



Heyuan City Xunwei communication technology Co., LTD

QCC5181

Antenna Test Report

Test date: 2023.03.16

Contents:

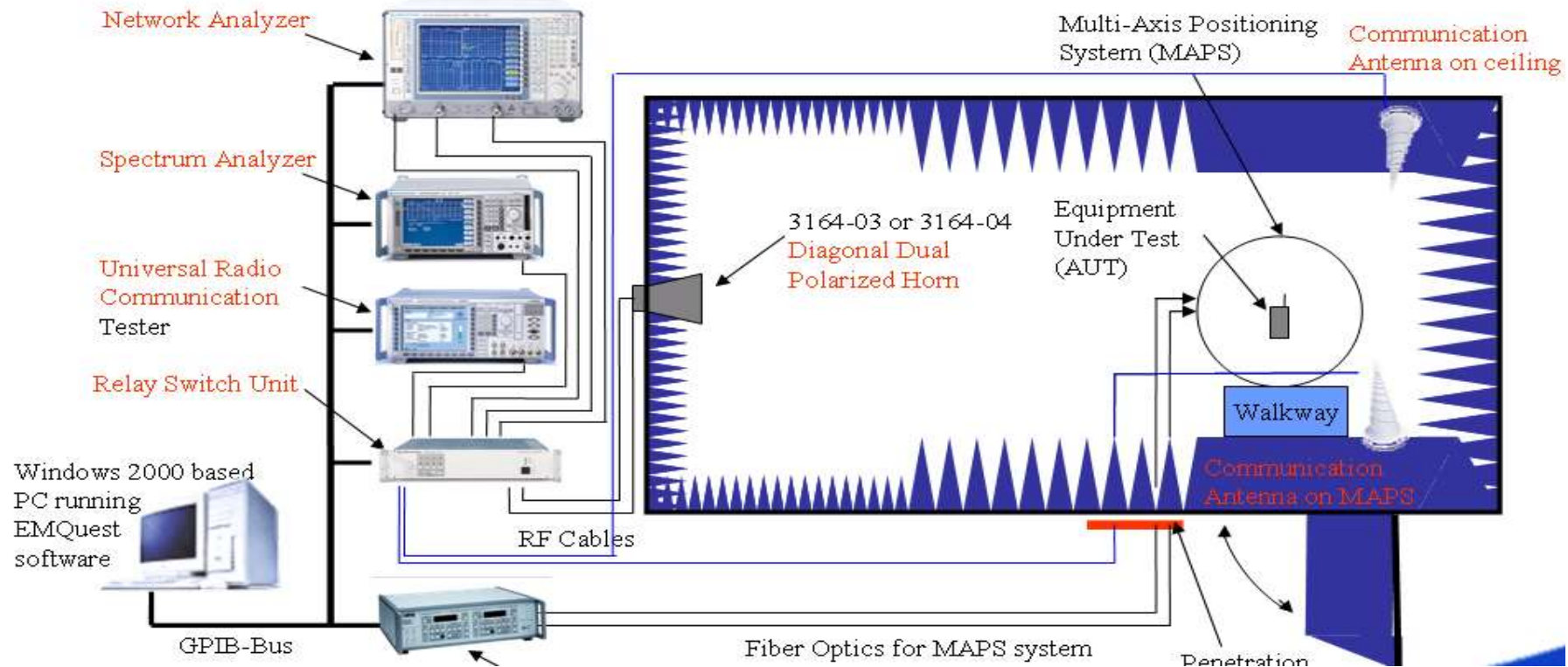
- 1、 Test Equipment
- 2、 Information
- 3、 Active test data
- 4、 Passive test data
- 5、 Wave Pattern
- 6、 2D / 3D Pattern

1、Test Setup and Equipment

Spectrum Analyzer: Agilent 8960

Network Analyzer: Agilent 8753ES

3D chamber: 7x4x3m



Spectrum Analyzer: CMW500

Network Analyzer: Agilent 5071B 3D

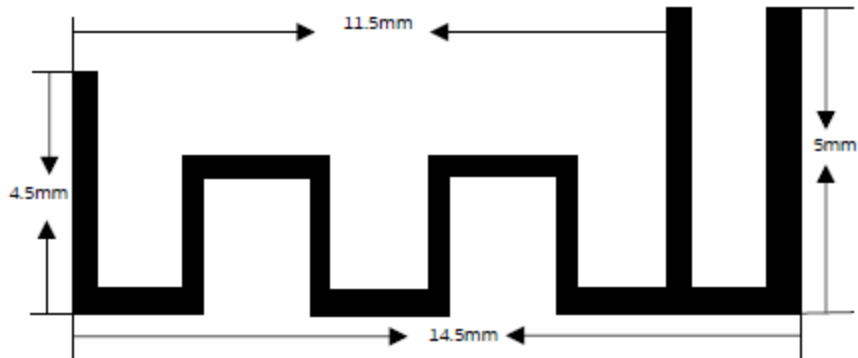
Chamber: SATIMO SG24



2、Information

Product name	PCB Antenna
Product number	QCC5181
Antenna Gain	2 dBi
Antenna Version	V1.0
Antenna Design	
Antenna Size	Refer to next page

Antenna Size:



3、 Active test data

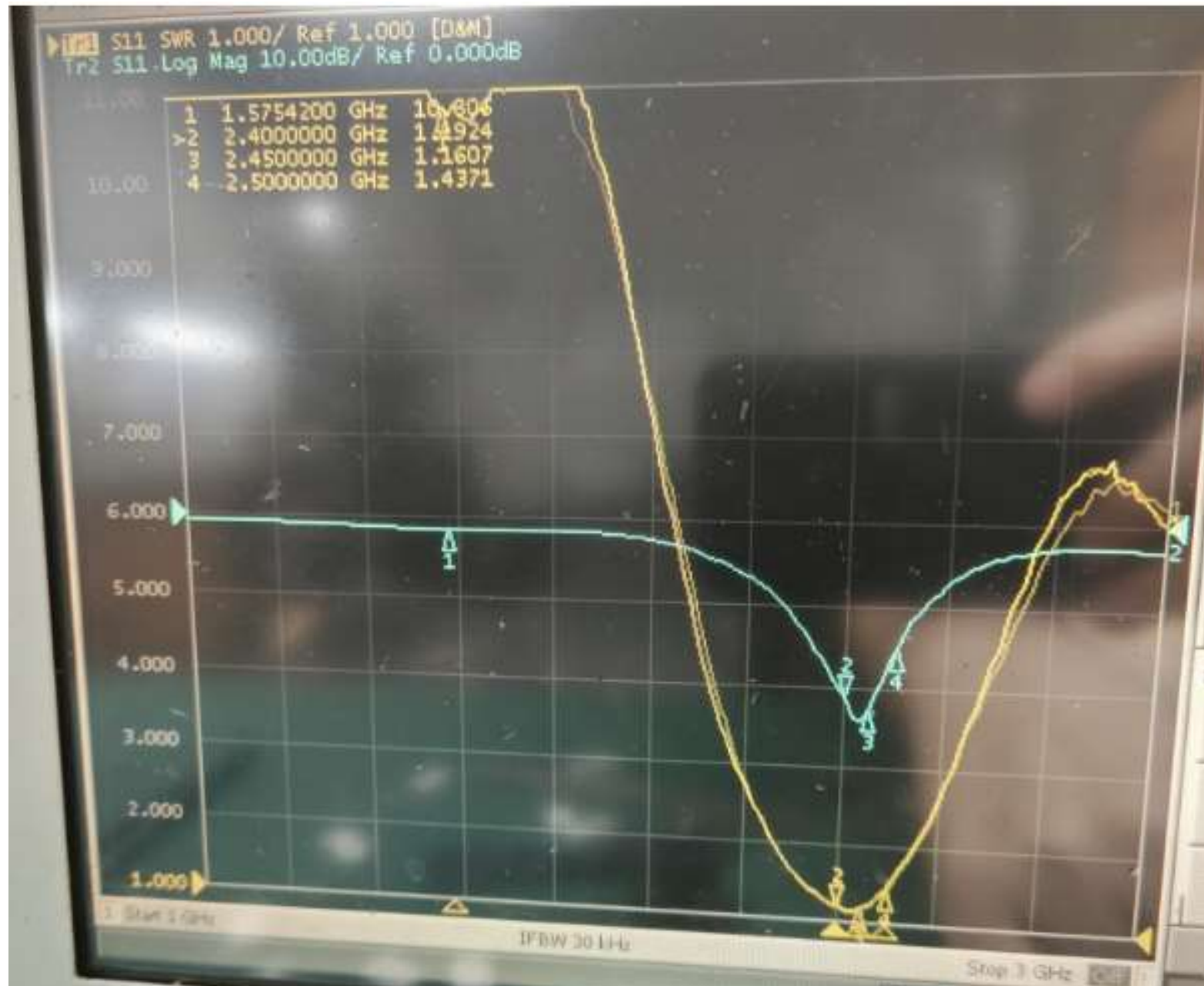
Band	Channel	TRP	TIS	Conducted power	Gain
1	1	14.81	-85.21	12.89	1.92
	7	14.89	-85.35	12.96	1.93
	13	14.92	-85.40	12.92	2
2	1				
	7				
	13				

Note: Gain = TRP - Conducted power

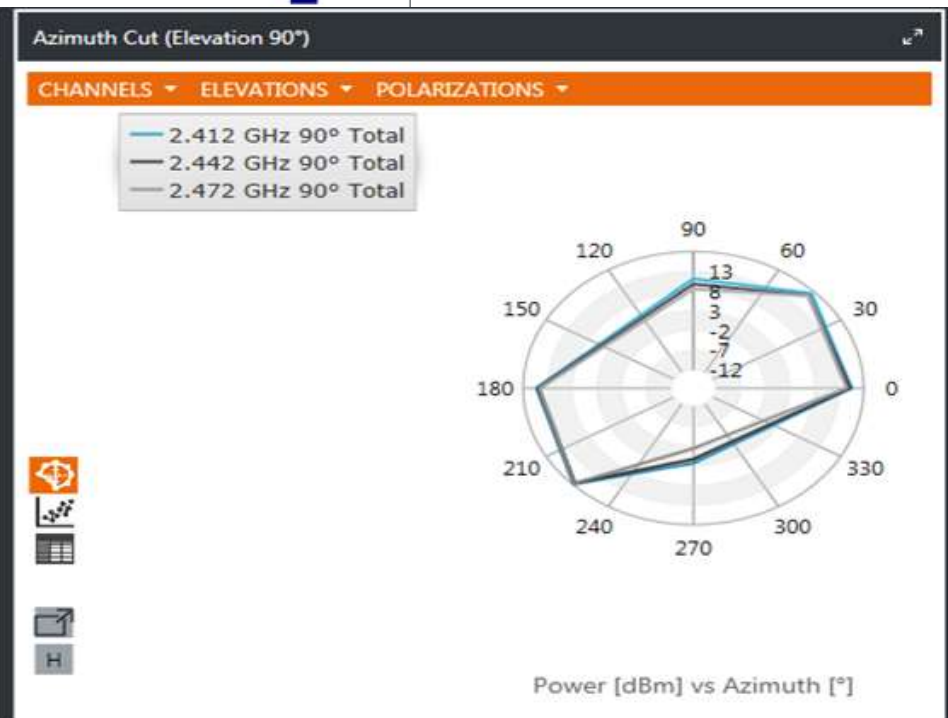
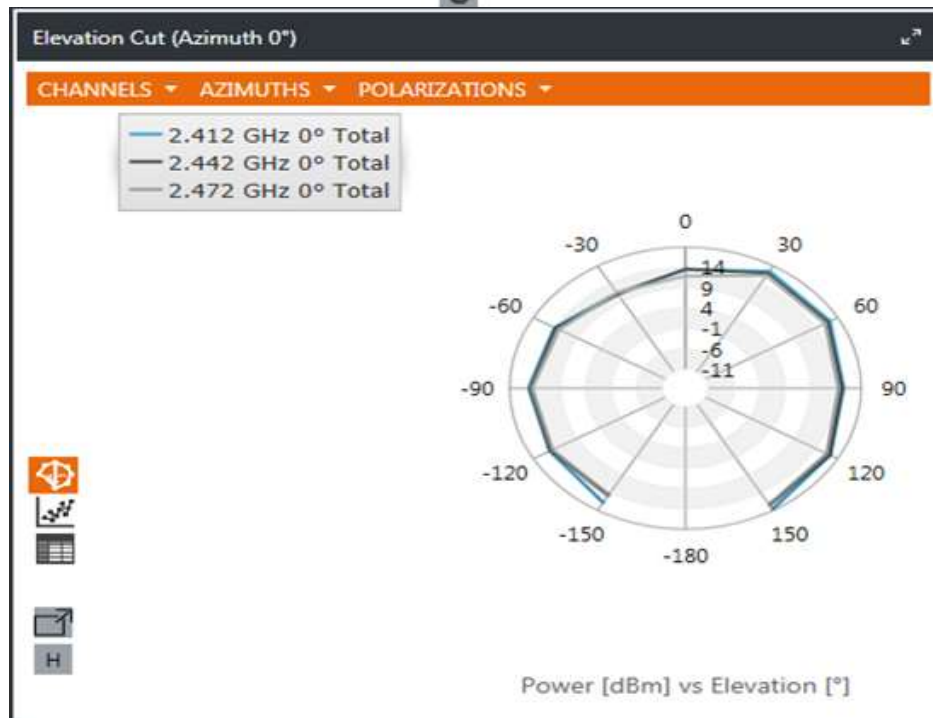
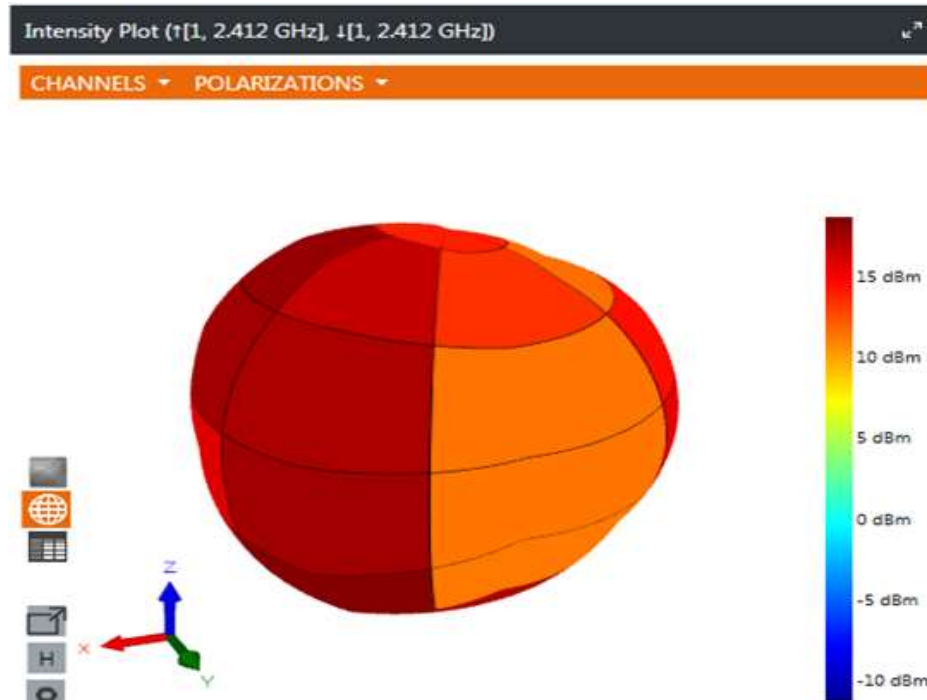
4、Passive test data

Passive Test For 2.4G Efficiency		
Frequency(MHZ)	Efficiency (%)	Efficiency . dbi
2400	53	3.55
2410	55	4.04
2420	56	4.31
2430	58	4.54
2440	58	4.76
2450	59	5.06
2460	59	4.80
2470	60	5.06
2480	60	5.24
2490	62	5.23
2500	61	5.38

5、Wave pattern



6、2D / 3D Pattern (TRP)



2D / 3D Pattern (TIS)

