



902-928MHz Antenna Test Report

Project	LC03
Antenna Revision	A0
Prepared by	GUOXI 18970988655
Checked by	GUOXI 18970988655
Date:	2026. 07. 01

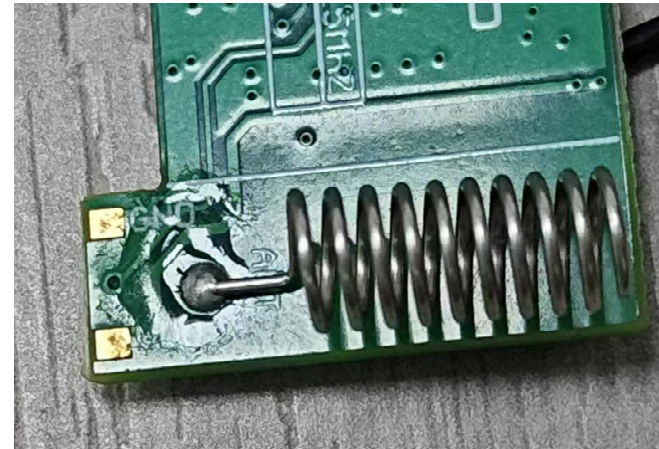


Purpose

This report is to measure the performance of 902-928MHz antenna for SW-R05-L. The antenna operating frequency at 902-928MHz.

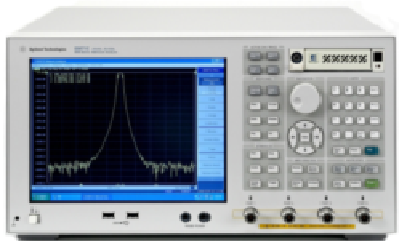
1. Antenna

Antenna

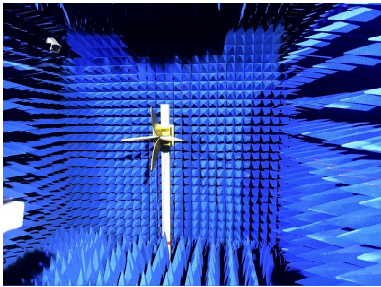


2.Test System

Sequence Number	Test Item	equipment
S parameter	VSWR	Agilent E5071B & Agilent E5071B
OTA Test	TRP&TIS	Agilent 8960 & CMW500
Gain & Efficiency	Gain & Efficiency	Agilent E5071B



Agilent E5071B

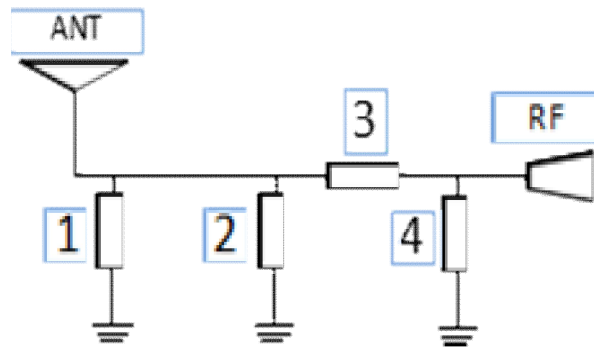


Agilent 8960



CMW 500

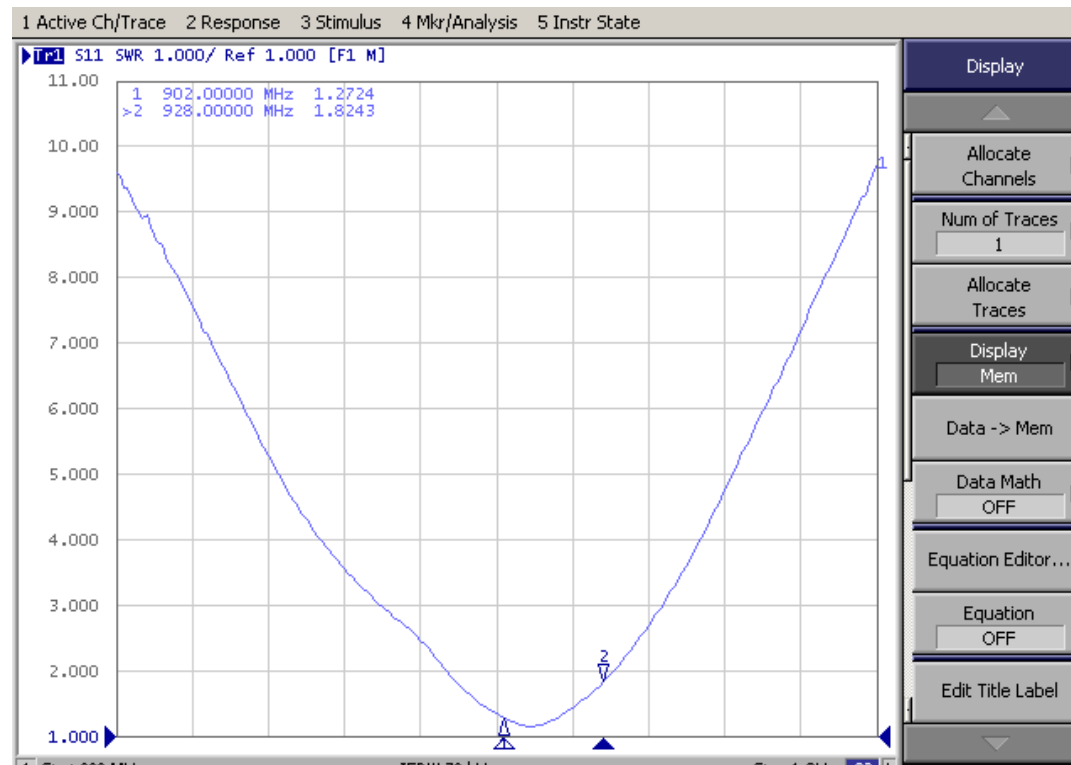
3. Antenna Matching Network



Element	Capacitor	Inductor	Electric resistance
1	N/A	N/A	N/A
2	N/A	N/A	N/A
3	N/A	N/A	N/A
4	N/A	N/A	N/A

4. Test Result

4.1 S11 Parameter-VSWR



Frequency(MHz)	902	928
VSWR	1.27	1.82

4. Test Result

4.2 Gain & Efficiency

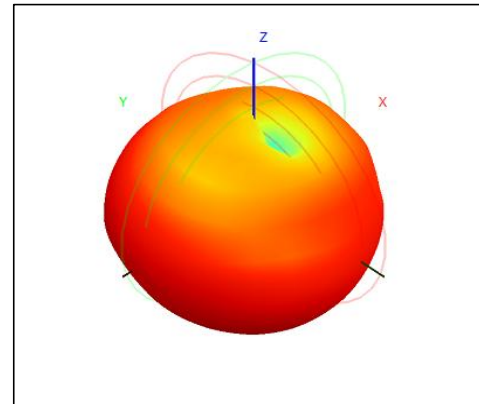
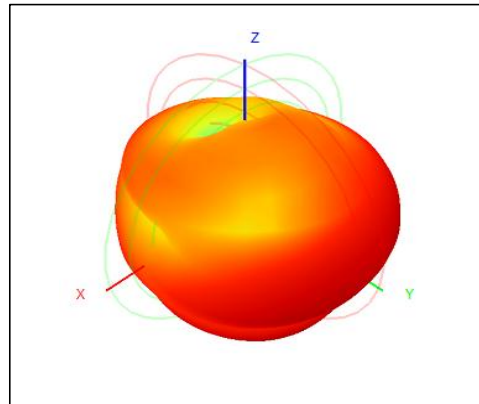
Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
902	21.67	-2.40
904	21.28	-2.47
906	20.80	-2.56
908	20.33	-2.65
910	19.92	-2.74
912	19.63	-2.80
914	19.22	-2.88
916	18.53	-3.03
918	17.53	-3.27
920	16.38	-3.57
922	15.05	-3.94
924	13.93	-4.28
926	13.08	-4.57
928	12.50	-4.77

4. Test Result

4.3 3D Pattern

902MHz

3D

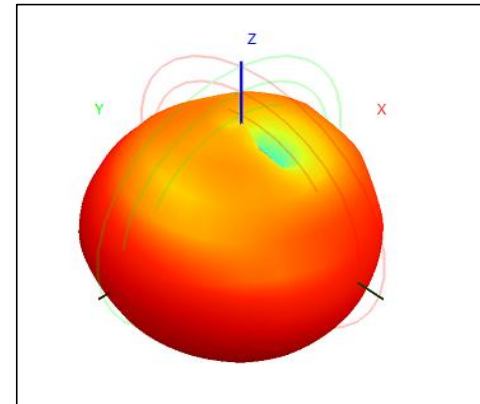
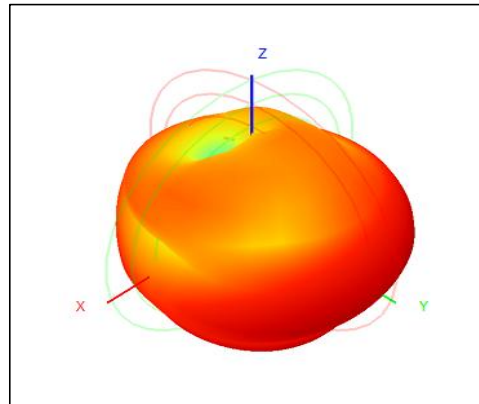


4. Test Result

4.3 3D Pattern

916MHz

3D

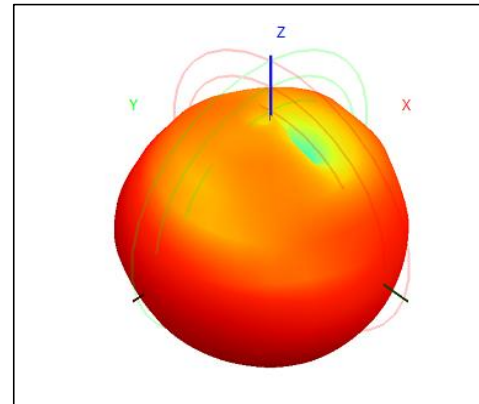
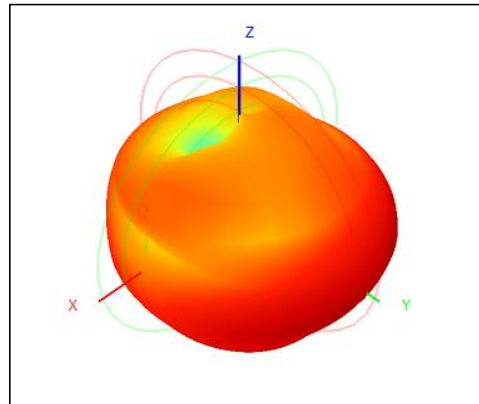


4. Test Result

4.3 3D Pattern

928MHz

3D





5. Conclusion

From the perspective of our active testing, the current performance is satisfactory. We would appreciate it if your team could promptly inform us of any other matters that may require attention

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