



Antenna Test Report

Customer	FJDYNAMICS
Project	R2119
Antenna Revision	A1
Prepared by	15993920520
Checked by	17279710721
Date	2024. 07. 02



Purpose

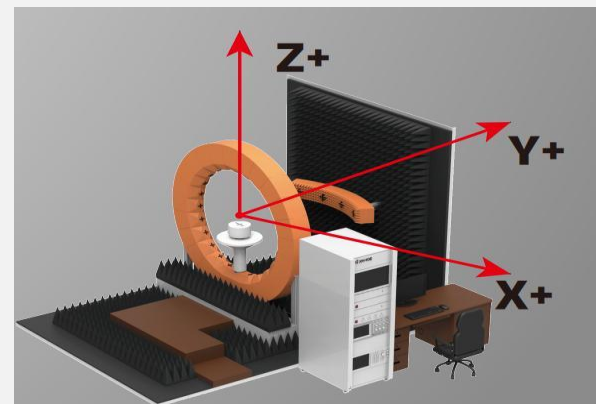
This report is to measure the performance of antenna for **R2119** The antenna operating frequency at 902-928MHZ, All test data are showed as below.

Content

1. Test system
2. Product Overview & Dimension
3. OTA Data

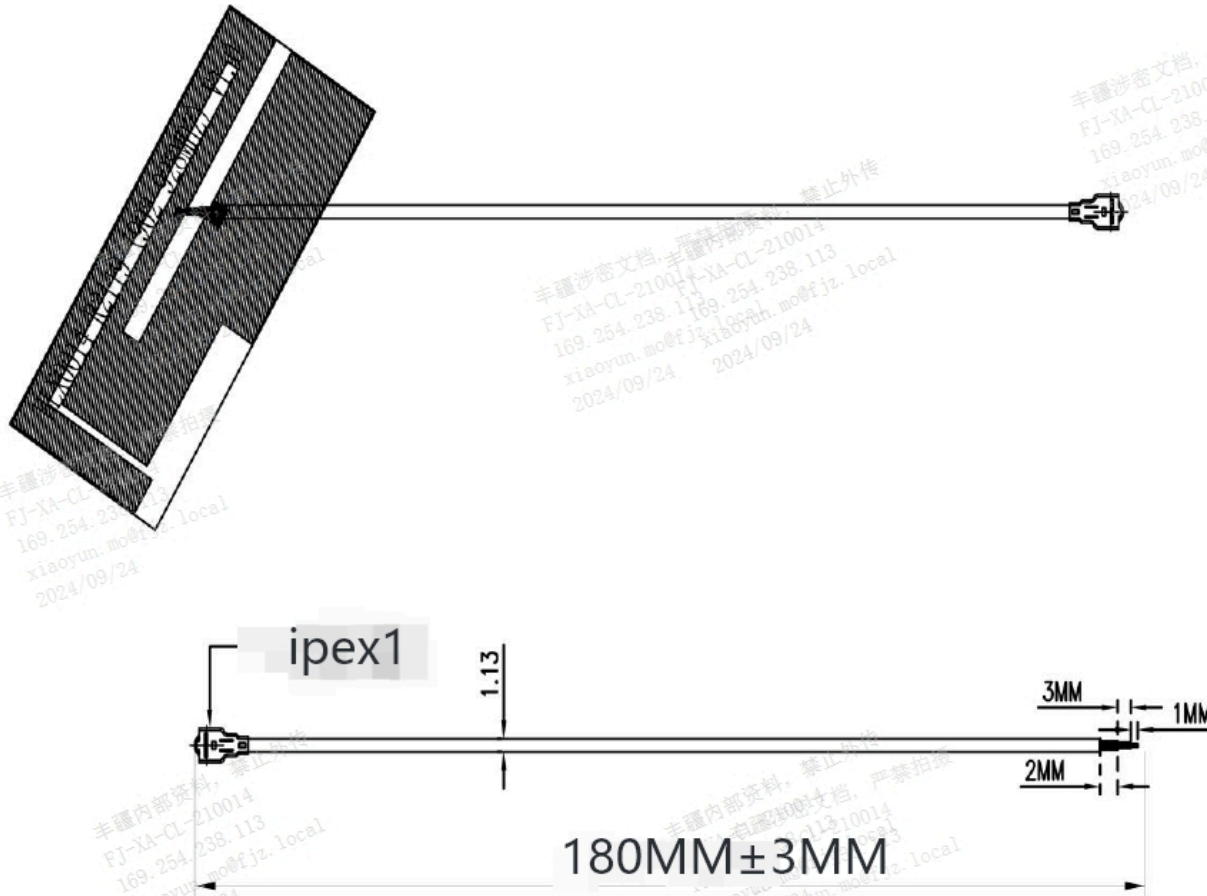
1. Test System

Sequence Number	Test Item	equipment
S parameter	VSWR	Agilent 5071C & Agilent 5071B
OTA Test	TRP&TIS	Agilent 8960 & CMW500 STIMO
Gain & Efficiency	Gain & Efficiency	SATIMO Agilent 5071C

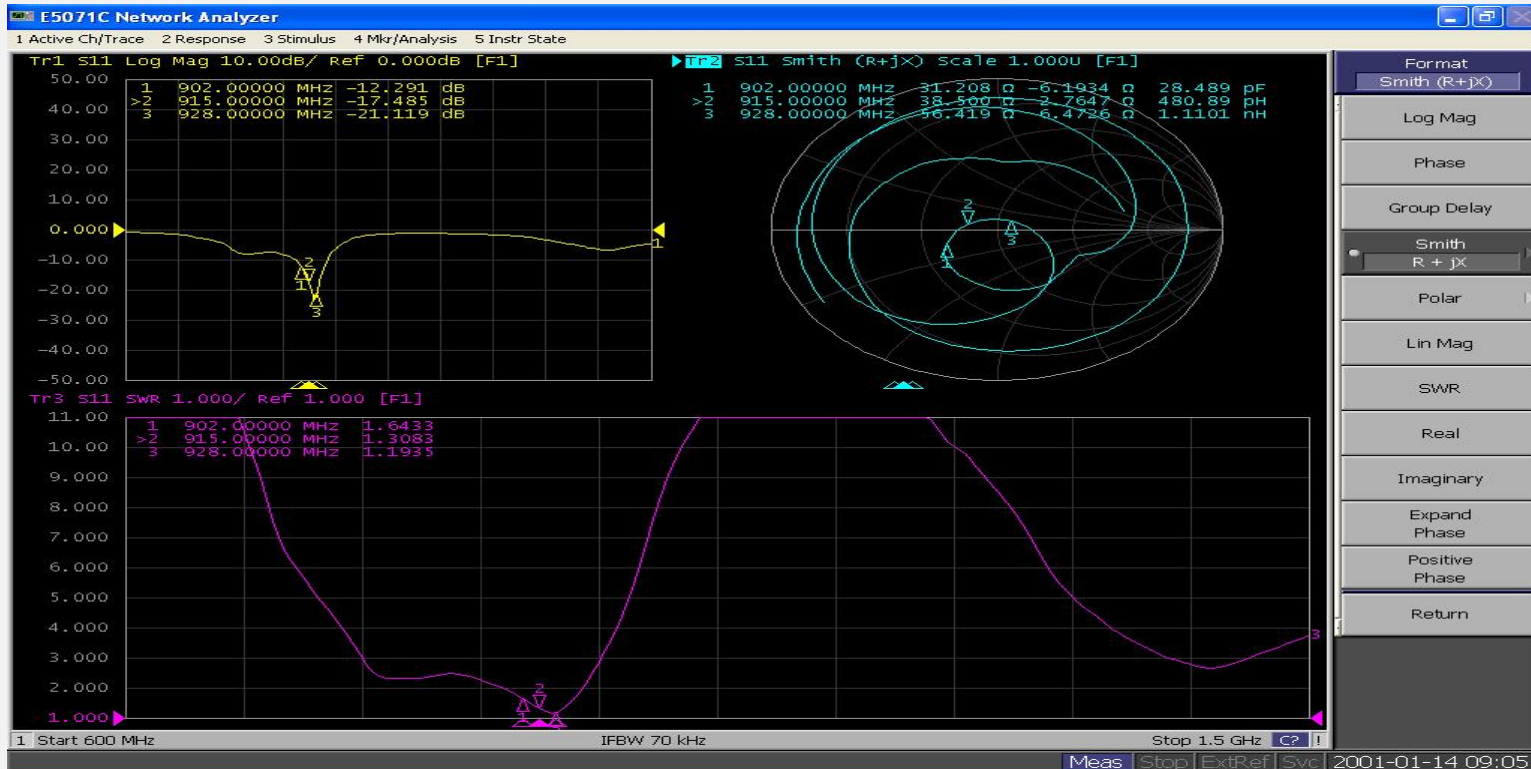




The size of Antenna



3. Test Result VSWR&Log Mag&Smith(Ω)



Frequency (MHz)	902	915	928
Log Mag	-12.3	-17.5	-21.1
Smith(Ω)	31.2	38.5	56.4
VSWR	1.6	1.3	1.2



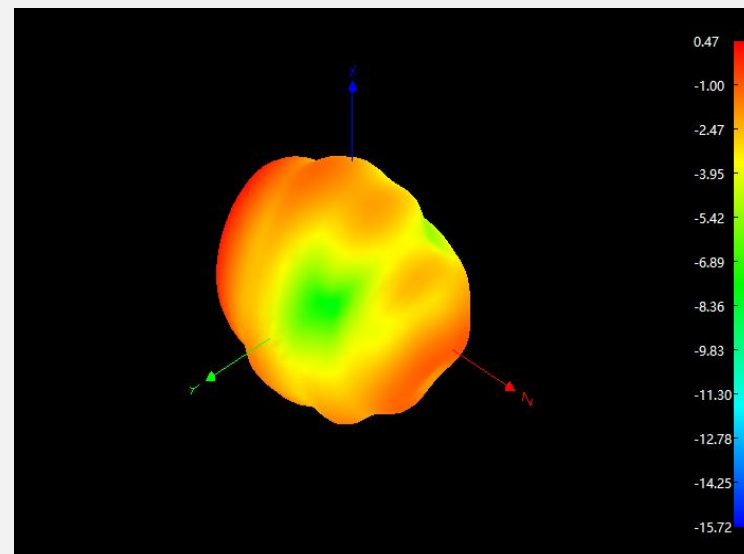
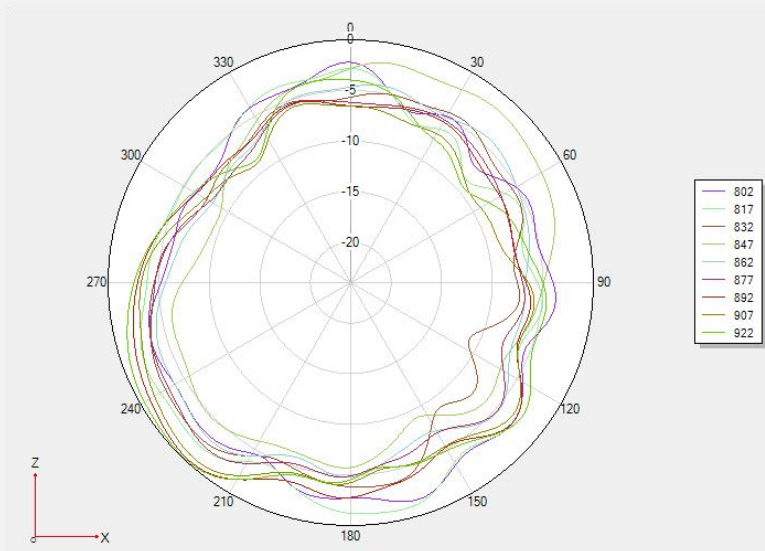
3. Test Result

3.2 Gain & Efficiency—**ANT**

Frequency (MHz)	Efficiency (%)	Max GAIN (dBi)
802	32.4	0.47
832	33.7	0.59
862	34.8	0.58
892	35.6	0.21
922	36.1	0.77
928	36.7	0.68

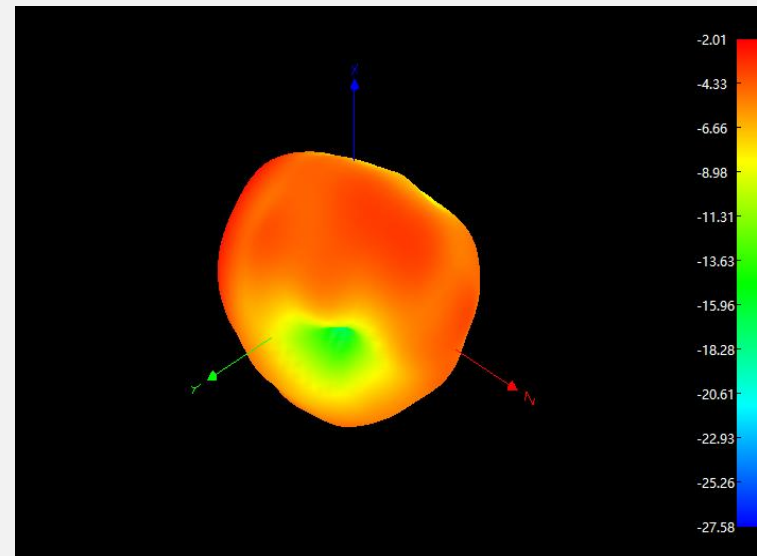
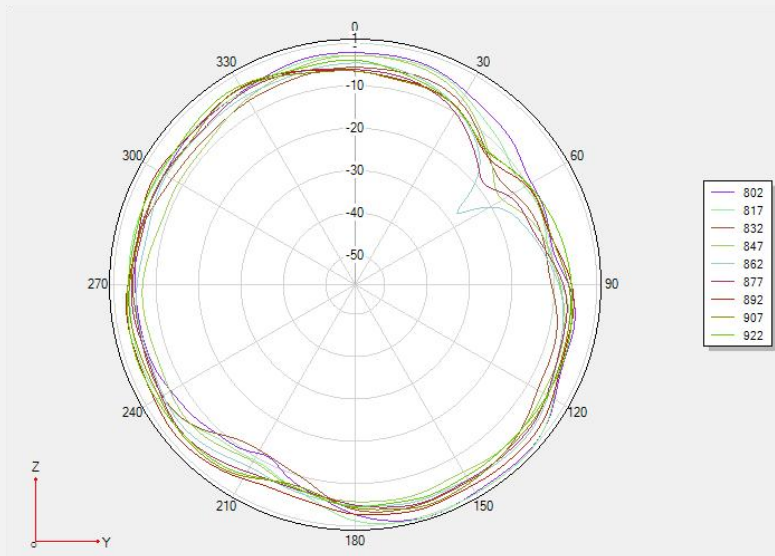
3. Test Result

3.3 2D Pattern — BT ANT



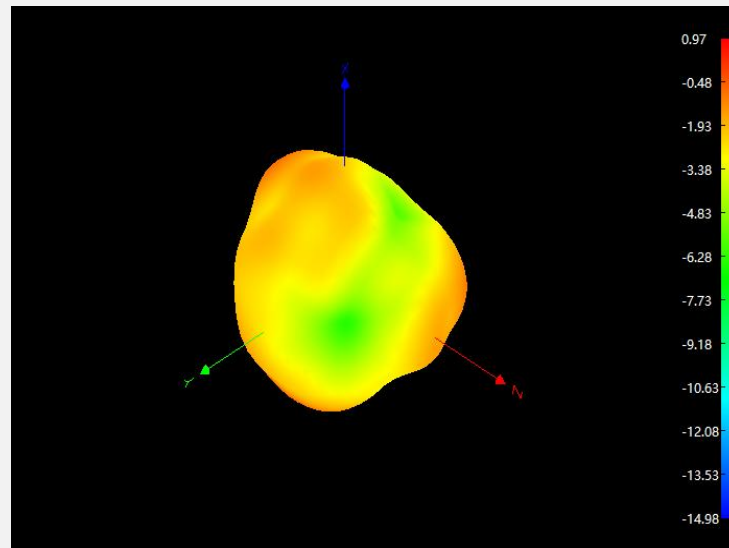
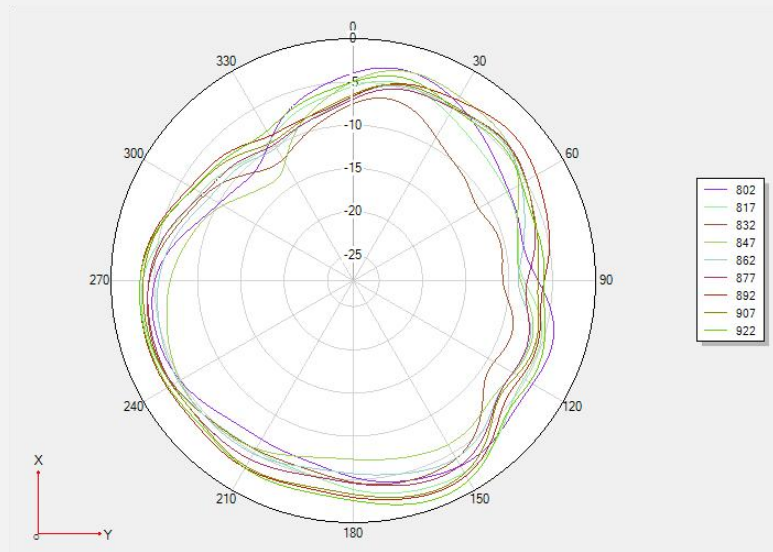
3. Test Result

3.3 2D Pattern — BT ANT



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3.3 2D Pattern — BT ANT





Thank you!