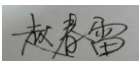
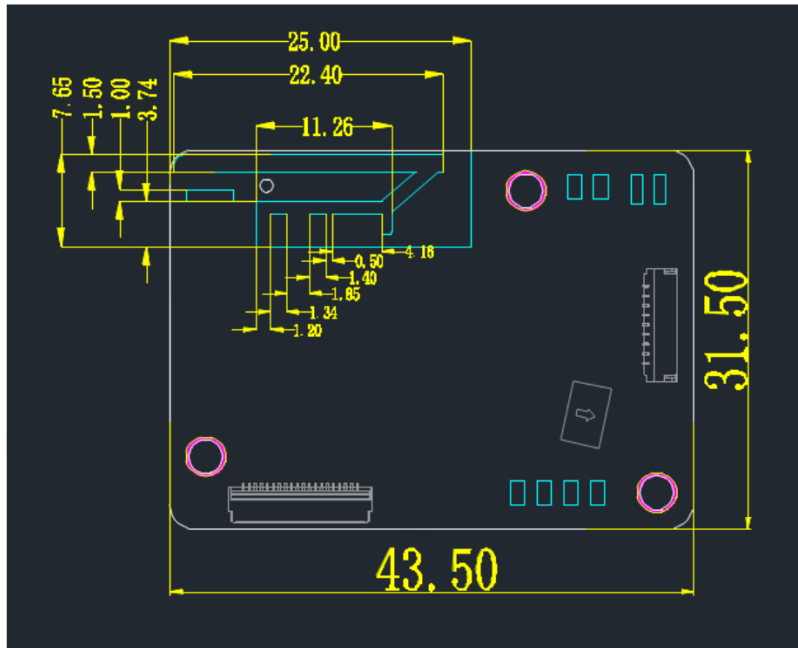


HDX3006Headset Antenna report

Applicant	GUANDONG KINGSHINE ELECTRONIC TECHNOLOGY CO LTD
Address	No 9 Longshan Eight Road West District OfDayawan Huizhou City Guangdong Province China

Manufacturer or Supplier	GUANDONG KINGSHINE ELECTRONIC TECHNOLOGY CO LTD
Address	No 9 Longshan Eight Road West District of Dayawan Huizhou City Guangdong Province China
Product	Onboard ANT
Brand Name	SONY
Model	NA
Antenna type	PCB Antenna
Max. Peak Gain	2.8dBi
Date of tests	2026-01-17
Tested by Chunlei Zhao	Approved by Qin Cai
	

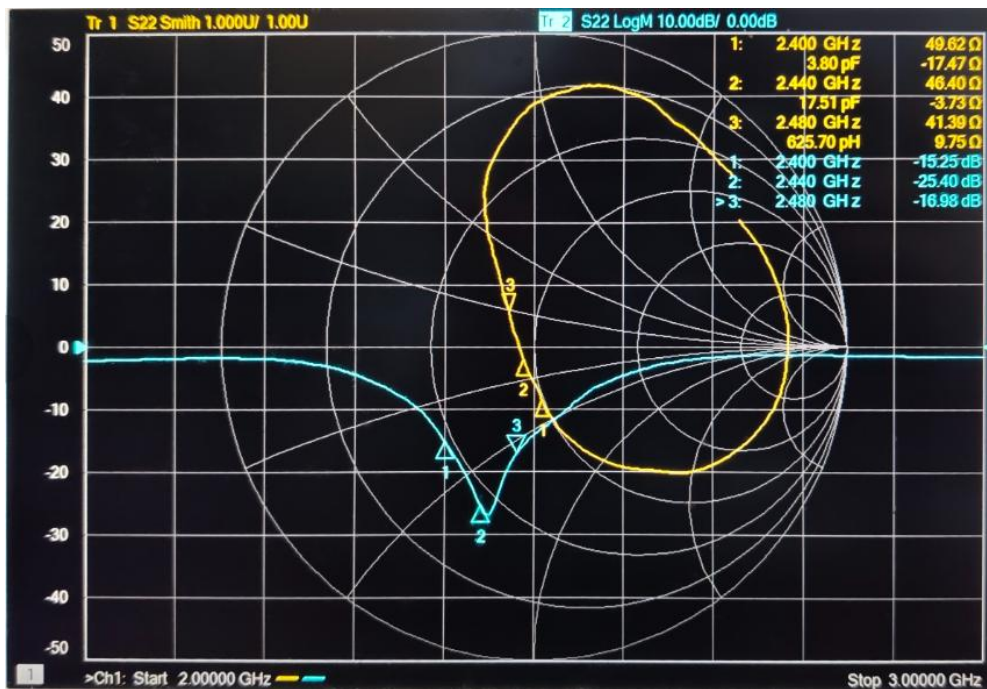
1. Antenna Size (mm)



2. Antenna photo (Please refer to Antena photos document)
3. Test setup photo (Please refer to Antena photos document)



4. Return loss & impedance



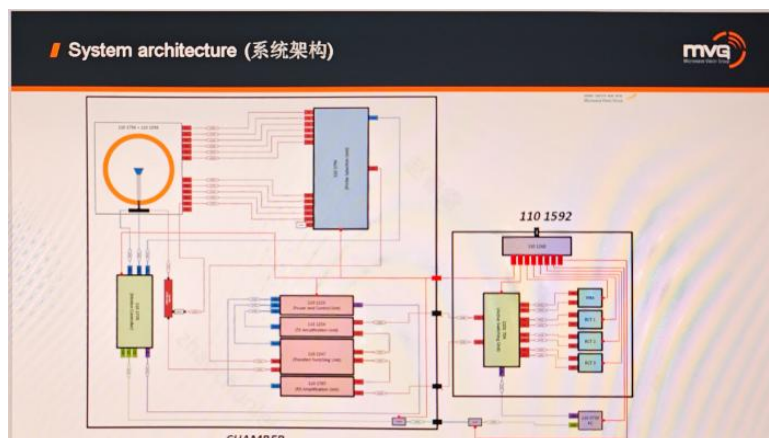
5. Test standard

Name	Parameter	Method	Standard no.
Antenna performance	Radiation efficiency	IEEE Standard Test Procedures for Antennas	ANSI/IEEE Std 149-1979

6.Equipment list

Equipment	Manufacturer	Model No	Serial No.	Last Cal.	Due Date
Network Aanlyzer	Agilent	E5071C	MY47100344	2025.03.15	2026.03.14
Microwave chamber	MVG	SG24S 0.4-10GHz	1102805-0012	2026.01.05	2027.01.05
Test Software	MVG	Wave Studio24.3.3			

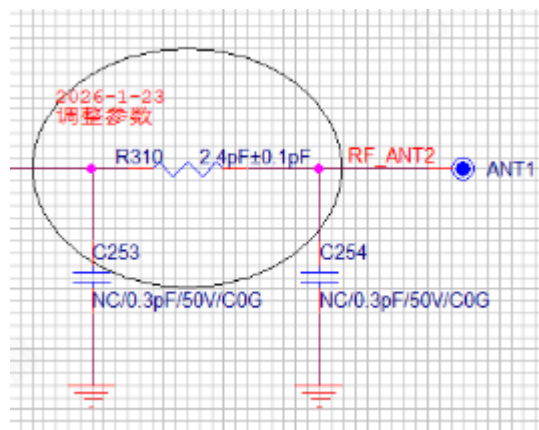
7. Test configuration diagram



Test step flow:

- 1) Maintain the test ambient temperature of 23 ± 2 C, the instrument is powered on and preheated for more than 30 minutes;
- 2) Turn on the darkroom power supply, connect the test cable, and set up the sample according to the standard;
- 3) Outline sets the test content objectives and conducts calibration tests;
- 4) Run the software, when the test is completed, export the corresponding test diagram and test data, and save to the corresponding directory.

8. Antenna Matching circuit



9. Antenna gain

Frequency	Efficiency	Gain
2400	-4.3	1.27
2410	-4.27	1.59
2420	-4.27	1.98
2430	-4.27	2.3
2440	-4.18	2.63
2450	-4.17	2.76
2460	-4.21	2.8
2470	-4.4	2.69
2480	-4.4	2.76

10.Antenna test data

2440MHz

