



FLEX Antenna Check Sheet



FLEX Antenna Check Sheet

Date: 2022/12/8

Revision History:

Version	Date	Change Description
1.0	2022/12/8	New Release



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Antenna Specification

Ant .	Antenna Brand	Antenna. model	Antenna type	Antenna Gain (dBi)	Frequency Range (MHz)	Connector type	Cable length (cm)	Cable Loss	Remark
#1	RFlink	U00T02 S000N00 729	FPC	2.36@2.4GHz 3.57@5GHz	2400~2500 5150~5850	IPEX	6.8	X	X
#2	RFlink	U00T02 S000N00 730	FPC	3.25	2400~2500	IPEX	12	X	X



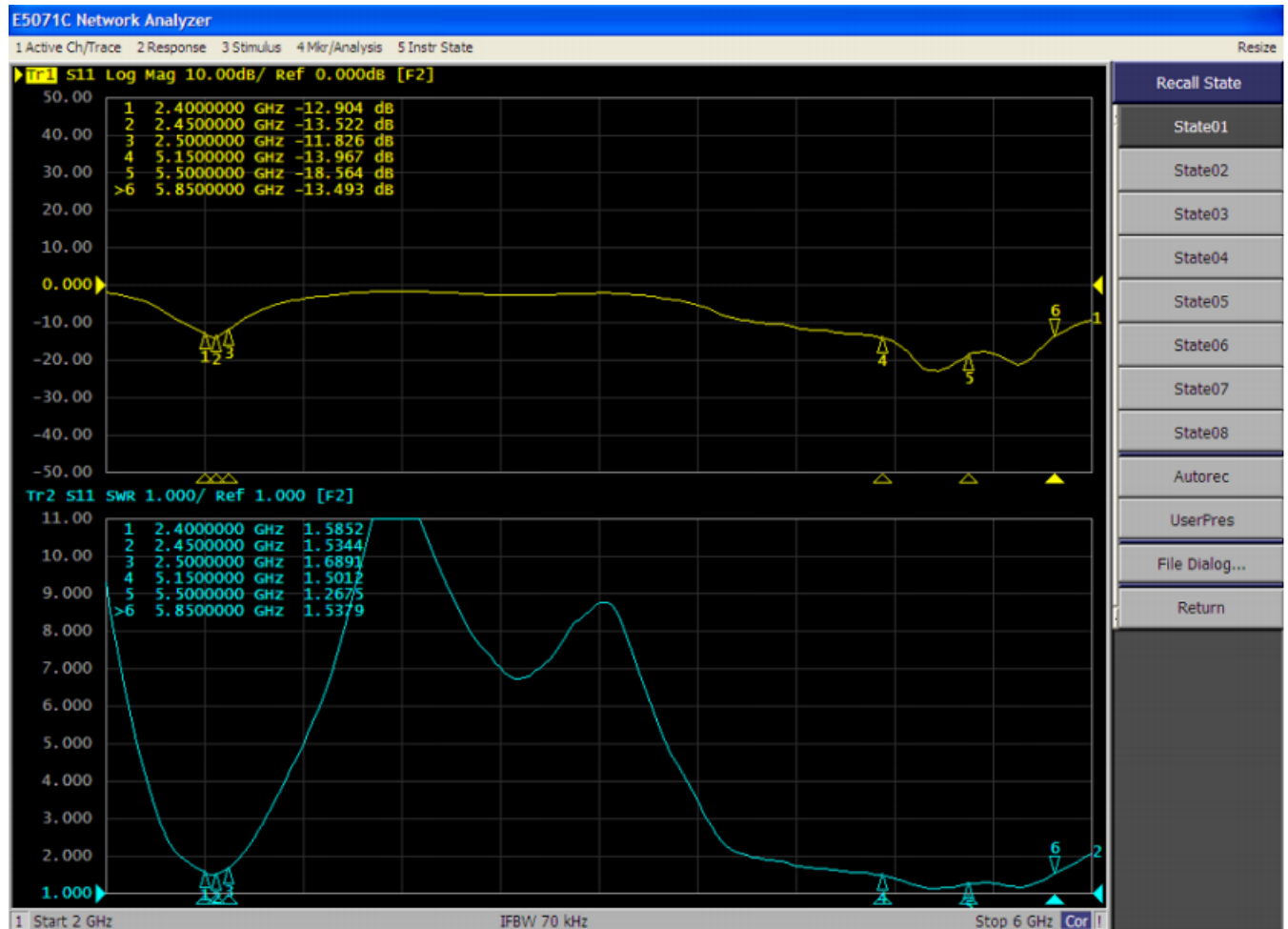
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Test Result:

Return Loss

Ant1

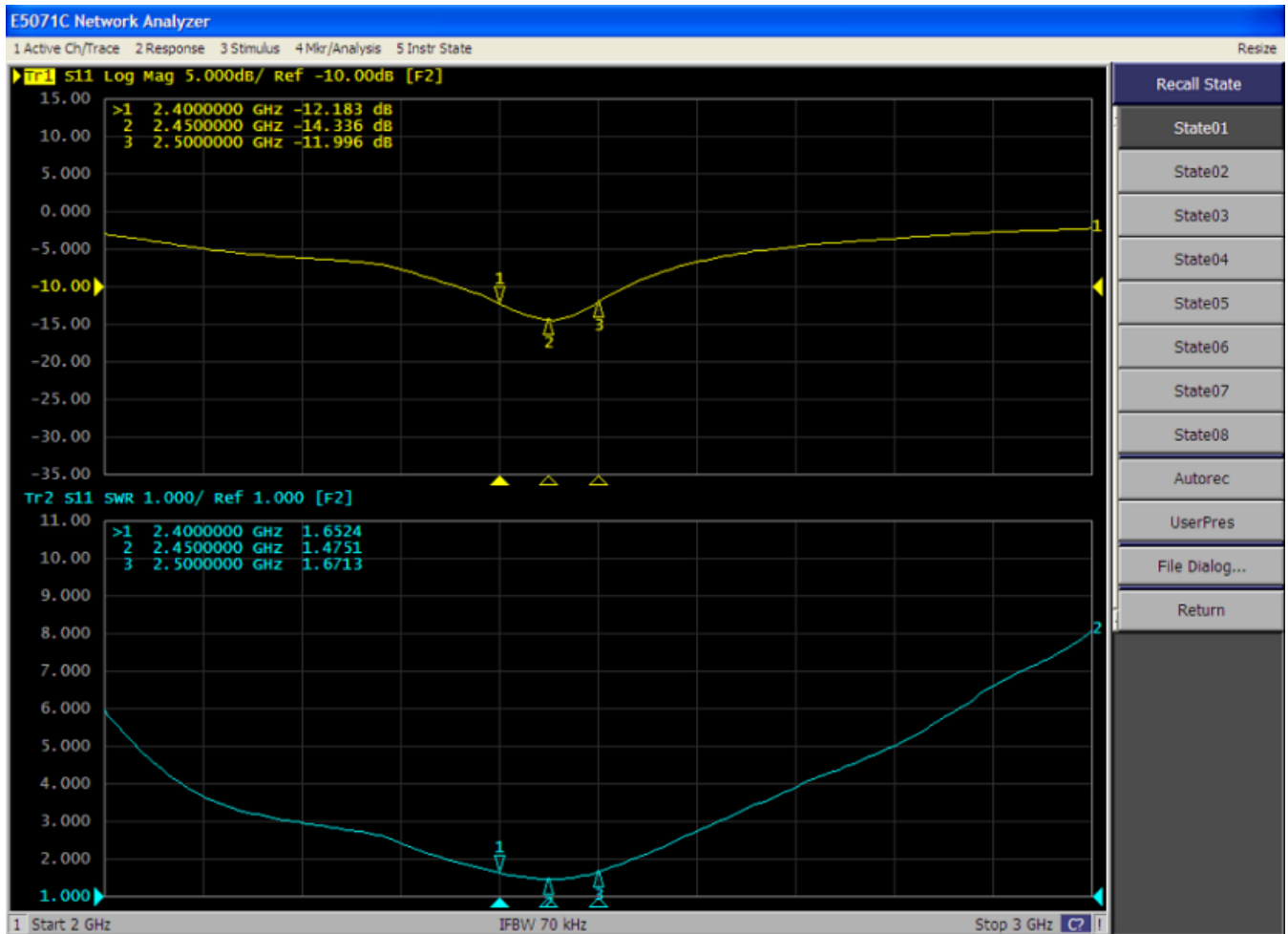




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Ant2

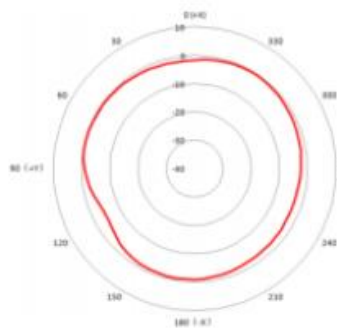


2D Radiation Patterns:

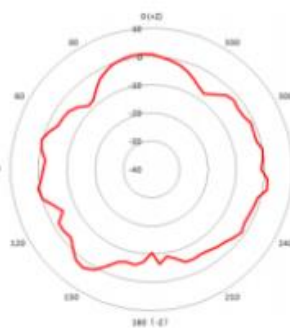
Ant1

WIFI 2.4G

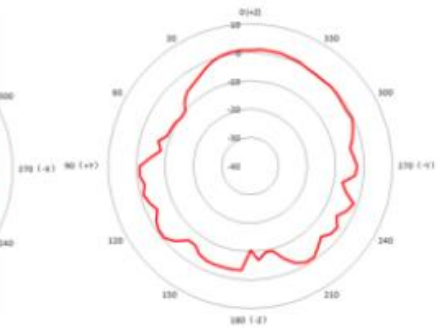
XY-Plane



XZ-Plane

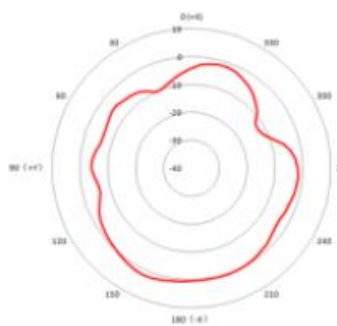


YZ-Plane

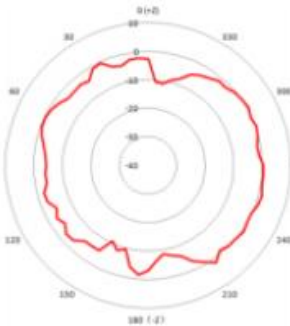


WIFI 5G

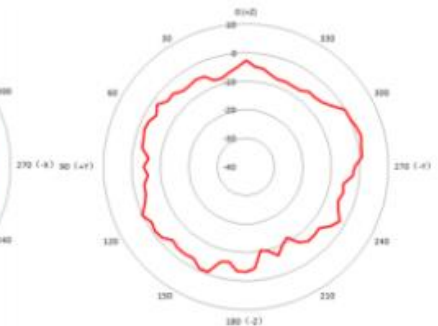
XY-Plane



XZ-Plane

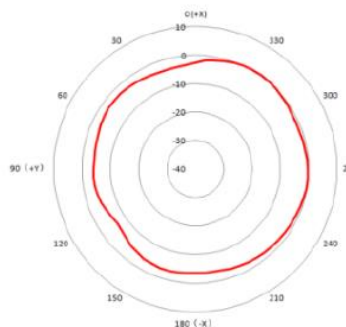


YZ-Plane

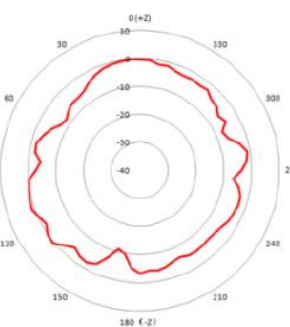


Ant2

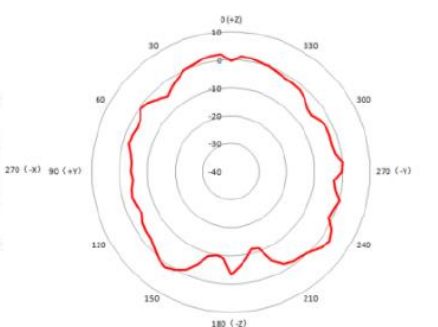
XY-Plane



XZ-Plane



YZ-Plane





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Antenna Gain Table:

Frequency(MHz)	Ant1(dBi)	Ant2(dBi)
2400	2.2	2.38
2455	2.36	3.25
2500	2.21	2.04

Frequency(MHz)	Ant1(dBi)	
5150	2.71	
5500	2.22	
5750	3.57	
5925	3.57	

Antenna Vendor information:



东莞市仁丰电子科技有限公司

Dongguan RF Electronic Technology Co., Ltd

公司地址：东莞市塘厦镇清湖头三坑工业区1号 电话：0769-38940168 传真：0769-39010966 网址：http://rflink.net.cn

Antenna Vendor：仁丰电子科技有限公司

Test date: 2022/5/31

Test Engineer: sonjun

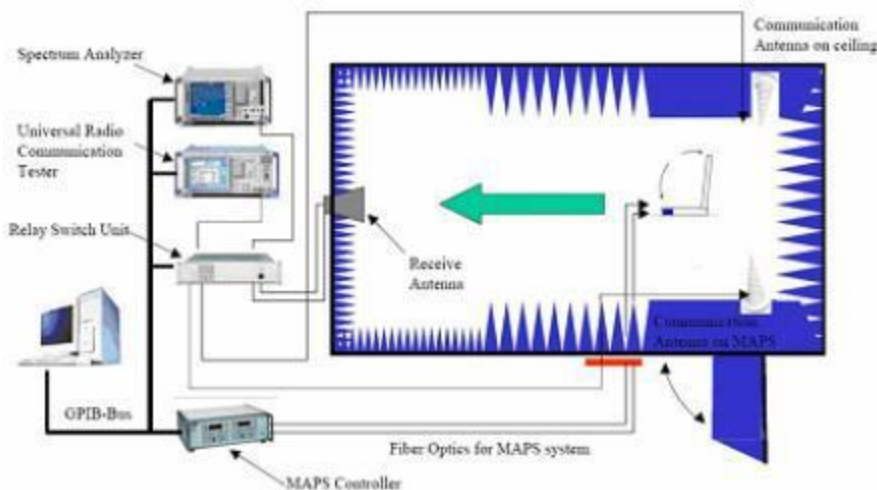
Address of test site: 东莞市塘厦镇清湖头社区三坑路 1 号

Measurement Setup:

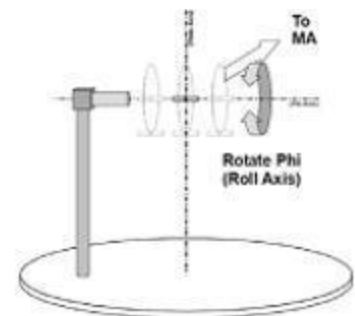
Reflection Coefficient Measurement:

-Instrument：KEYSIGHT E5071C

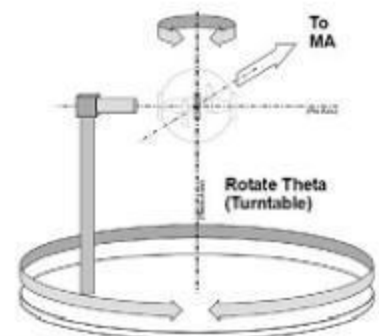
-Setup:



(Testing by 3D anechoic chamber)



Phi axis test



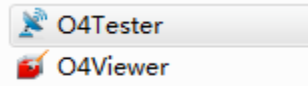
Theta axis test

Pattern Measurement:

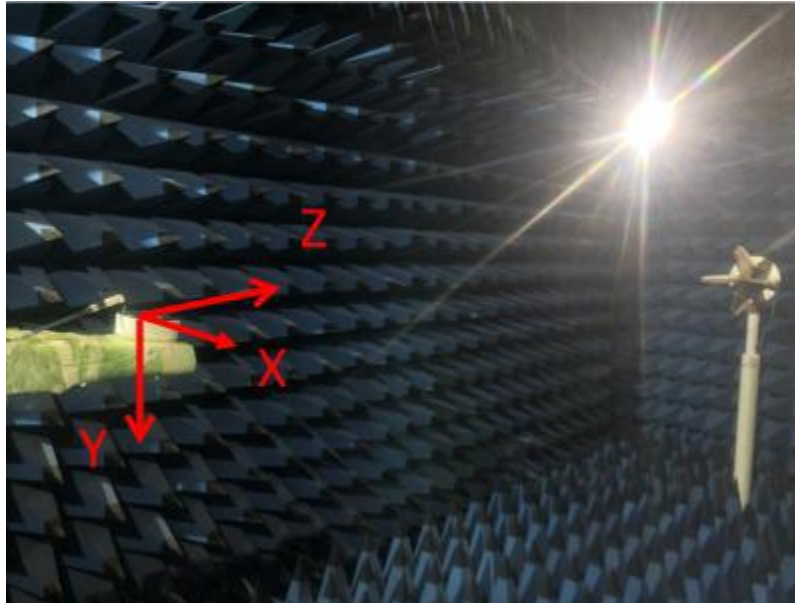
-Chamber :

欧铎科技有限公司(OTA technology Co.,ltd) 6X3X3(m) 3D chamber

-Test Program:



-Setup Photo:



The antenna gain of the antenna model:

U00T02S000N00729 : [2.36@2.4GHz](#) , [3.57@5GHz](#)

U00T02S000N00730 FPC [3.25@2.4GHz](#)

Test instrument calibration information:

Vendor	Model	Calibrated Date	Calibrated Until
KEYSIGHT	E5071C	2021.12.6	2022.12.6