

Antenna Test Report

Manufacturer: Shenzhen Kuruijie Communication Technology Co., Ltd

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Shenzhen**

Customer:United Optics
Project:Y092

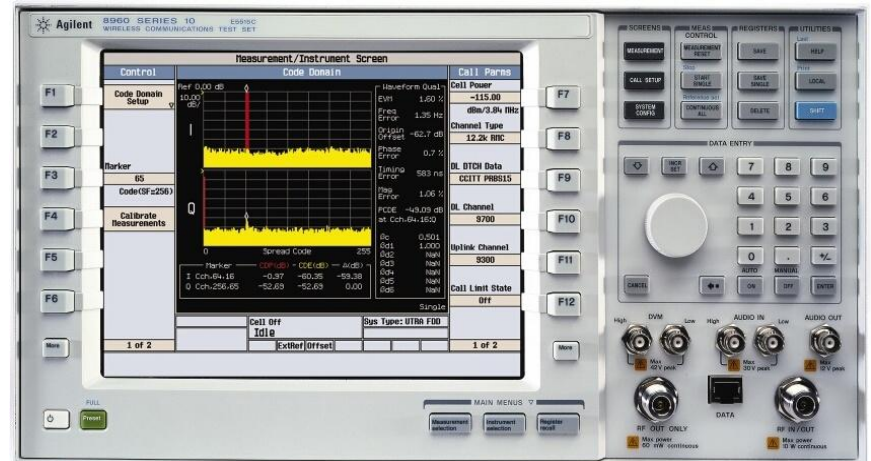
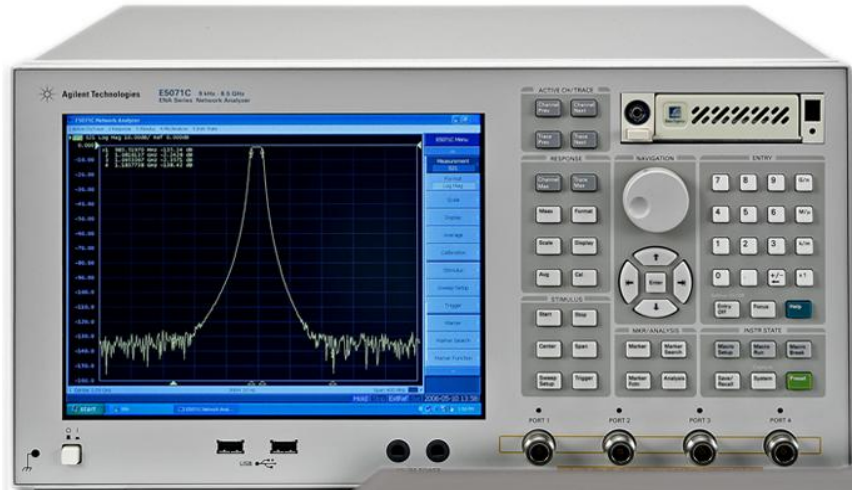
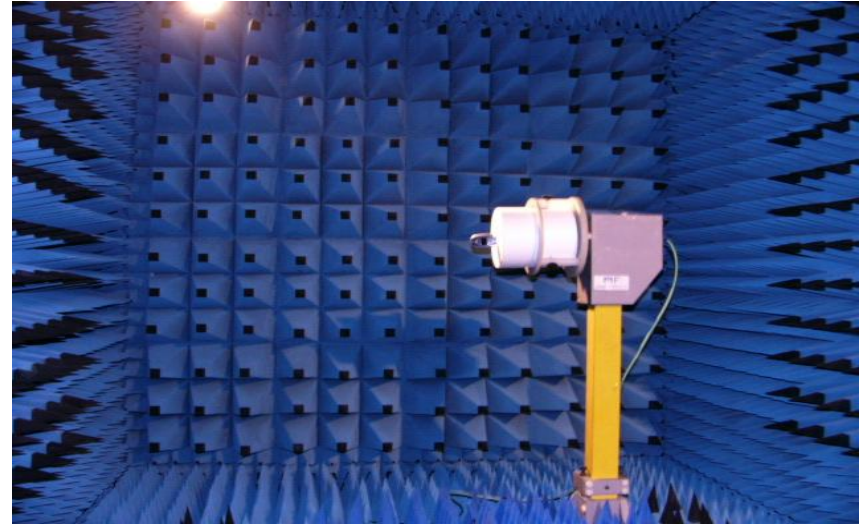
RF Engineer:LI XIN
Testing Date:2025.04.29

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1. The Equipment of Active Test

- 1: Anechoic Chamber 7x4x3 m (3D)
- 2: Rohde & Schwarz CMW500
- 3: AGILENT 8960 5515C
- 4: Network Analyzer-AGILENT ENA5071B





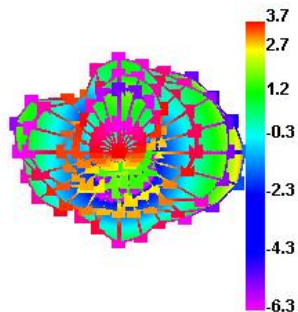
Antenna region

WIFI Antenna efficiency gain

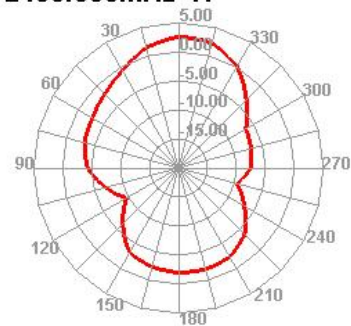
Passive Test For wifi2.4		
Freq	Effi	Gain
(MHz)	(%)	(dBi)
2400	58.08	2.89
2420	51.35	2.81
2440	45.41	2.56
2460	50.43	2.79
2480	51	2.80
2500	53.91	2.82

Apple map

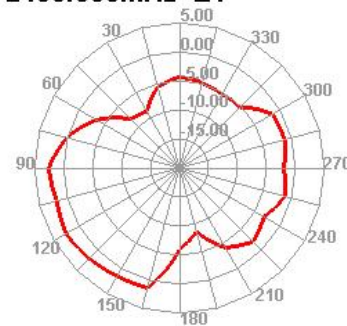
2400.000MHz



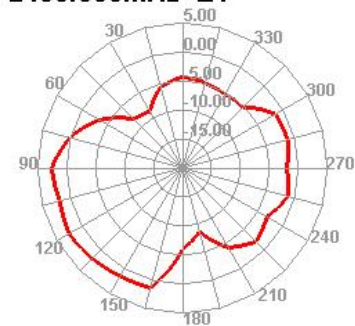
2400.000MHz H



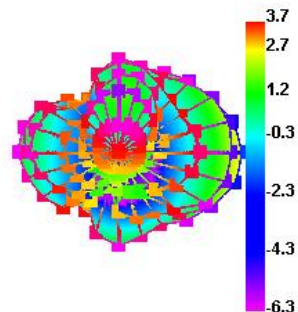
2400.000MHz E1



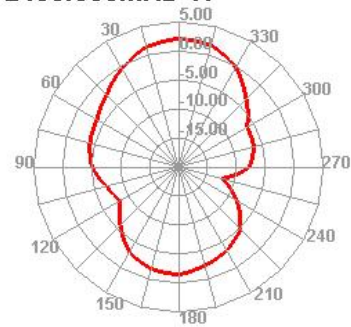
2400.000MHz E1



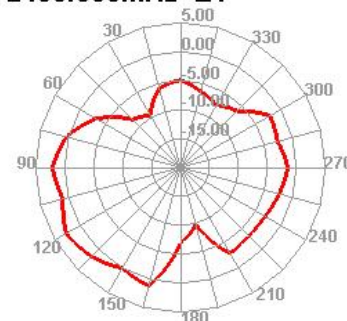
2450.000MHz



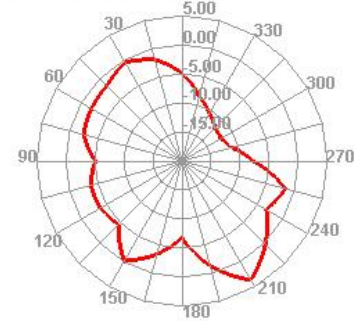
2450.000MHz H



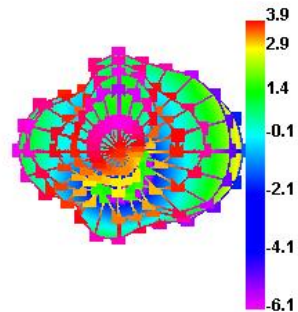
2450.000MHz E1



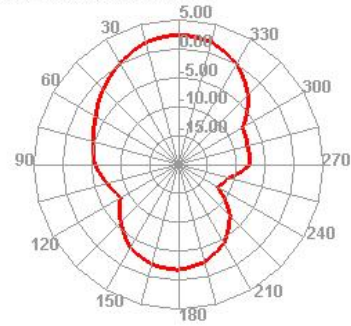
2450.000MHz E2



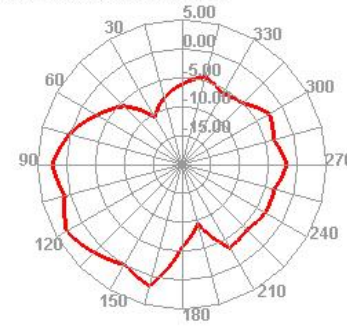
2500.000MHz



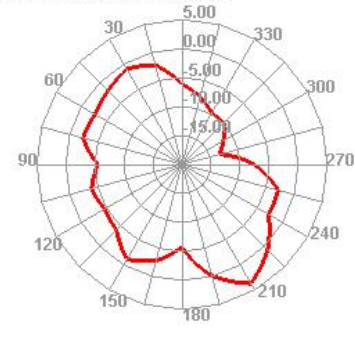
2500.000MHz H



2500.000MHz E1



2500.000MHz E2



4. Test Data

	WIFI2.4G _(b/11m)		
	1	6	11
TRP(dB)	18.4	19.6	19.8
TIS(dB)	-83.4	-85.7	-84.5

	WIFI2.4G _(n/MCS1)		
	1	6	11
TRP(dB)	18.7	18.9	19.1
TIS(dB)	-84.4	-86.4	-85.6

	WIFI2.4G _(g/11m)		
	1	6	11
TRP(dB)	18.6	19.3	20.0
TIS(dB)	-83.8	-85.8	-84.3

	WIFI2.4G _(AX/6m)		
	1	6	11
TRP(dB)	18.3	18.4	18.3
TIS(dB)	-86.4	-87.7	-88.3