

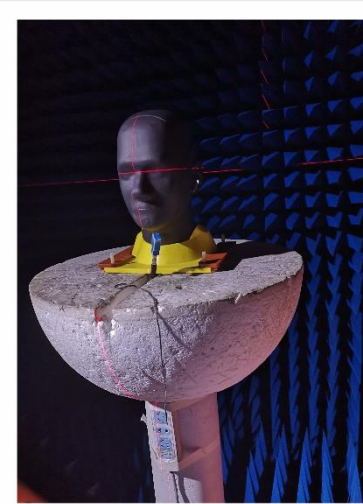
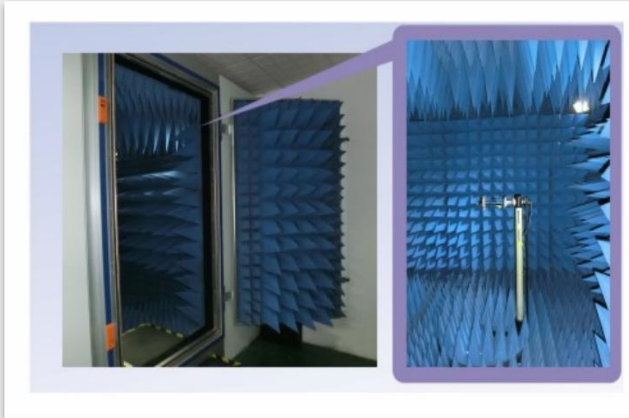
Antenna Debugging & Testing Report

Antenna Commissioning & Test Report

Manufacturer: Dongguan Ante
Communication Co., Ltd.
Address: 3rd Floor, Building E,
Lulang Industrial Innovation Park,
Shalong, Shatang Community, Houjie
Town, Dongguan City



Device type				
Antenna types and frequency band information	Antenna system	Band information	Antenna form	Match changes
	WIFI 1	2400-2500 MHz 5150-5850MHz	FPC	Deny
	WIFI 2	2400-2500 MHz 5150-5850MHz	FPC	Deny
	(1) WIFI 0-antenna φ1.13 black L=200mm 4th generation terminal (2) WIFI 1 antenna φ1.13 white L=200mm 4th generation terminal			
Antenna material	FPC			

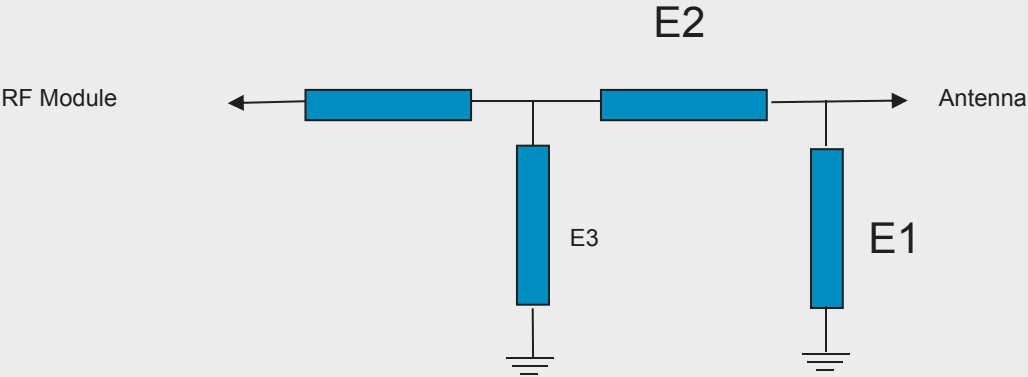


Test item	Testing facility
S11、 S12 、 VSWR 、 LOSS	Network Analyzer E5071B and E8753D
Efficiency、 Gain、 3D Radiation Pattern	Satimo SG16 darkroom, Taiwan's top 107*4*3 darkrooms , E5071B, second generation human head
TRP、 TIS	Satimo SG16 darkroom, Top 10 darkrooms in Taiwan , CMW500 , second generation human head

Note: The equipment for debugging and testing in this project is marked in blue.

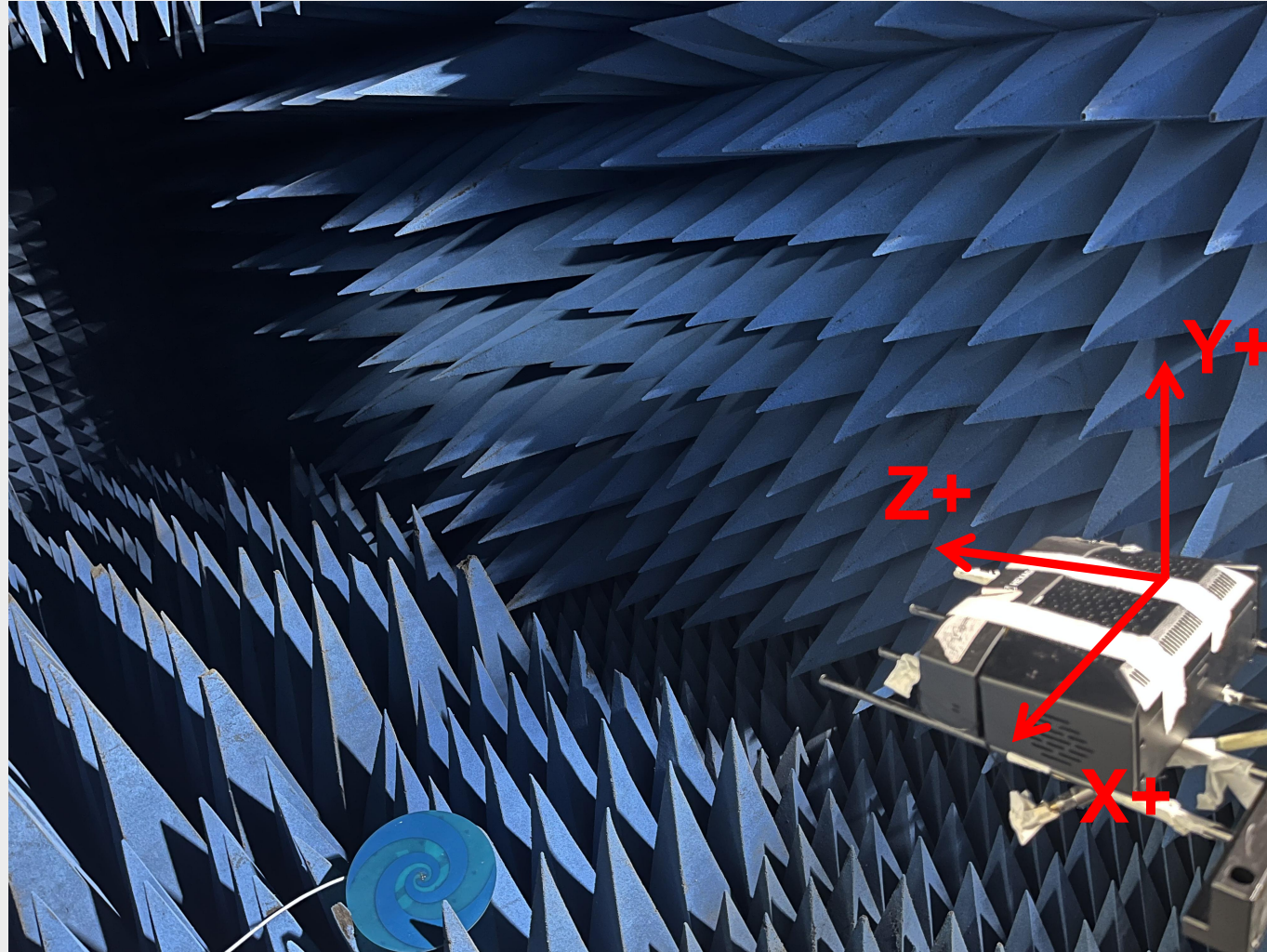


	Element	Value
	E1	No changes
	E2	No changes
	E3	No changes



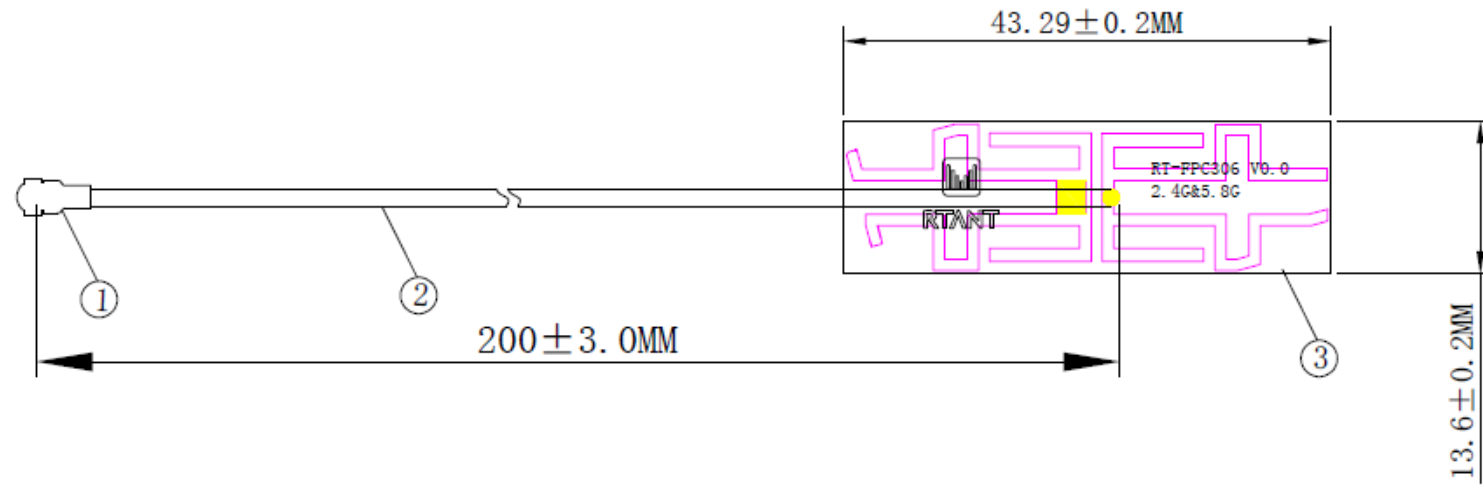


4. Darkroom Coordinate Labeling



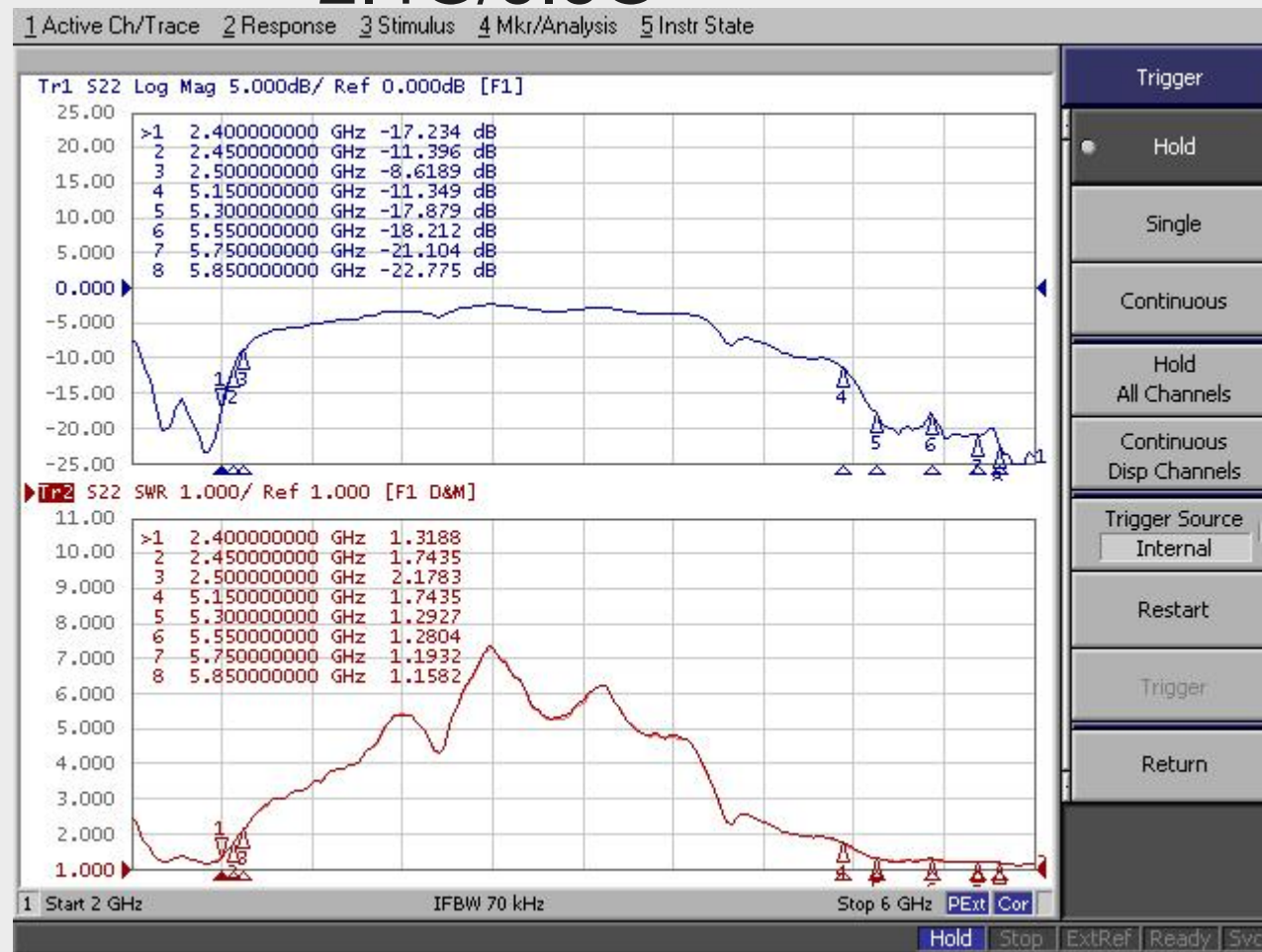


5. Antenna



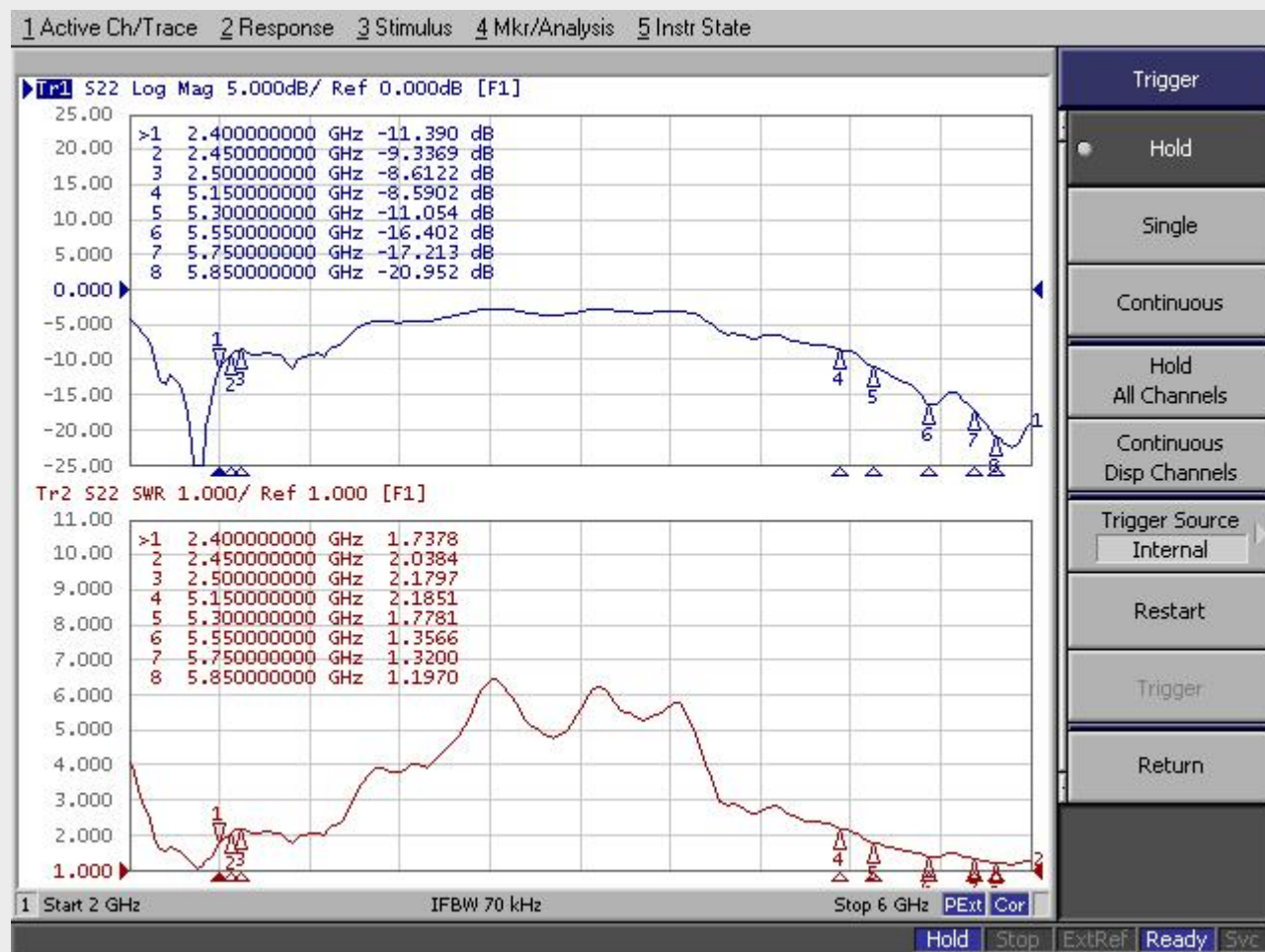
6. Passive Data

R-LOSS-VSWR WIFI 1 2.4G/5.8G



6. Passive Data

R-LOSS-VSWR WIFI 1
2.4G/5.8G





Effi / Gain

(WIFI 1) 2.4G/5.8G

Frequency	2.40GHz	2.45GHz	2.50GHz	5.15GHz	5.5GHz	5.85GHz
Efficiency (%)	31.56	31.01	33.56	48.84	51.79	54.35
Gain (dBi)	0.87	0.81	0.91	0.93	1.67	1.82

(WIFI 2) 2.4G/5.8G

Frequency	2.40GHz	2.45GHz	2.50GHz	5.15GHz	5.5GHz	5.85GHz
Efficiency (%)	36.16	33.16	34.93	48.88	58.02	52.91
Gain (dBi)	0.88	0.36	0.66	1.27	1.94	1.19

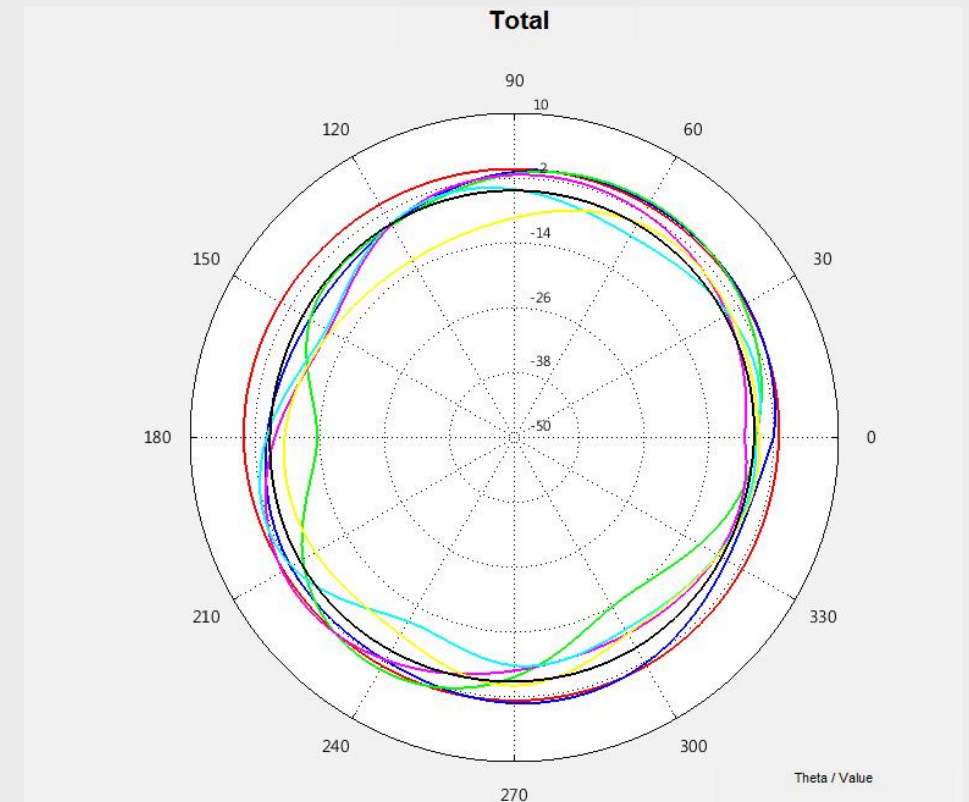
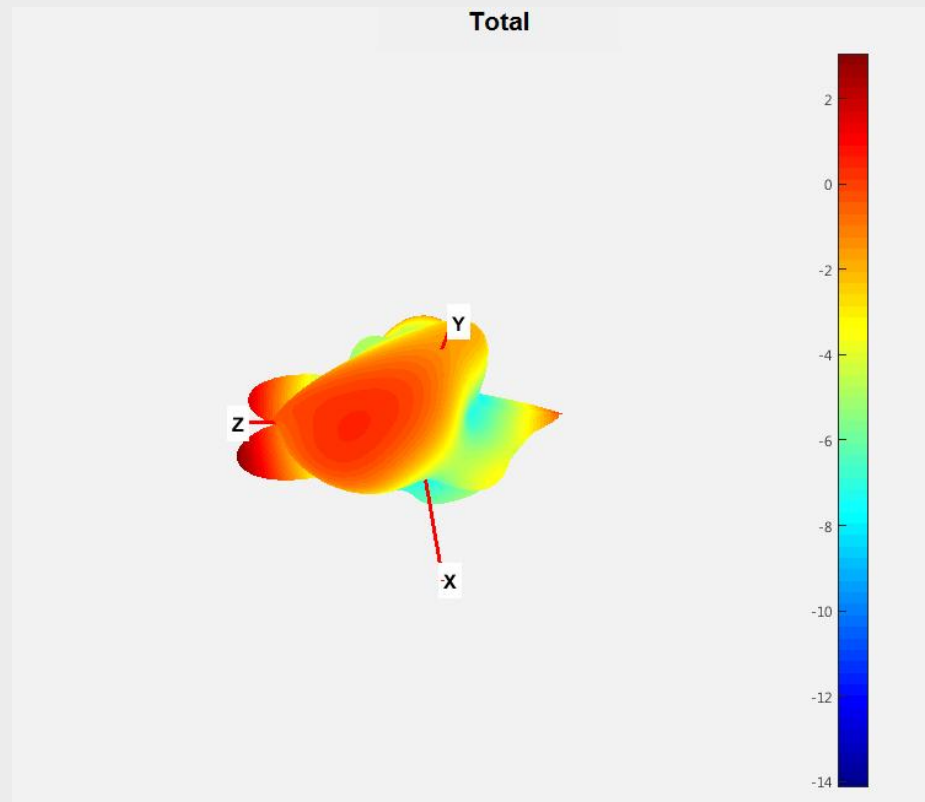


unspecified

directional diagram

WIFI 1 2450MHz 3D

2450MHz 2D

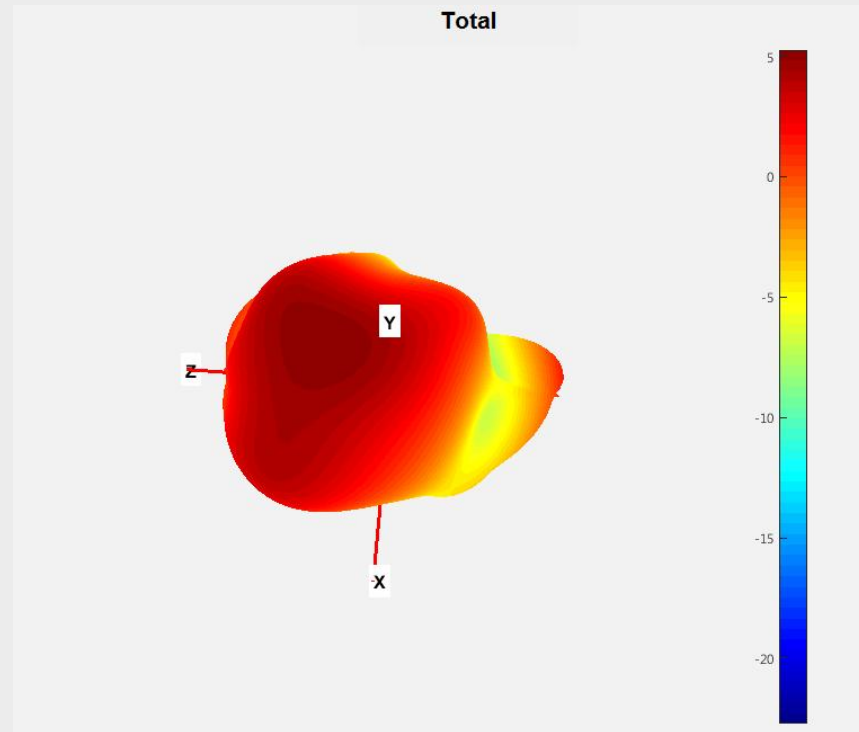




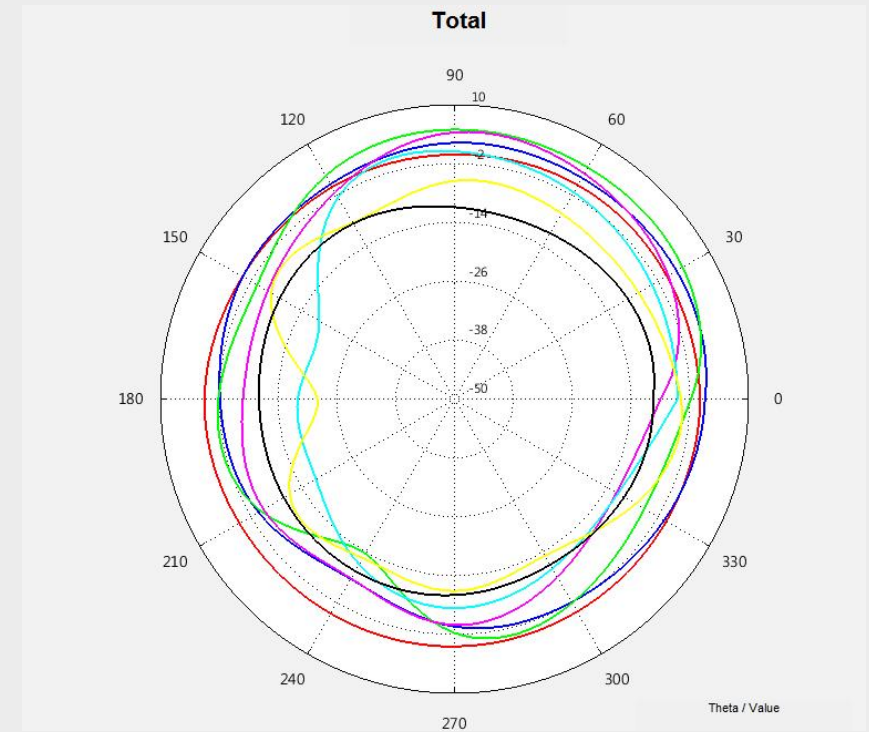
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directional diagram

WiFi 1 5500MHz 3D



5500MHz 2D



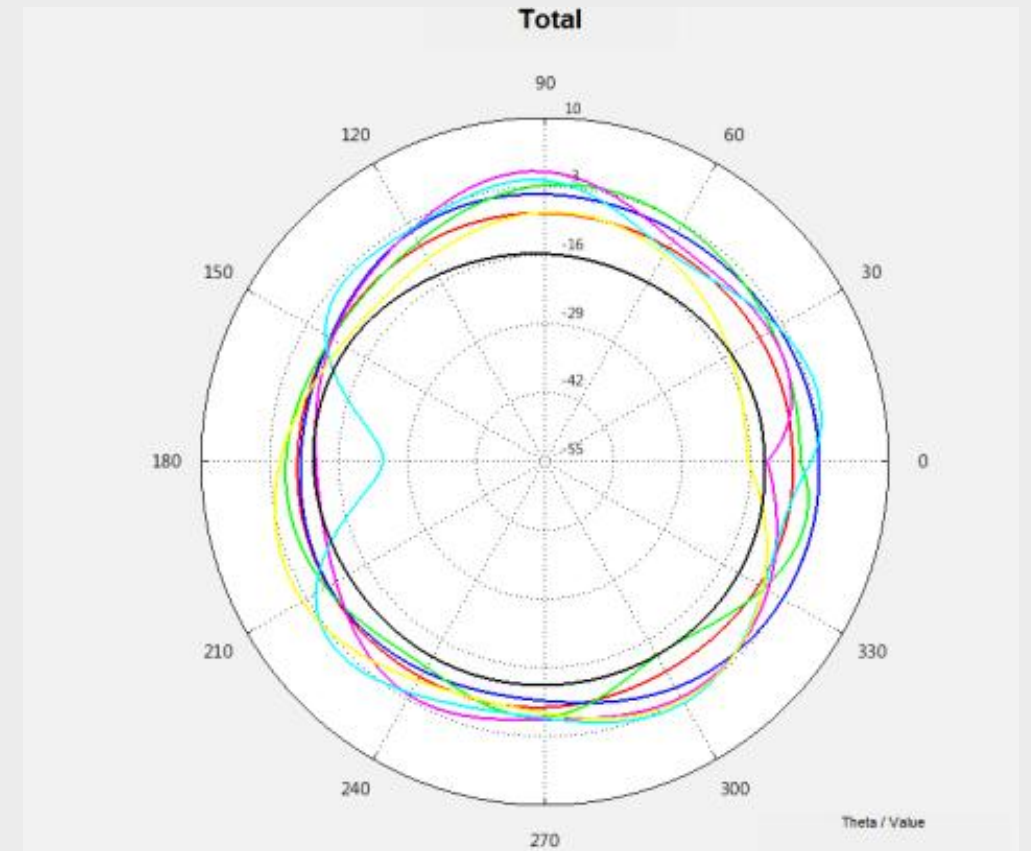
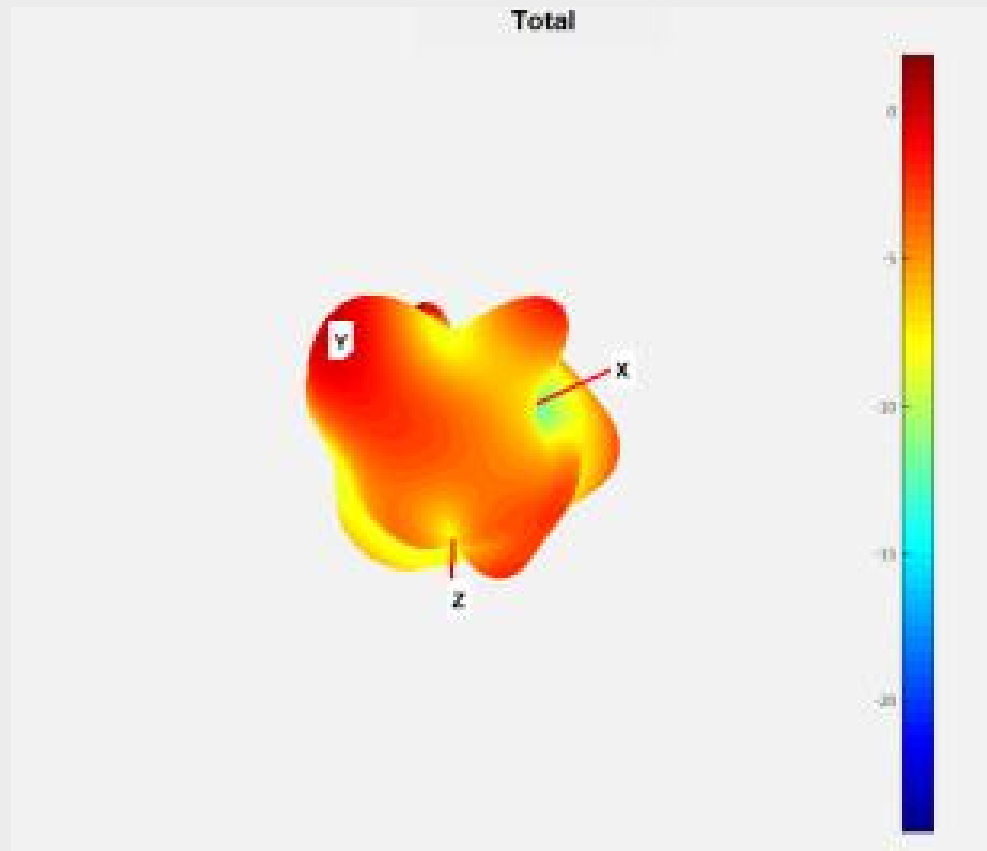


unspecified

directional diagram

WIFI 2 2450MHz 3D

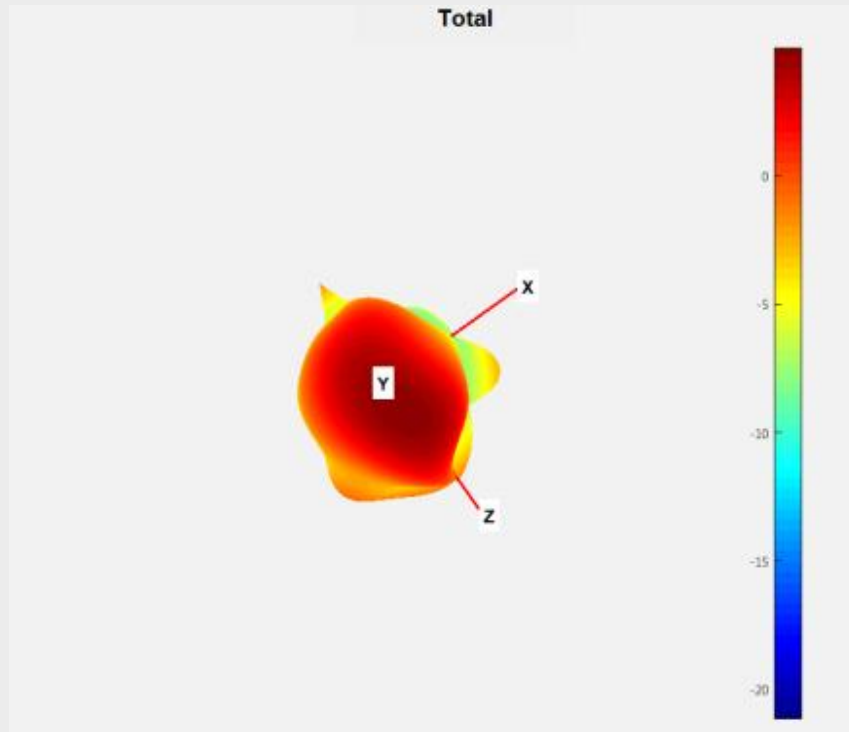
2450MHz 2D



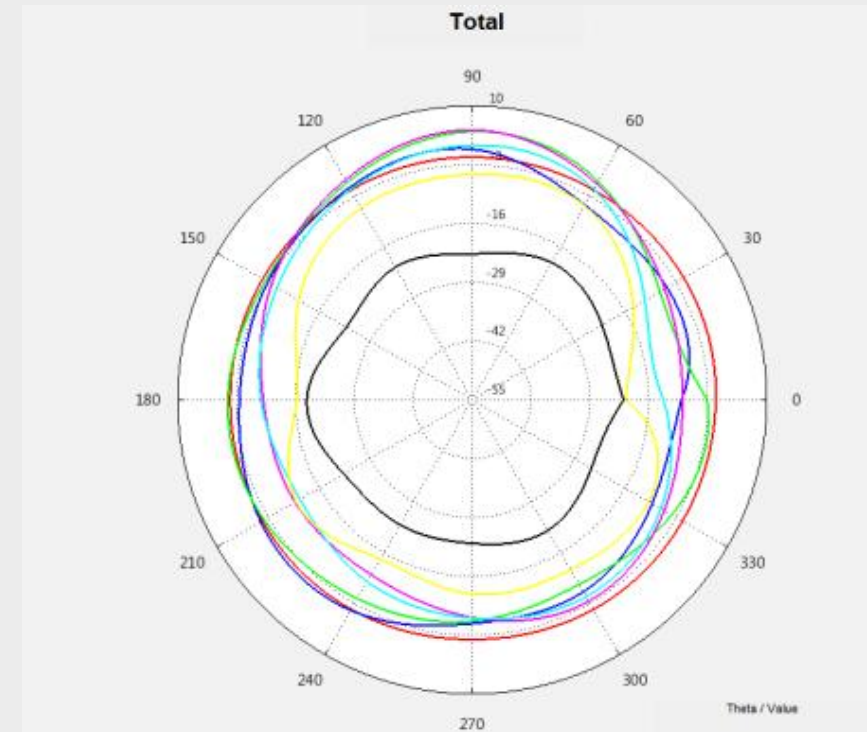


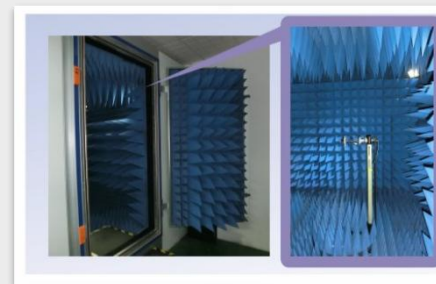
directional diagram

WiFi 2 5500MHz 3D



5500MHz 2D





found
11 years

concentrate on
s attention on
wireless

design
research and de
velopment

produce
make



Thank you for your trust