

Antenna Test Report



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Purpose

This report is to measure the performance of antenna for **LR03**.The antenna operating frequency at 868/915MHz, All test data are showed as below.

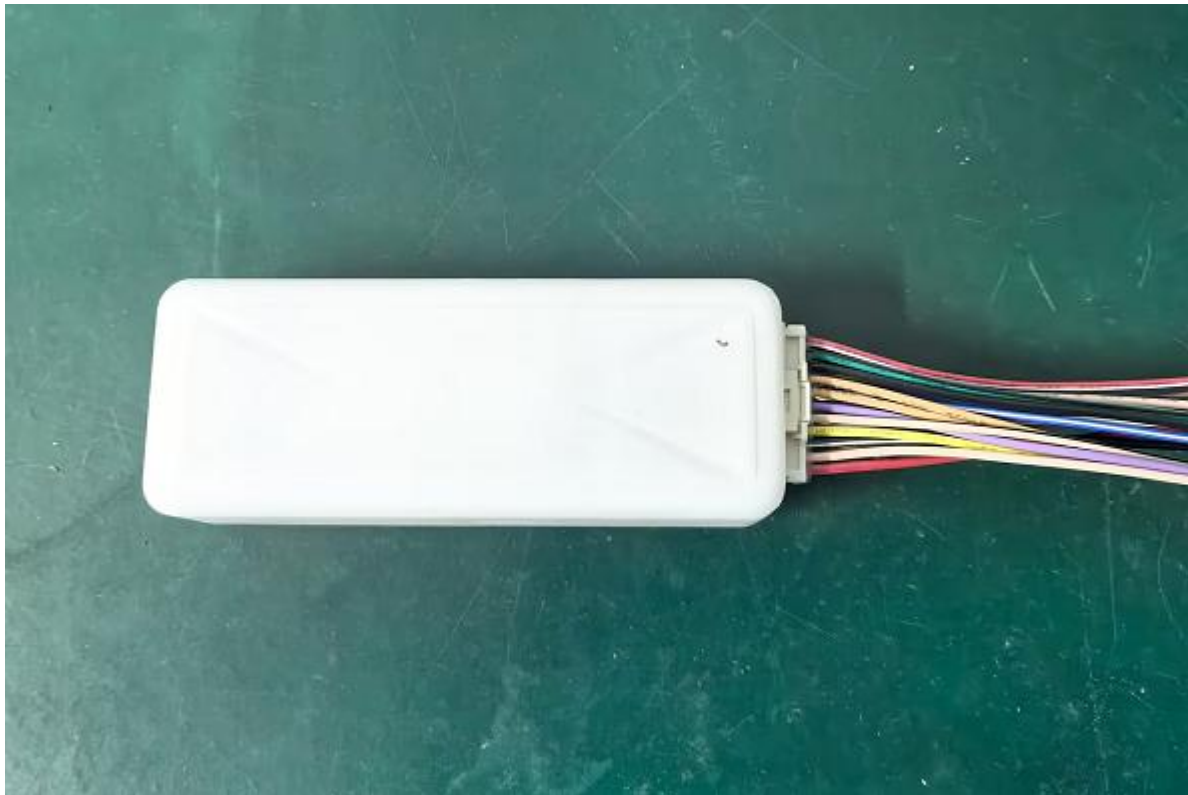
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1.Revised History

Released Date	Version	Record
2025.12.26	v1.0	FPC样品天线

2.Product Overview & Dimension

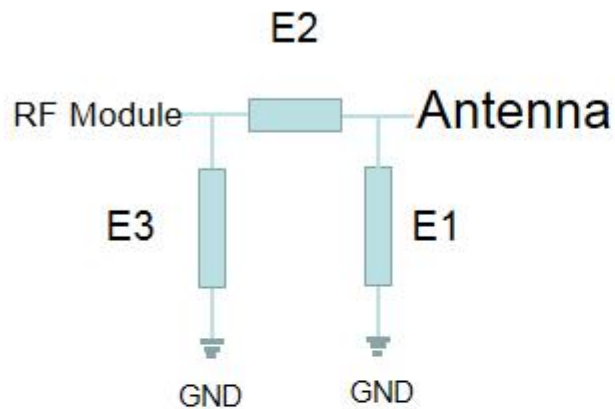


3. Test System

Sequence Number	Test Item	equipment
S parameter	VSWR	Agilent 5071C & Agilent 5062A
OTA Test	TRP&TIS	Agilent 8960 E5515C& Agilent 4438C&CMW500 &CMW270 ETS&SATIMO
Gain & Efficiency	Gain & Efficiency	ETS&SATIMO Agilent 5071C



4. Antenna Matching Network

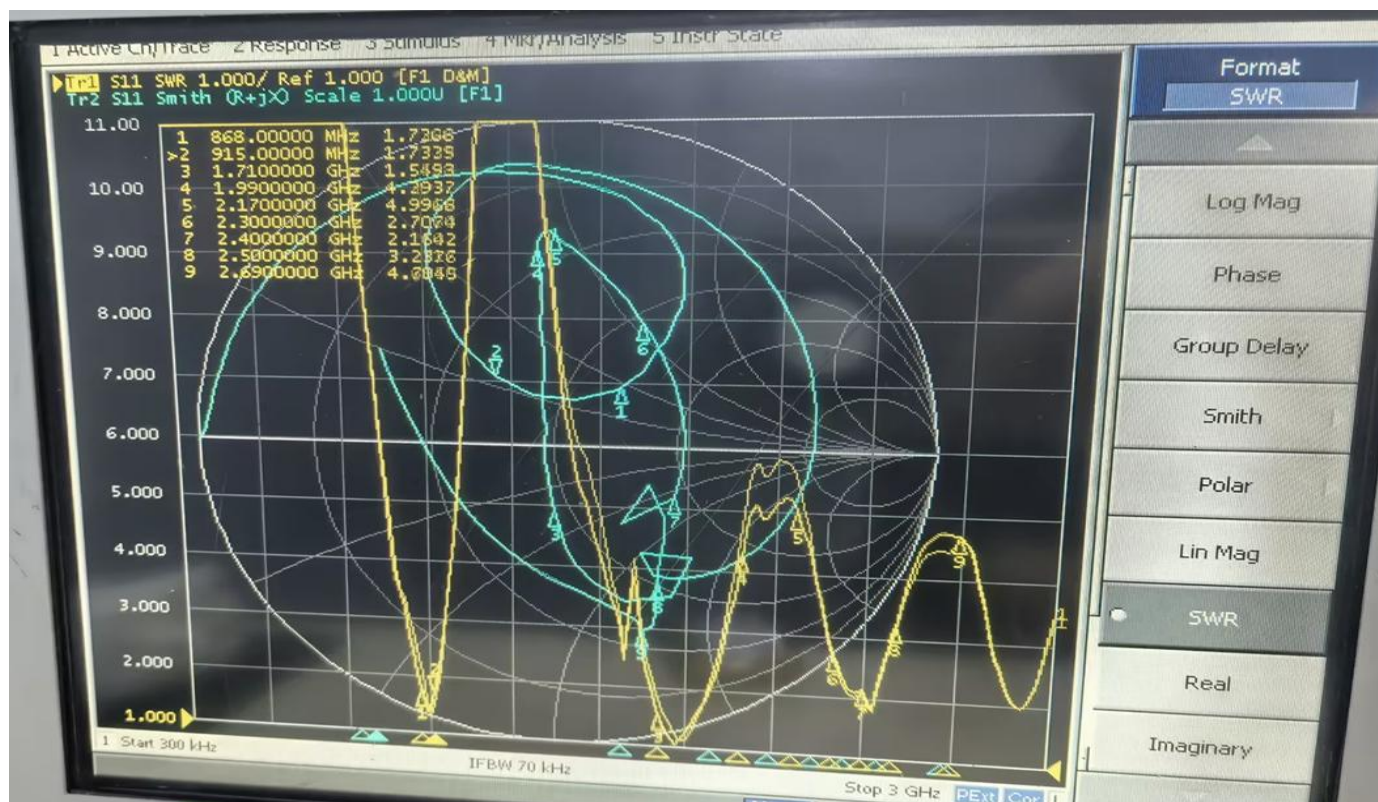


Element	Value
E1	6.8NH
E2	0欧姆
E3	N/A

PCB板端匹配电路有改动

5. Test Result

5.1 S11 Parameter-VSWR



Frequency	868	915
VSWR	1.72	1.73

5. Test Result

5.2 Gain & Efficiency——**ANT**

Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
860	42.41	0.39
870	44.44	1.03
880	42.36	1.04
890	42.77	1.31
900	41.63	1.34
910	42.75	1.46
920	43.91	1.57
930	40.22	0.53

Thank you !

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