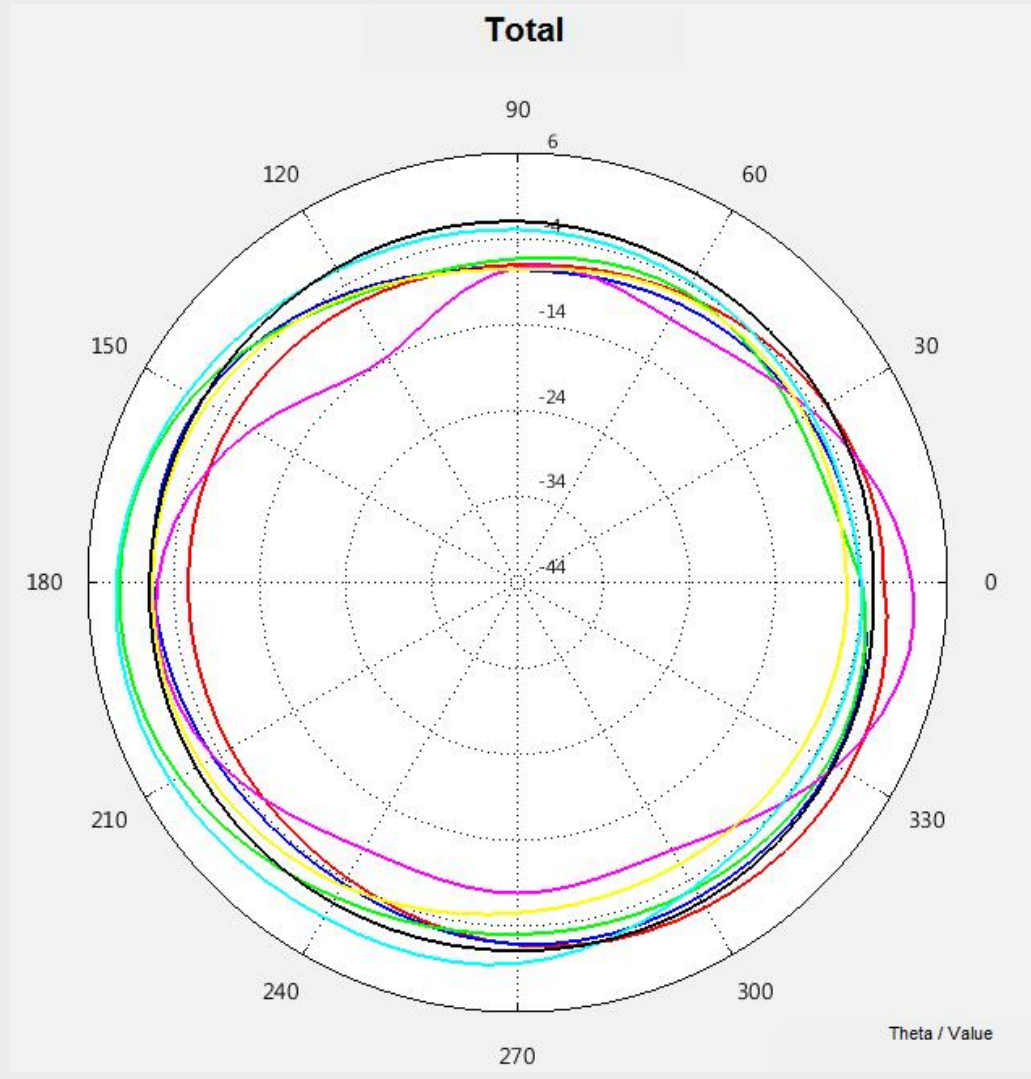
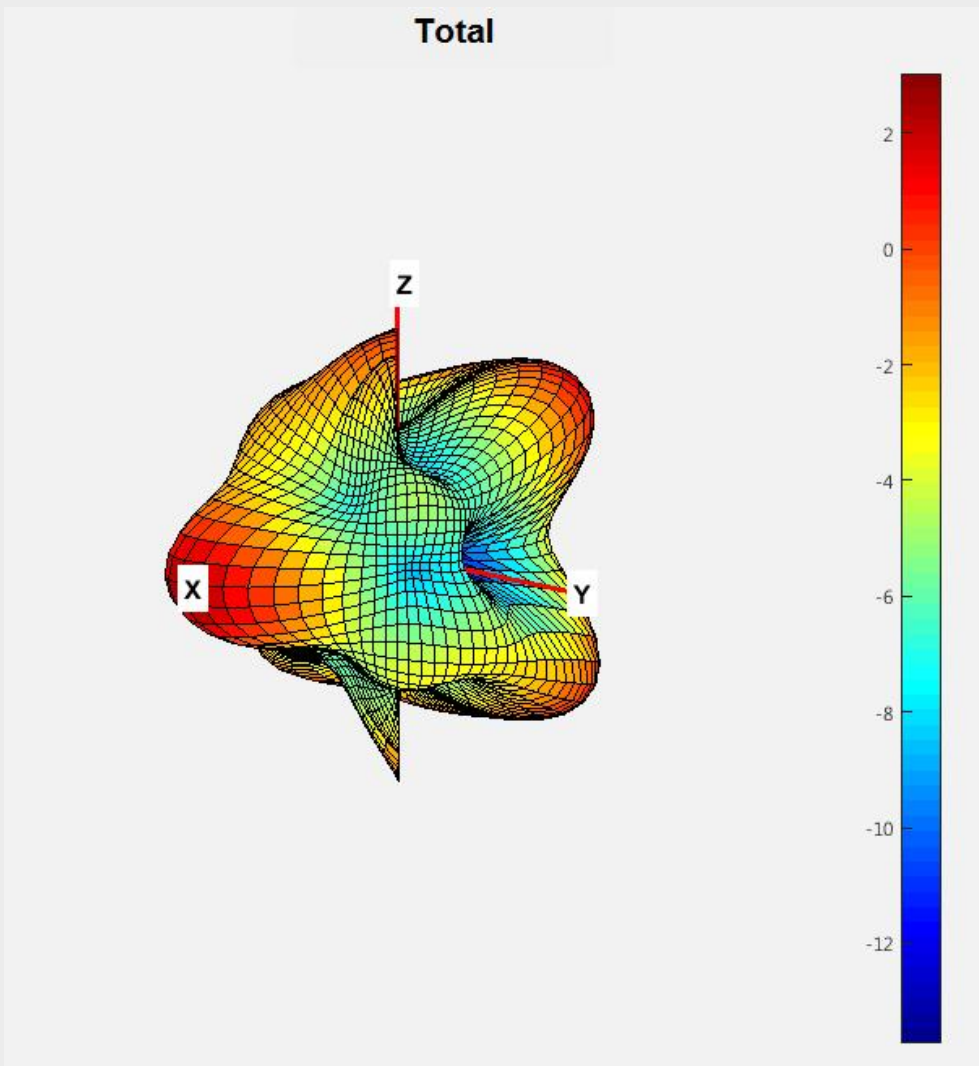
Frequency	Efficiency (%)	Gain (dBi)	Frequency	Efficiency (%)	Gain (dBi)
2.4GHz	46.34	3.04	5.15GHz	48.42	1.01
2.41GHz	48.19	3.02	5.2GHz	48.99	0.6
2.42GHz	48.5	2.86	5.25GHz	44.08	1.34
2.43GHz	47.45	2.63	5.3GHz	47.88	0.67
2.44GHz	49.81	2.8	5.35GHz	44.79	0.59
2.45GHz	49.59	2.7	5.4GHz	43.18	0.86
2.46GHz	50.24	2.66	5.45GHz	45.92	1.44
2.47GHz	50.83	2.61	5.5GHz	45.24	0.52
2.48GHz	50.94	2.58	5.55GHz	47.41	1.32
2.49GHz	51.56	2.57	5.6GHz	46.26	1.04
2.5GHz	50.5	2.47	5.65GHz	45.22	0.68
			5.7GHz	47.79	1.46
			5.75GHz	51.7	1.37
			5.8GHz	48.4	0.54
			5.85GHz	47.05	0.56

directional
ram WIFI diag-

2450MHz



RTANT





No source data

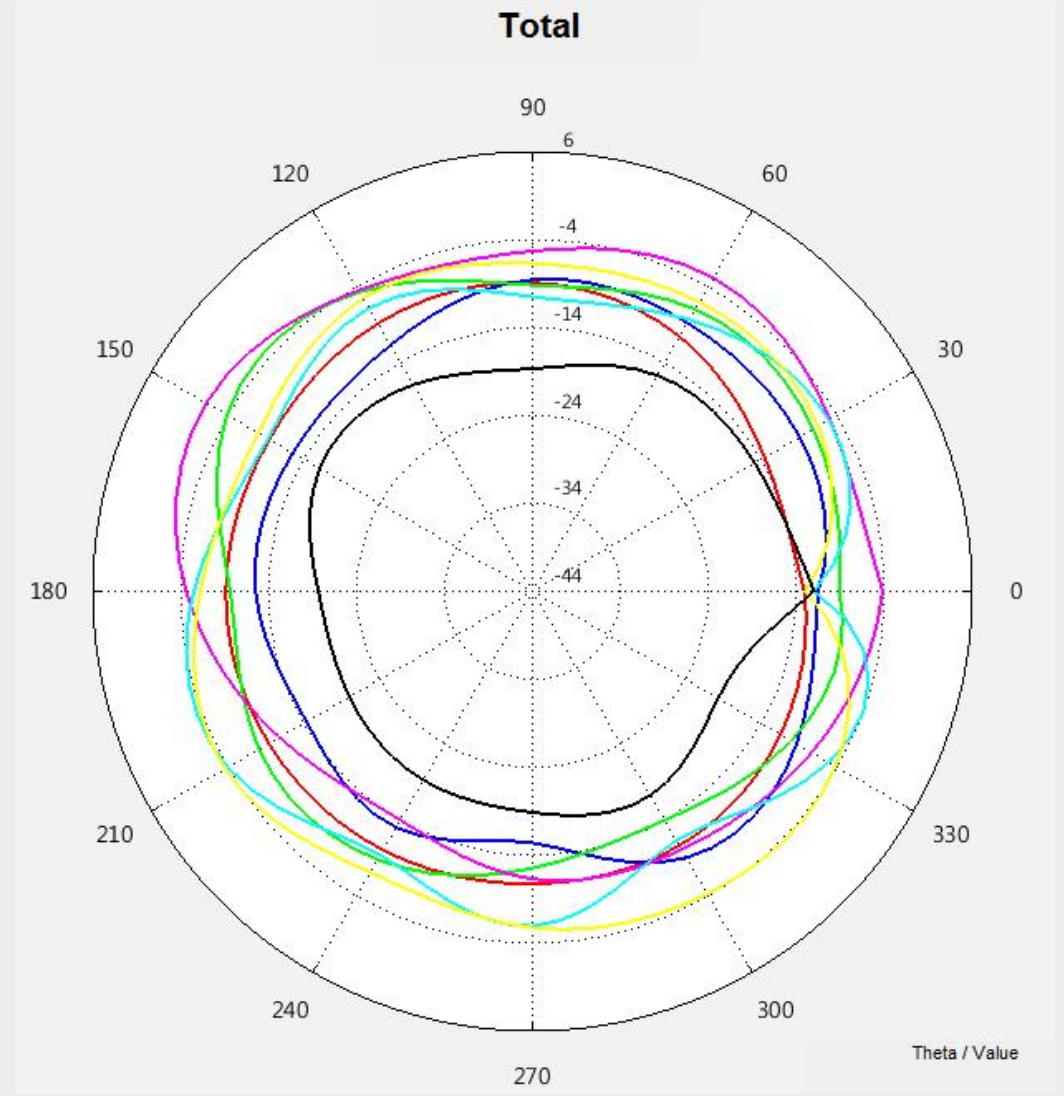
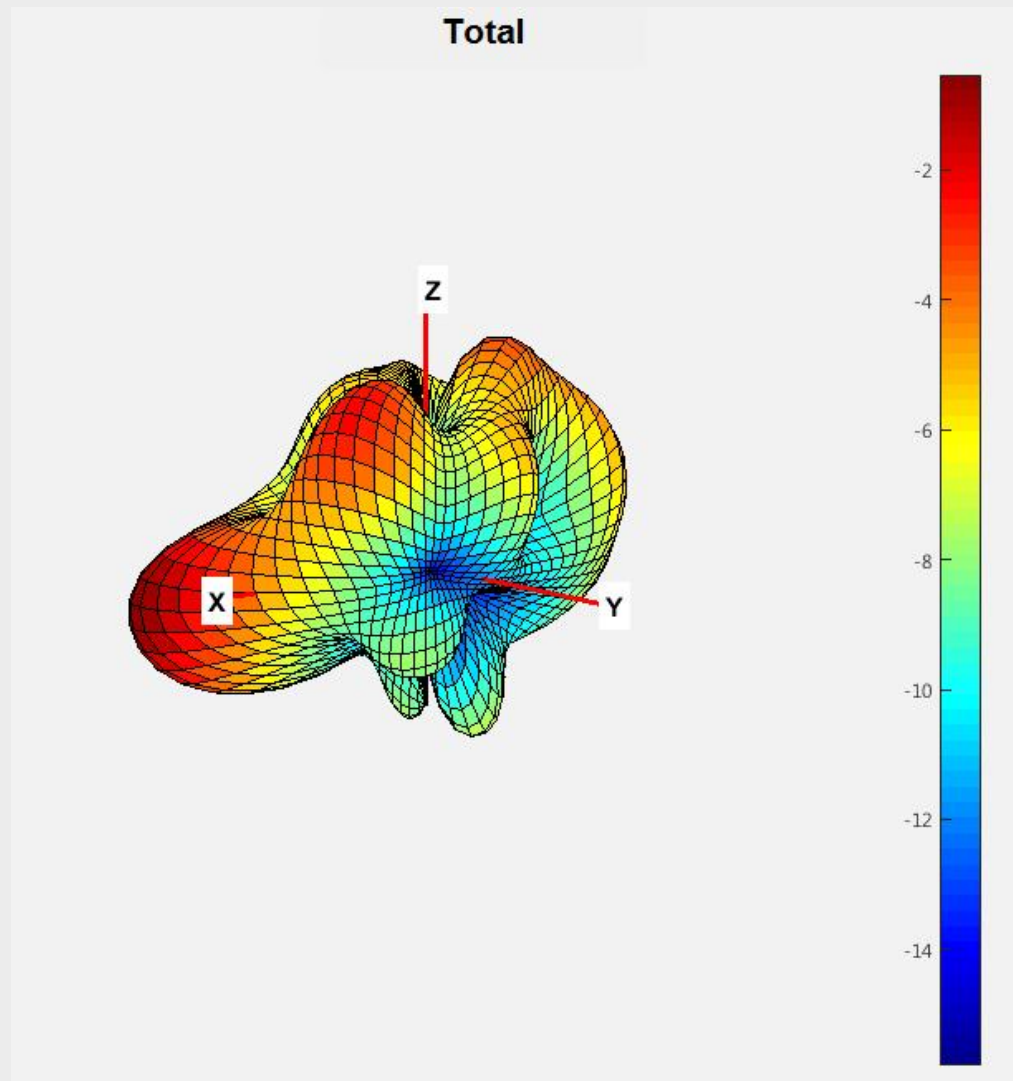
directional
ram WIFI

diag-

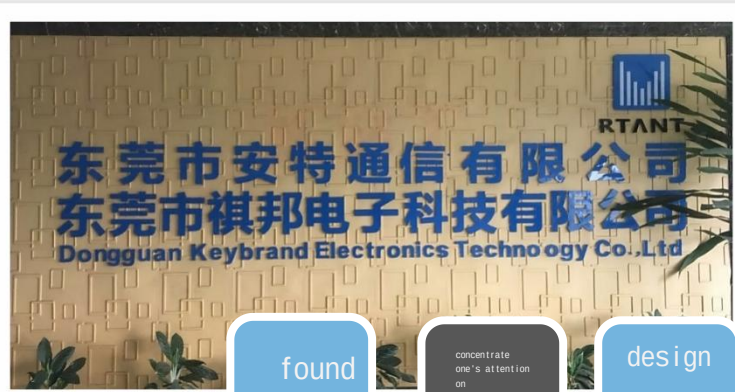
5500MHz



RTANT



contact way

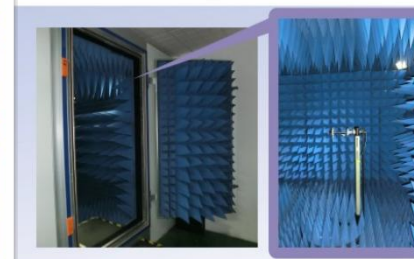
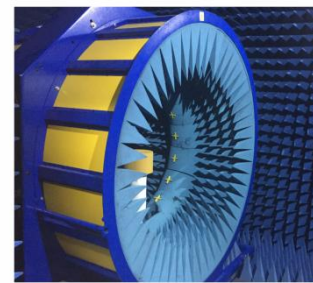


found
11 ye-
ars

concentrate
one's attention
on
wireless

design
research and
development

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