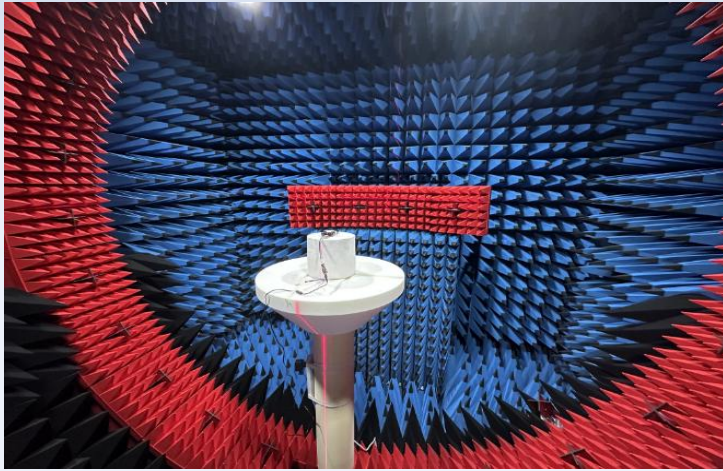


Shenzhen Chaoyuan Technology Co., Ltd.

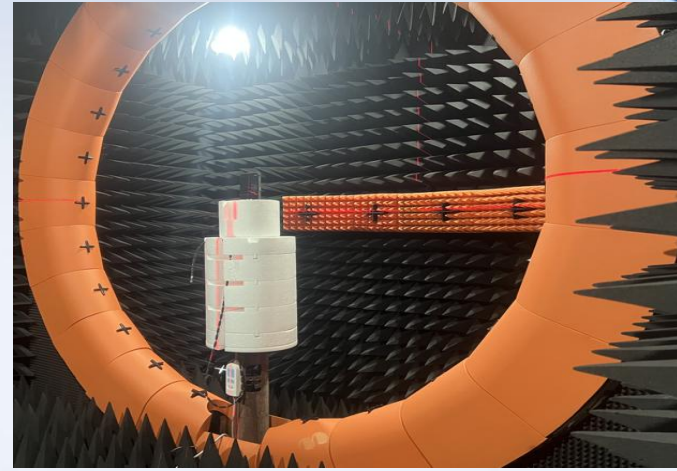
Antenna commissioning report

- Antenna Type: FPC + Coaxial Cable
- Date: October 11, 2025

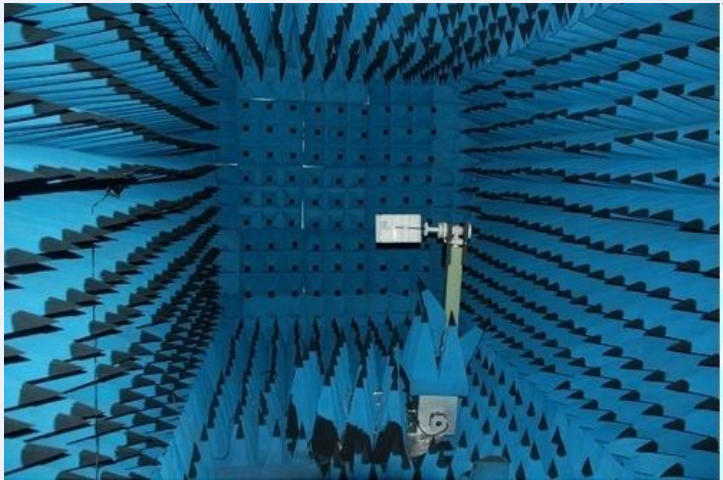
Test system



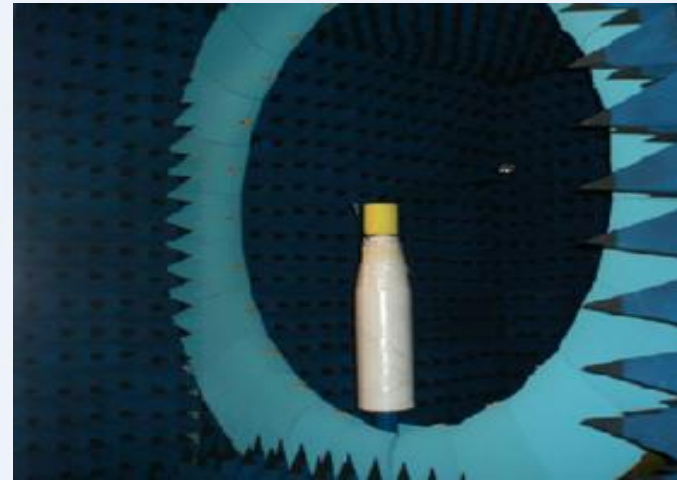
SUNYIELD Test system



ATS-300 LTest system



Wide-screen test system



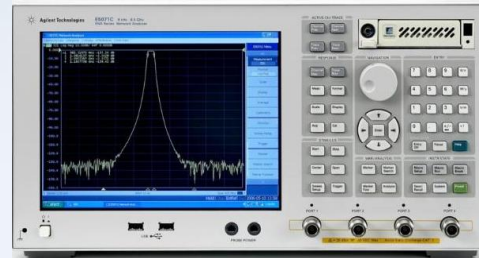
Satimo Test system

Instruments and Equipment

R&S CMW500



Agilent E5071C



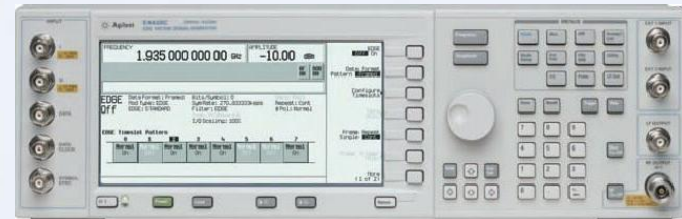
Anritsu MT8820C



Agilent N4010A



Agilent E4438C Signal Generator

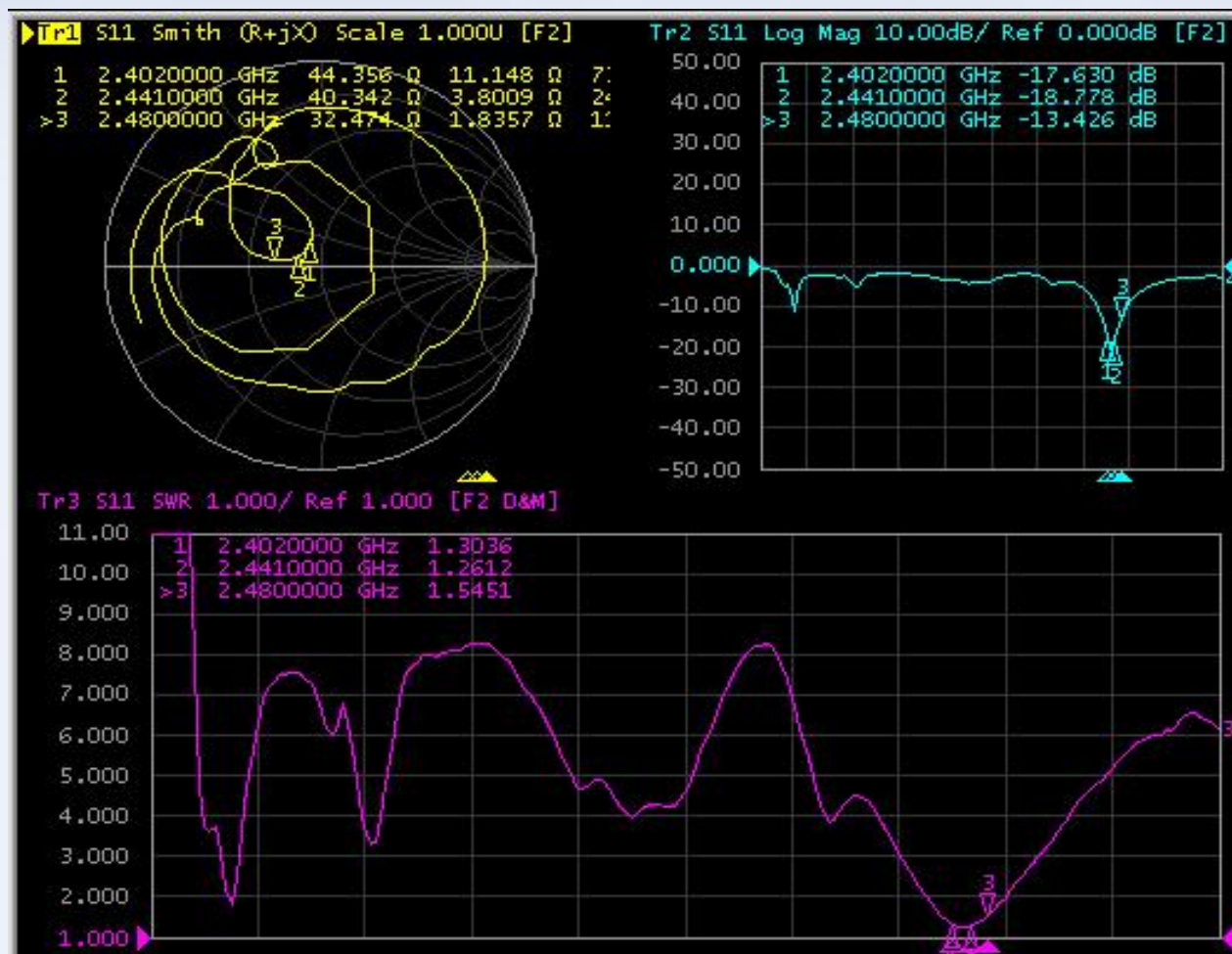


Anritsu MT8000A

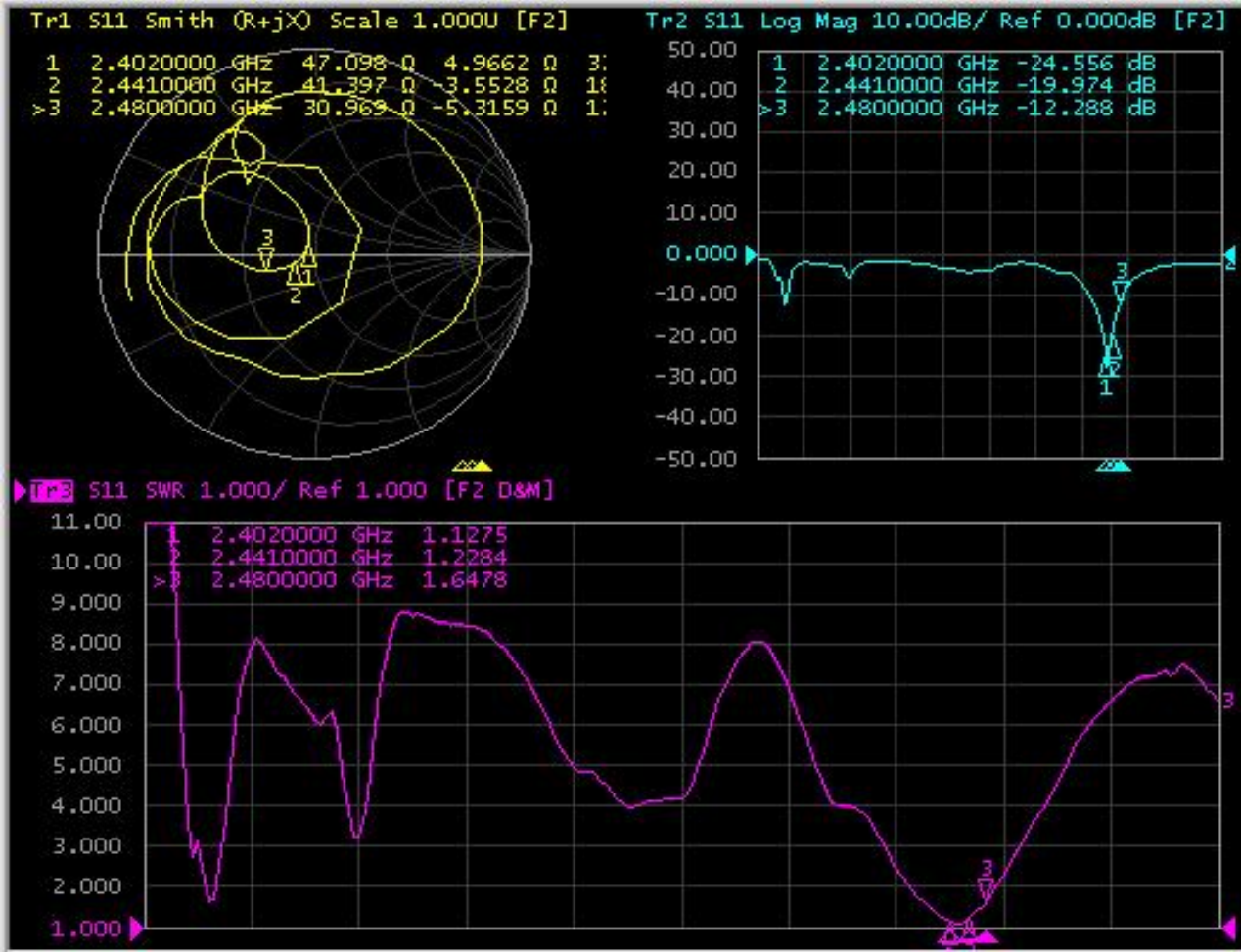


1. Passive parameters

1.S11



1.S11



2. Antenna location



3. Passive efficiency

Free Space

Frequency (MHz)	Efficiency %	Efficiency (dB)	Gain (dBi)
2400	53.09	-2.75	4.58
2410	53.7	-2.70	4.80
2420	57.02	-2.44	5.00
2430	56.89	-2.45	5.06
2440	57.94	-2.37	5.21
2450	58.48	-2.33	5.24
2460	58.88	-2.30	5.44
2470	58.08	-2.36	5.40
2480	57.68	-2.39	5.55
Average	56.86	-2.45	5.14

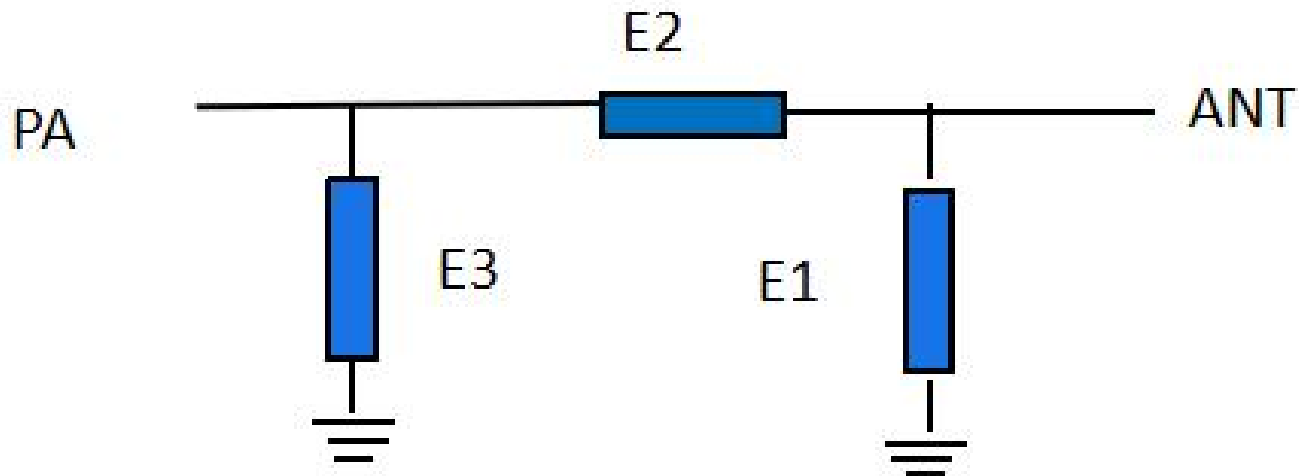
Human head and ears

Frequency (MHz)	Efficiency %	Efficiency (dB)	Gain (dBi)
2400	37.84	-4.22	1.80
2410	36.73	-4.35	1.68
2420	38.11	-4.19	1.87
2430	36.81	-4.34	1.71
2440	37.07	-4.31	1.84
2450	36.31	-4.40	1.82
2460	36.31	-4.40	2.06
2470	35.81	-4.46	2.02
2480	35.4	-4.51	2.24
Average	36.71	-4.35	1.89

2. Environmental treatment

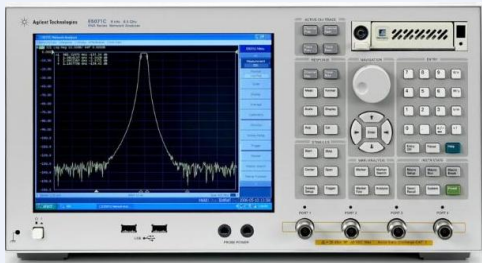
1. Matching circuit

匹配	E1	E2	E3
Value	NC	0Ω	NC



Supplementary Notes

The antenna passive test places the device under test in a darkroom, connects the antenna debugging coaxial line to the darkroom passive test head, and uses an external tester to test the passive data of the entire device's antenna.



Thanks!

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