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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



eye
record



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一. Project Adjust Profile

二. Laboraty Test Enviroment and Equiment

三. Antenna matching circuit

四. Darkroom coordinate marking

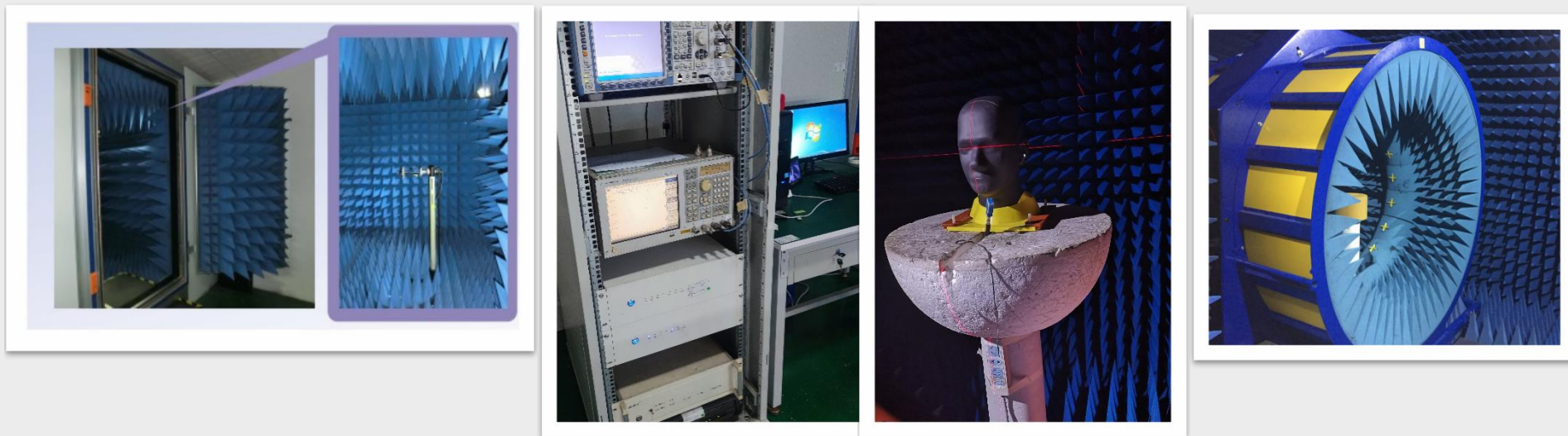
五. Antenna Location

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 =43mm second generation terminals			
Antenna mate- rial				

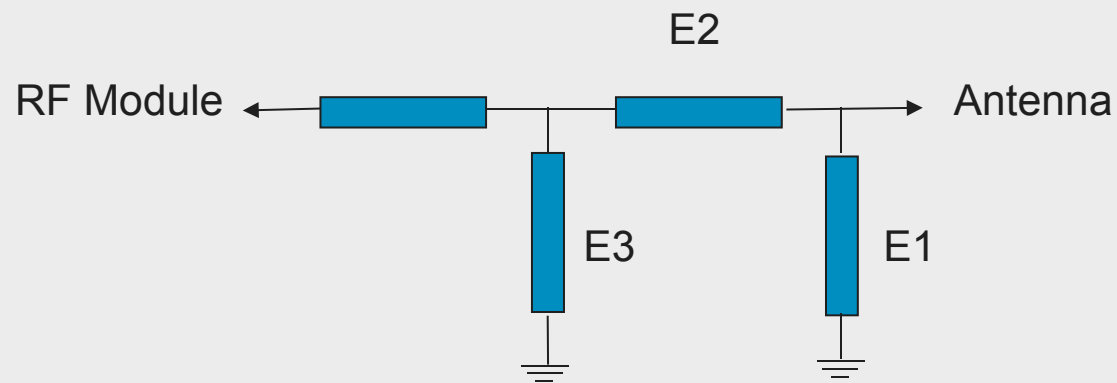
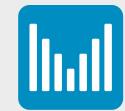


Note: The equipment used for commissioning and testing of this project is marked in blue



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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

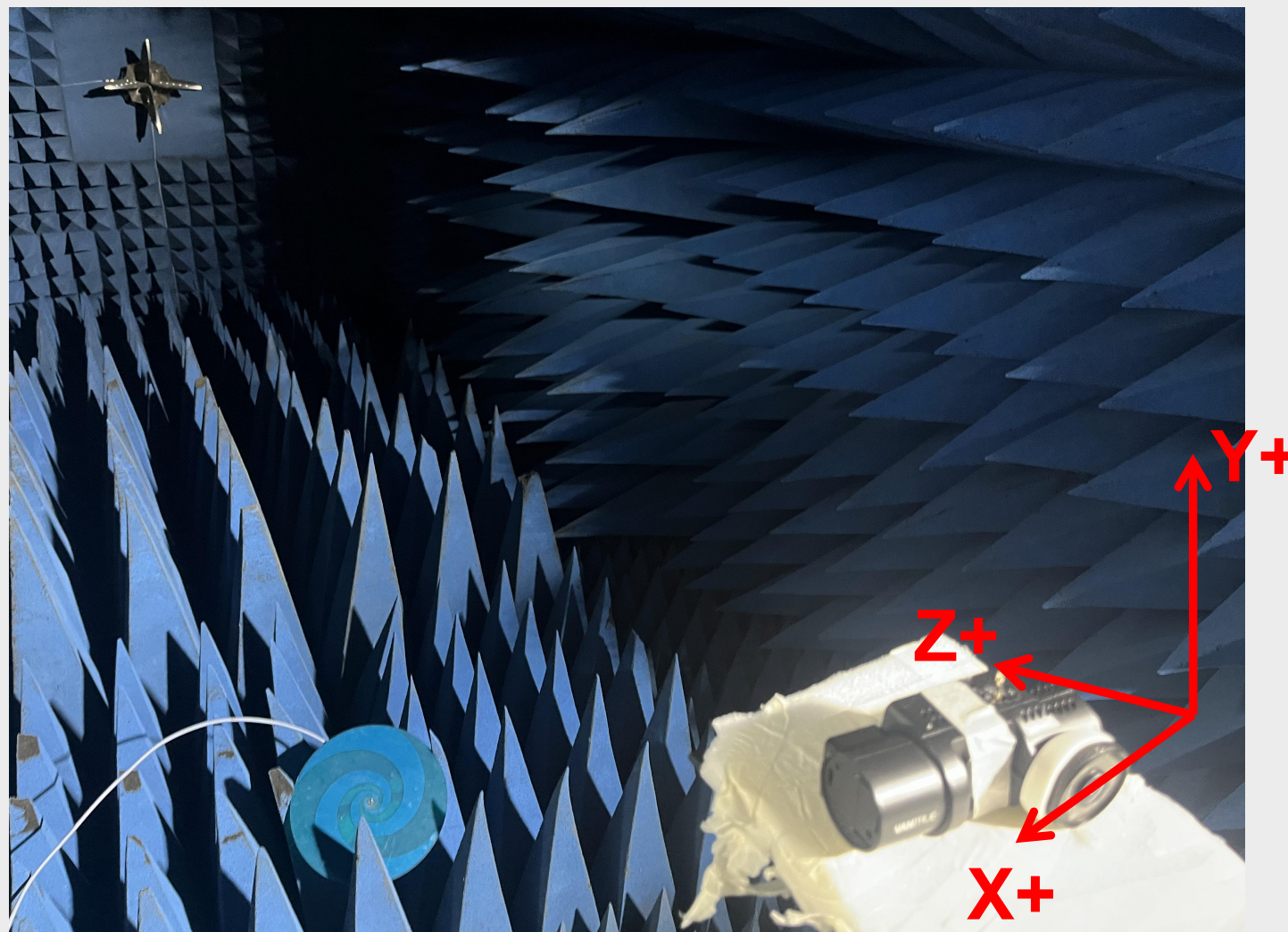


	Element	Value
	E1	No change
	E2	No changes were made
	E3	No change

IV. Dark room coordinates



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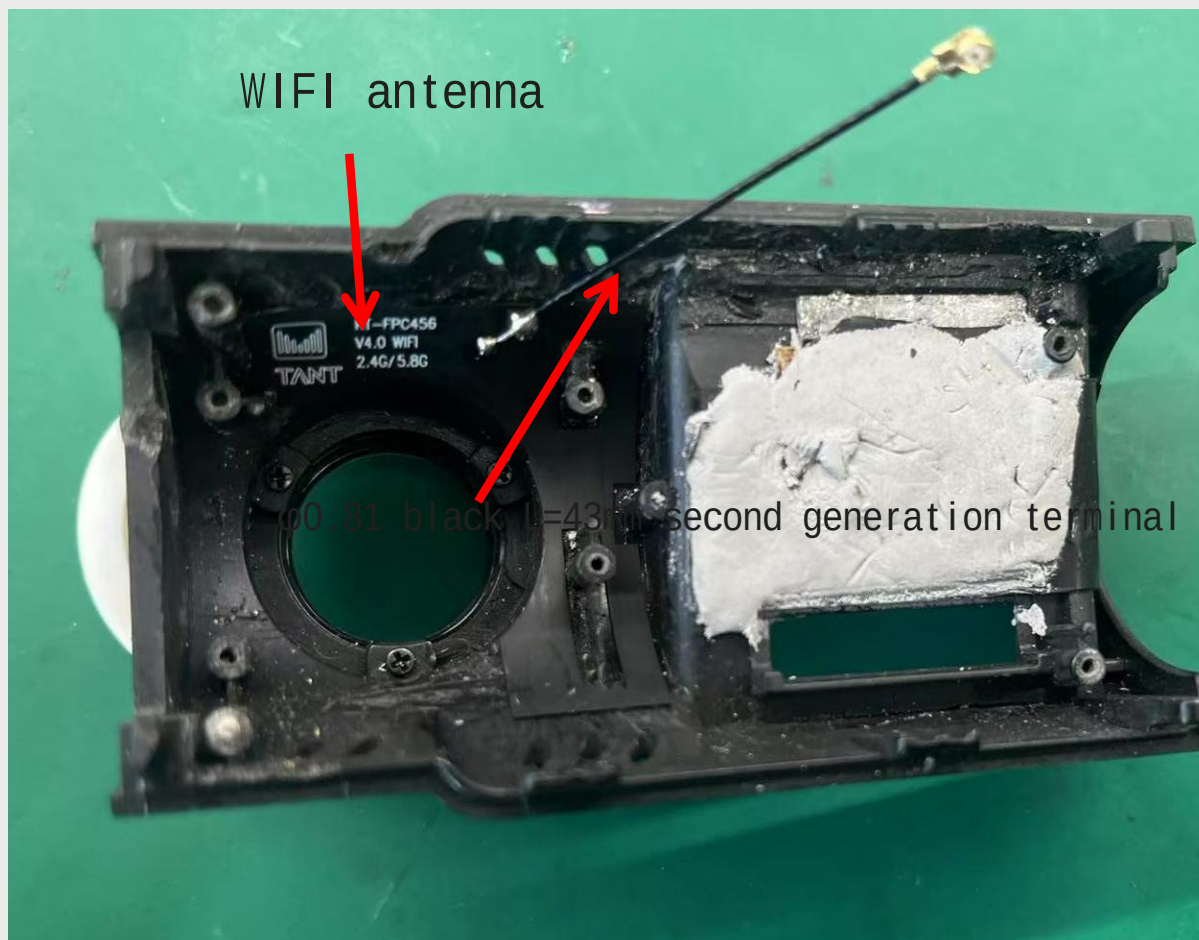




V. Antenna location



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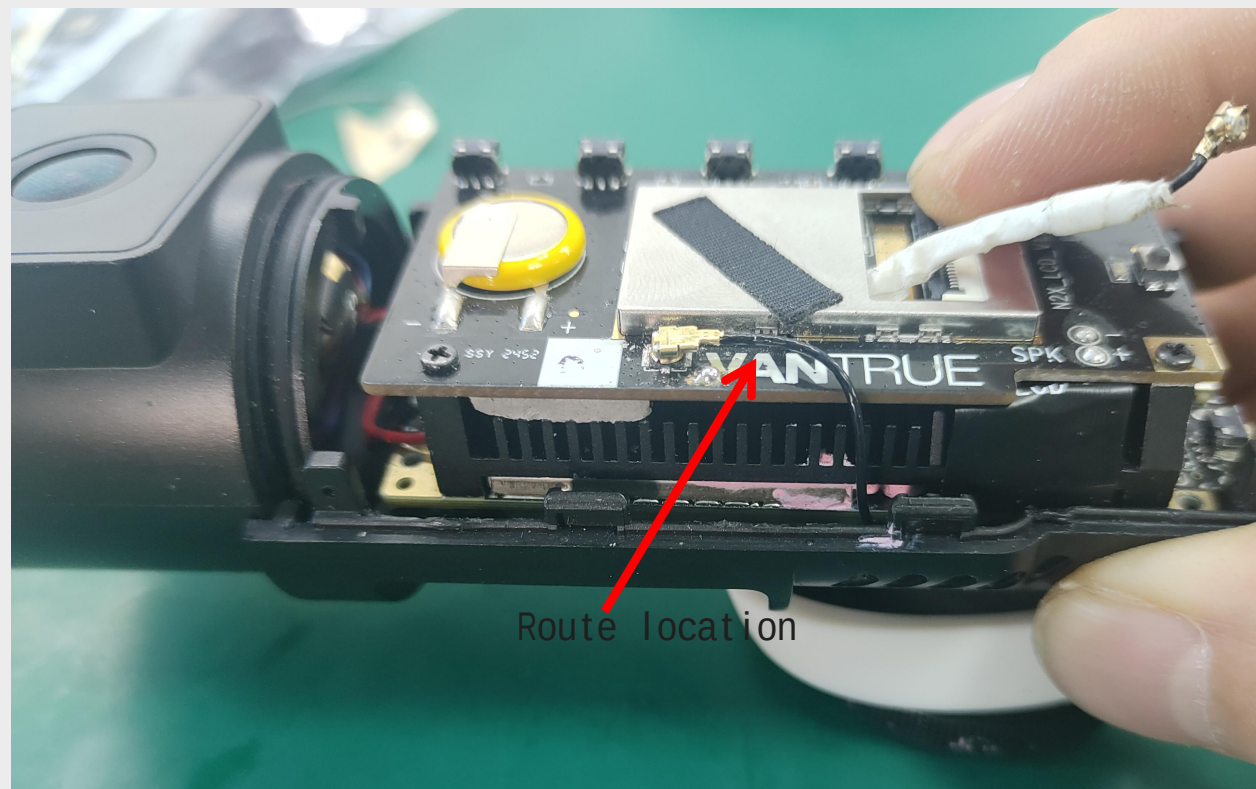


Place the antenna in position

V. Antenna location



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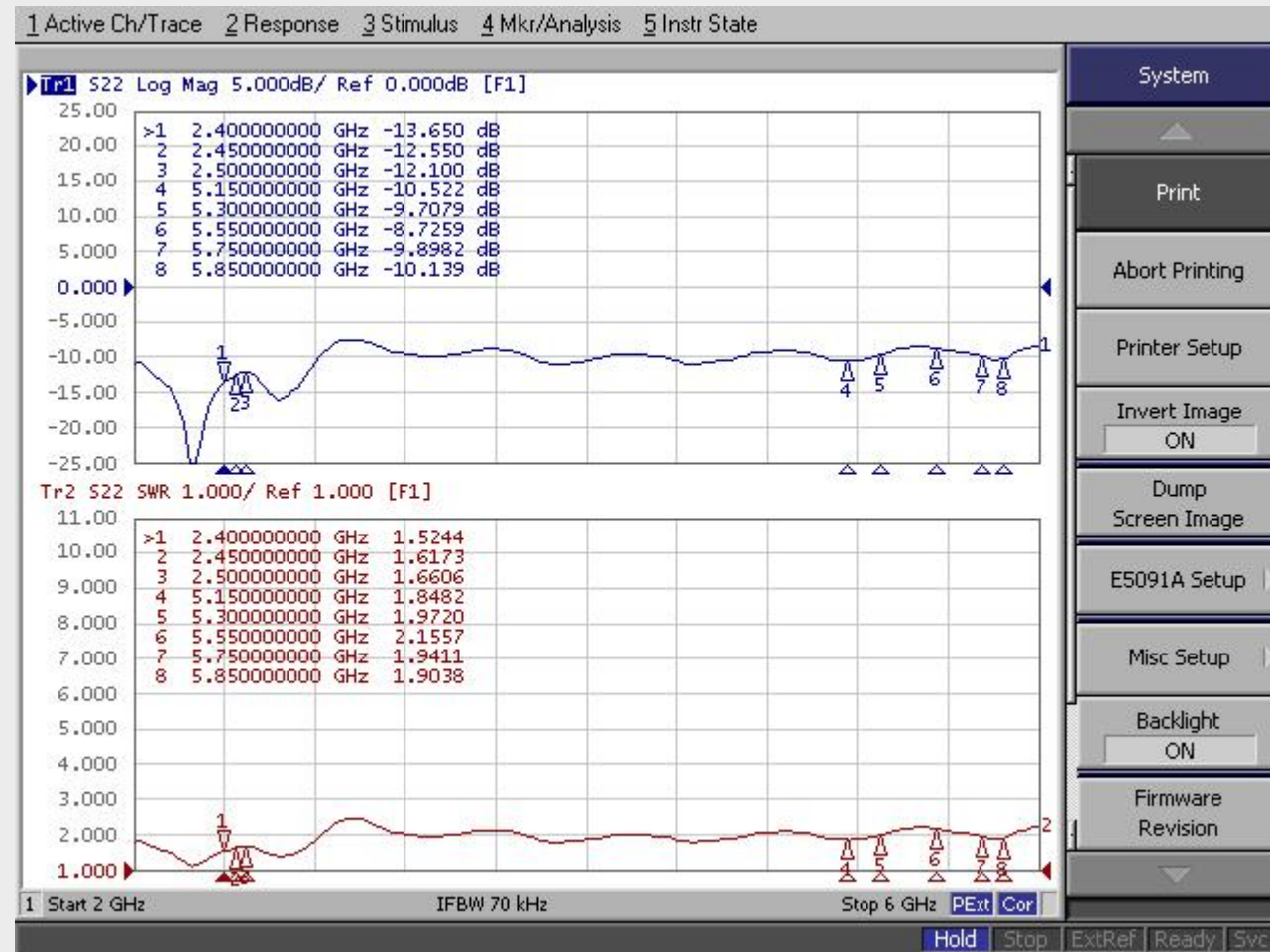


Route location

R-LOSS&VSWR(WIFI)



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Effi / Gain(WIFI)



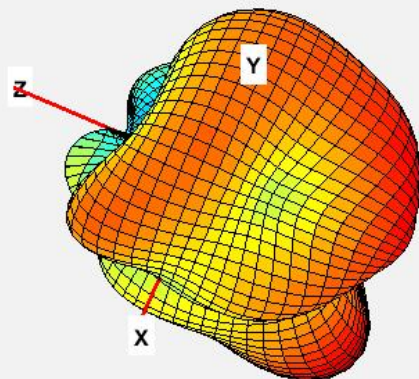
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WIFI

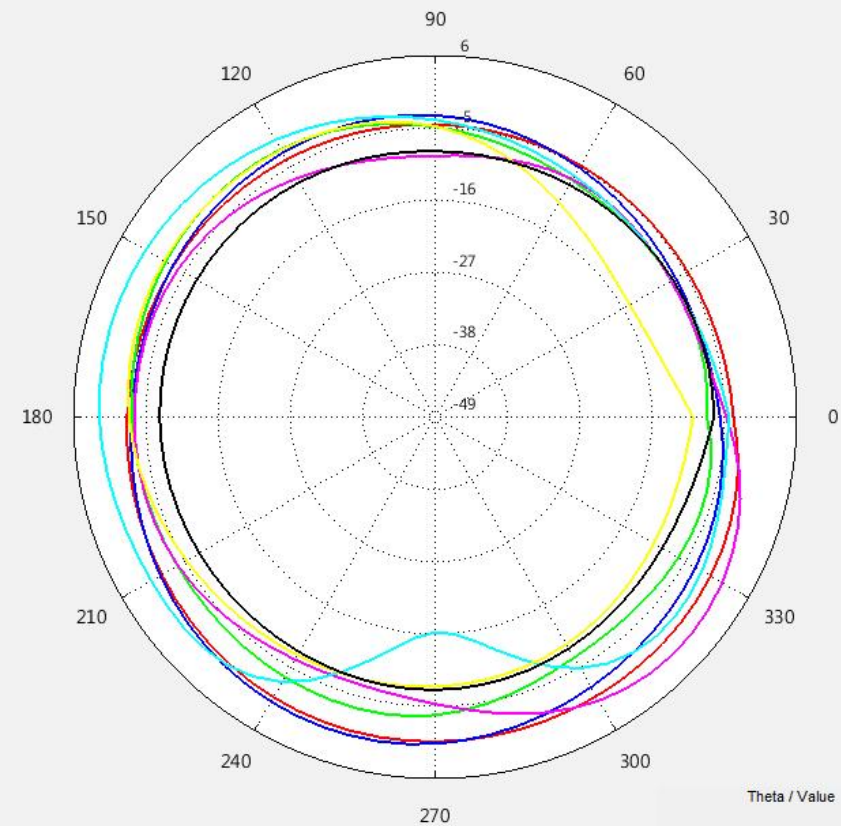
Frequency	2. 40 GHz	2. 45 GHz	2. 50 GHz	5. 15 GHz	5. 5GHz	5. 85GHz
Efficiency (%)	41. 34	41. 57	40. 87	42. 23	41. 21	41. 65
Gain (dBi)	1. 14	1. 13	1. 09	1. 21	1. 31	1. 39

Directional map WIFI 2450 MHz

Total



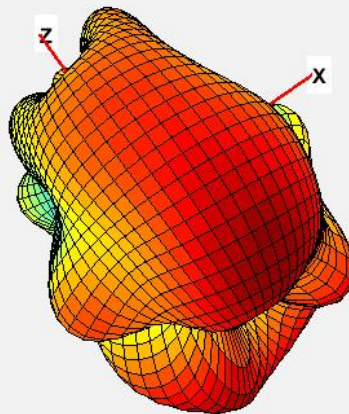
Total



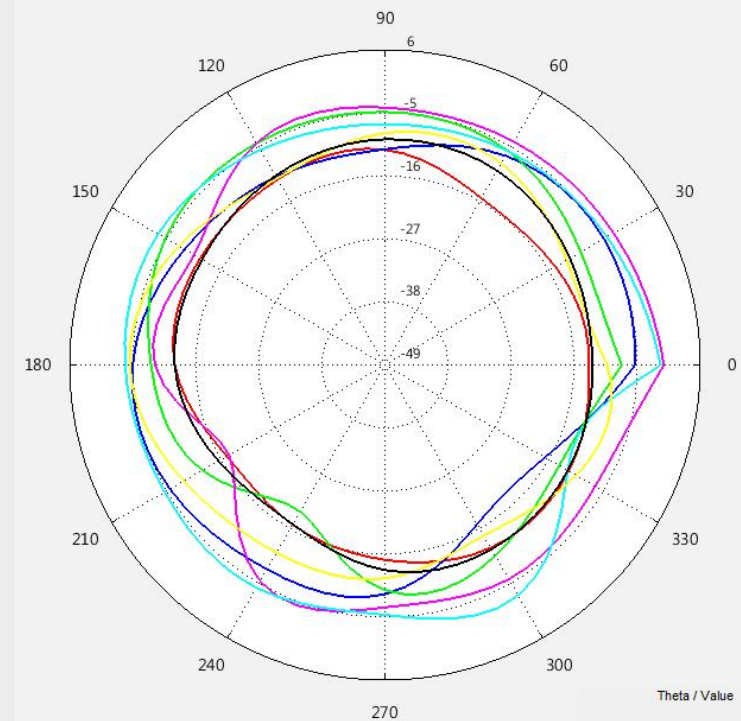
Directional map WIFI 5500 MHz



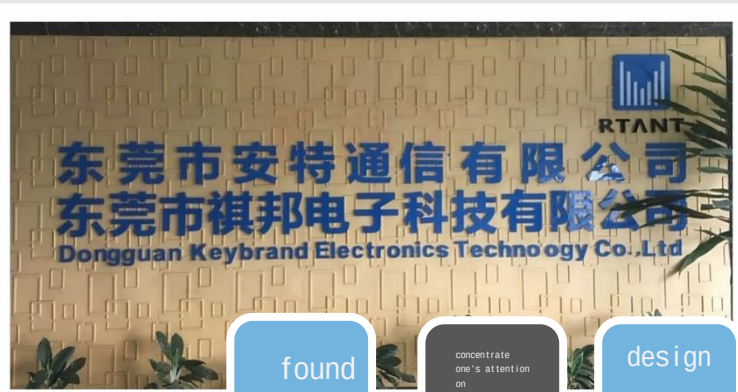
Total



Total



contact way

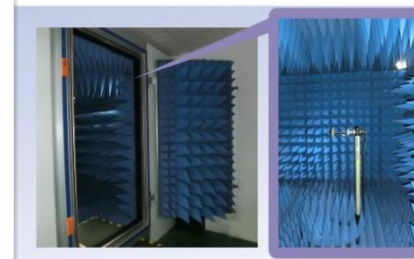
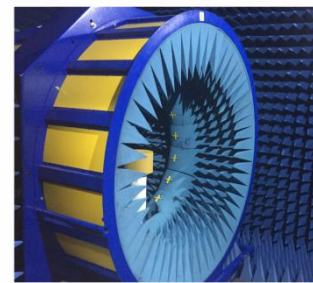


found
11 ye-
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concentrate
one's attention
on
wireless

design
research and
development

make



Learn more about <http://www.rtant.com>

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Thank you for your trust in Rtant