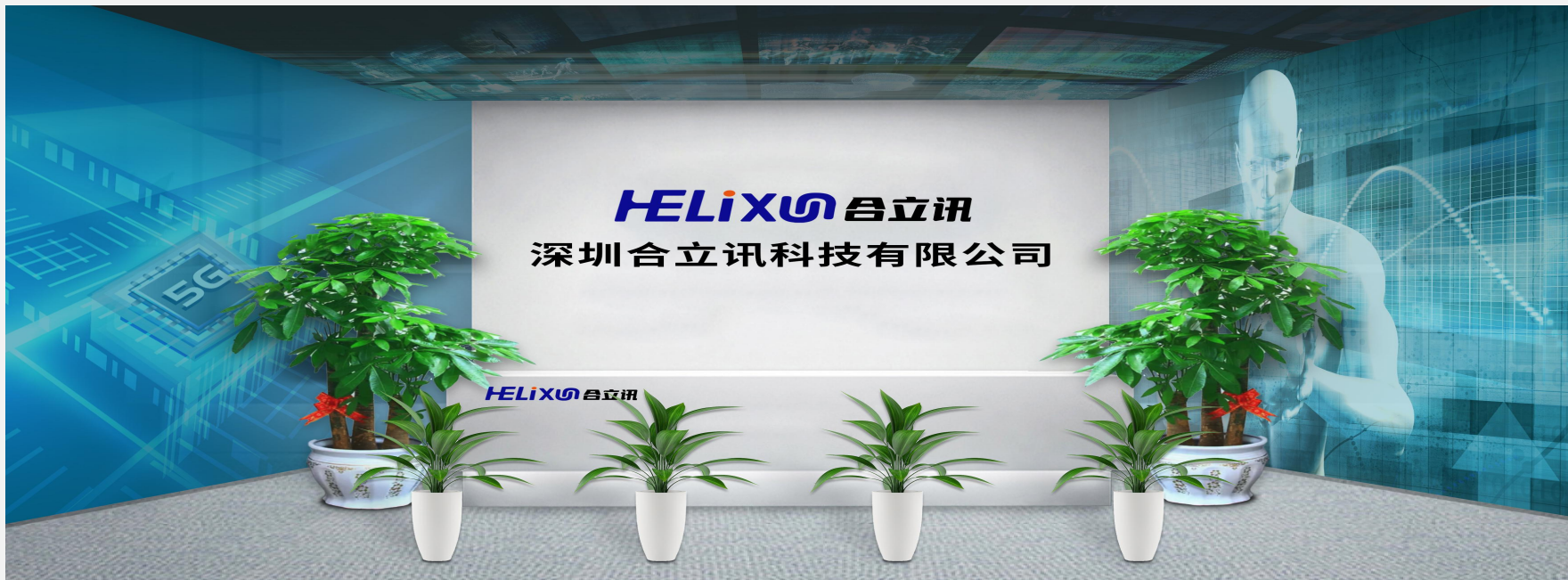


Antenna Test Report



Customer	长音电子
Project	胶棒天线
Antenna Revision	A0
Prepared by	15993920520
Checked by	17279710721
Date:	2023. 06. 21

Purpose

This report is to measure the performance of antenna for 胶棒天线 The antenna operating frequency at 820-960MHz All test data are showed as below.

Content

1. est system
- 2.Product Overview Dimension
3. Test Result
 - 3.1 S11 Parameter
 - 3.2 Gain & Efficiency
 - 3.3 2D Pattern

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

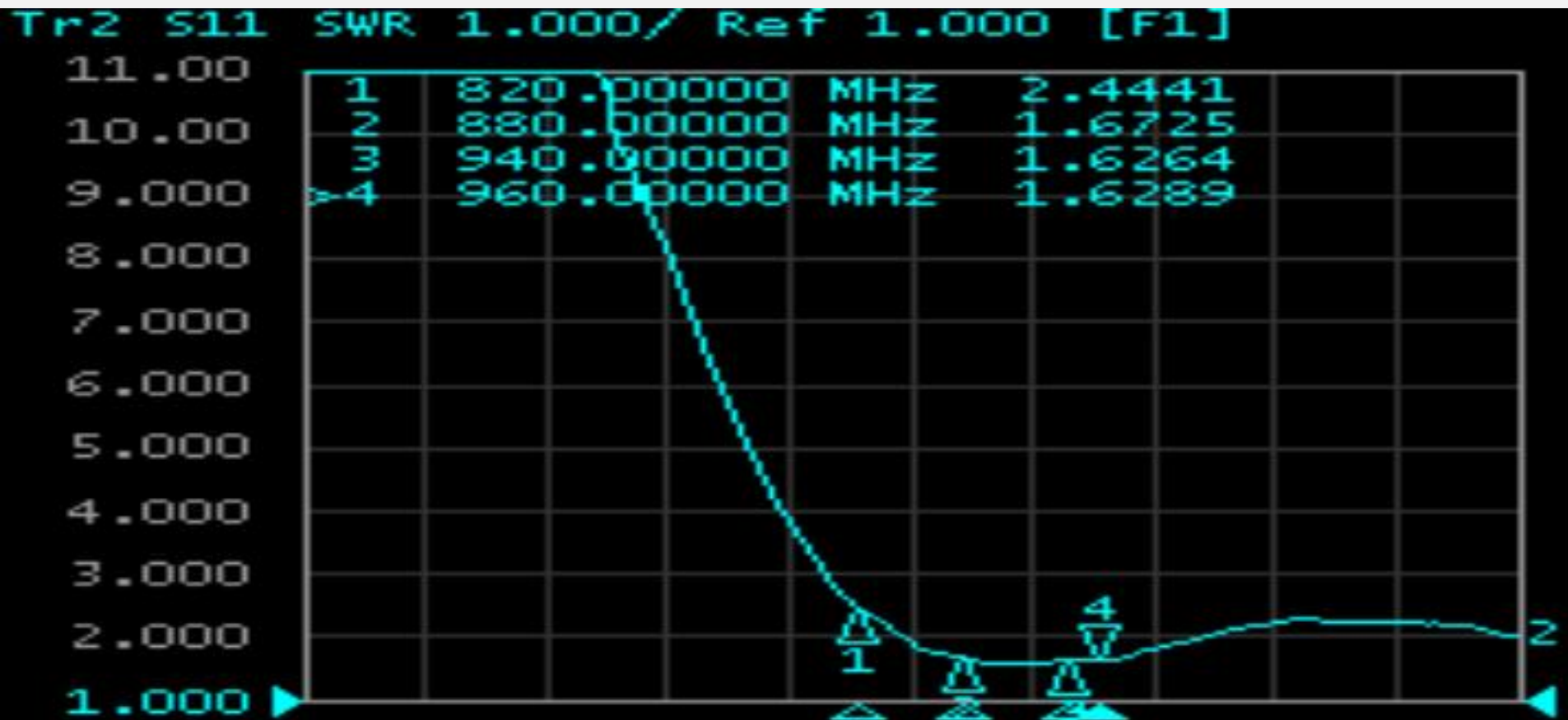


2.Product Overview & Dimension



3.Test Result

3.1 S11 Parameter-VSWR



requeency (MHz)	820	880	940	960
VSWR	2.44	1.67	1.62	1.62

3. Test Result

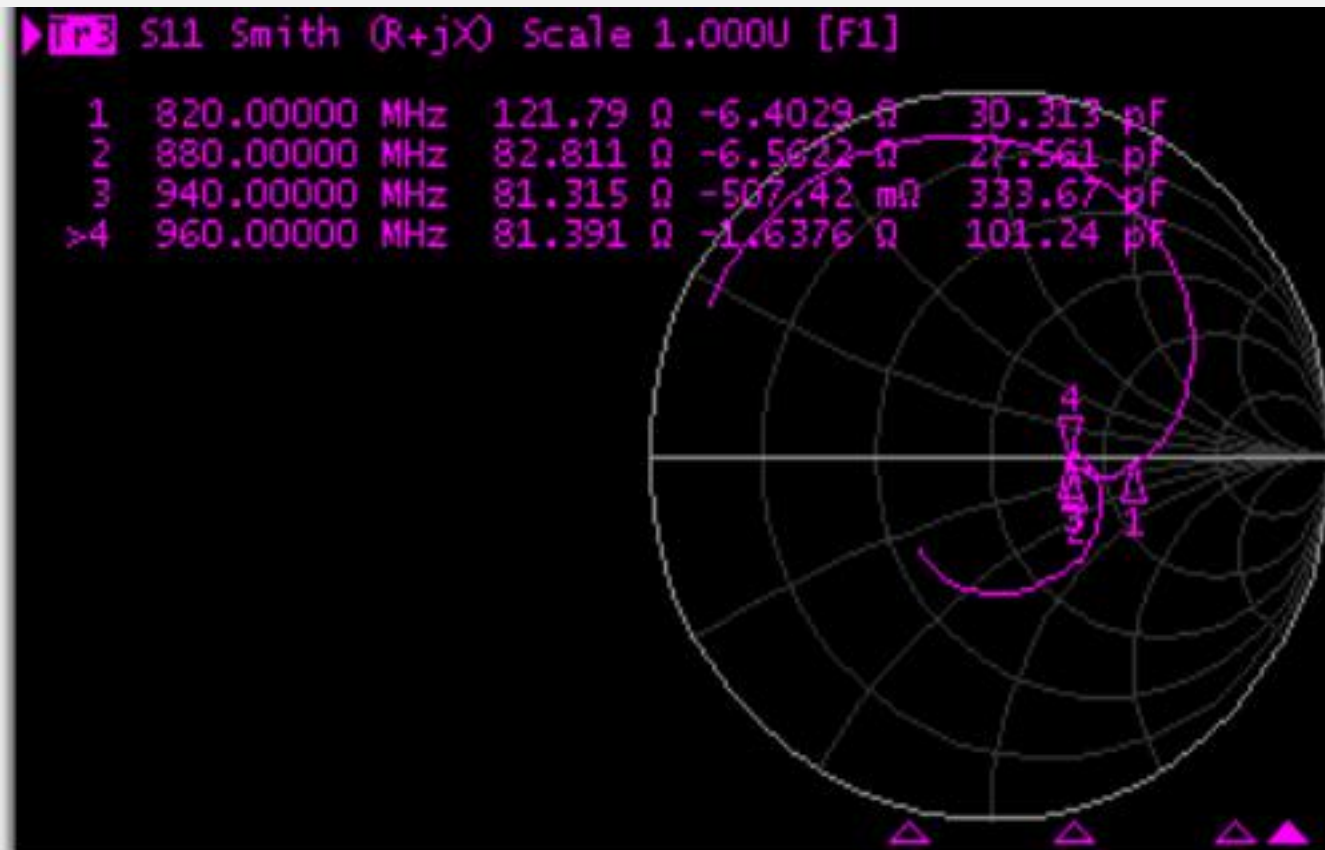
3.1 S11 Parameter-Log Mag



Frequency (MHz)	820	880	940	960
Log Mag	-7.55	-11.98	-12.45	-12.42

3.Test Result

3.1 S11 Parameter-Smith



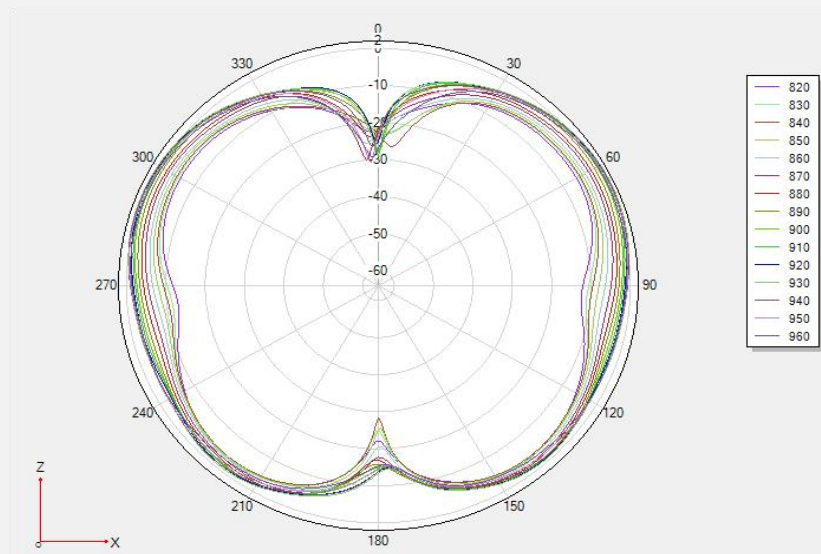
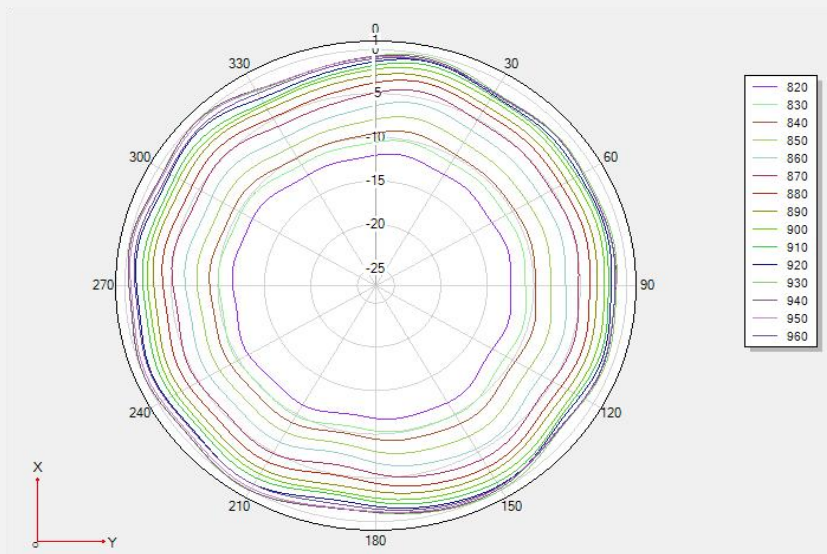
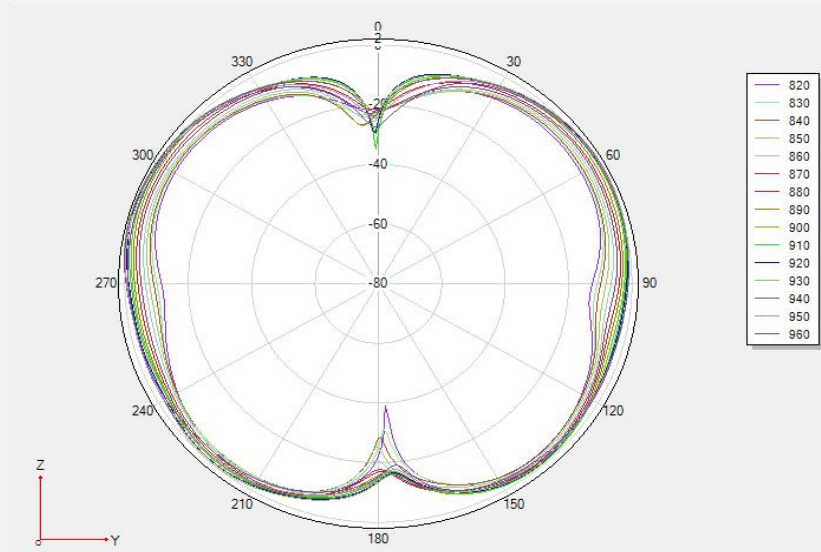
Frequency (MHz)	820	880	940	960
Smith(Ω)	121.79	82.81	81.31	81.39

3.Test Result 3.2 Gain & Efficiency——ANT

Frequency (MHz)	Efficiency (%)	Max GAIN (dBi)
820	25.52	-1.93
830	25.14	-1.84
840	28.53	-1.11
850	29.64	-2.41
860	31.19	-1.47
870	36.98	-0.83
880	44.06	-0.54
890	50.12	-0.11
900	56.36	0.58
910	60.81	0.99
920	66.07	1.31
930	64.29	1.86
940	64.28	1.61
950	64.31	1.12
960	63.45	0.81

3. Test Result

3.3 2D Pattern — BT ANT



Thank you!