
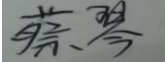
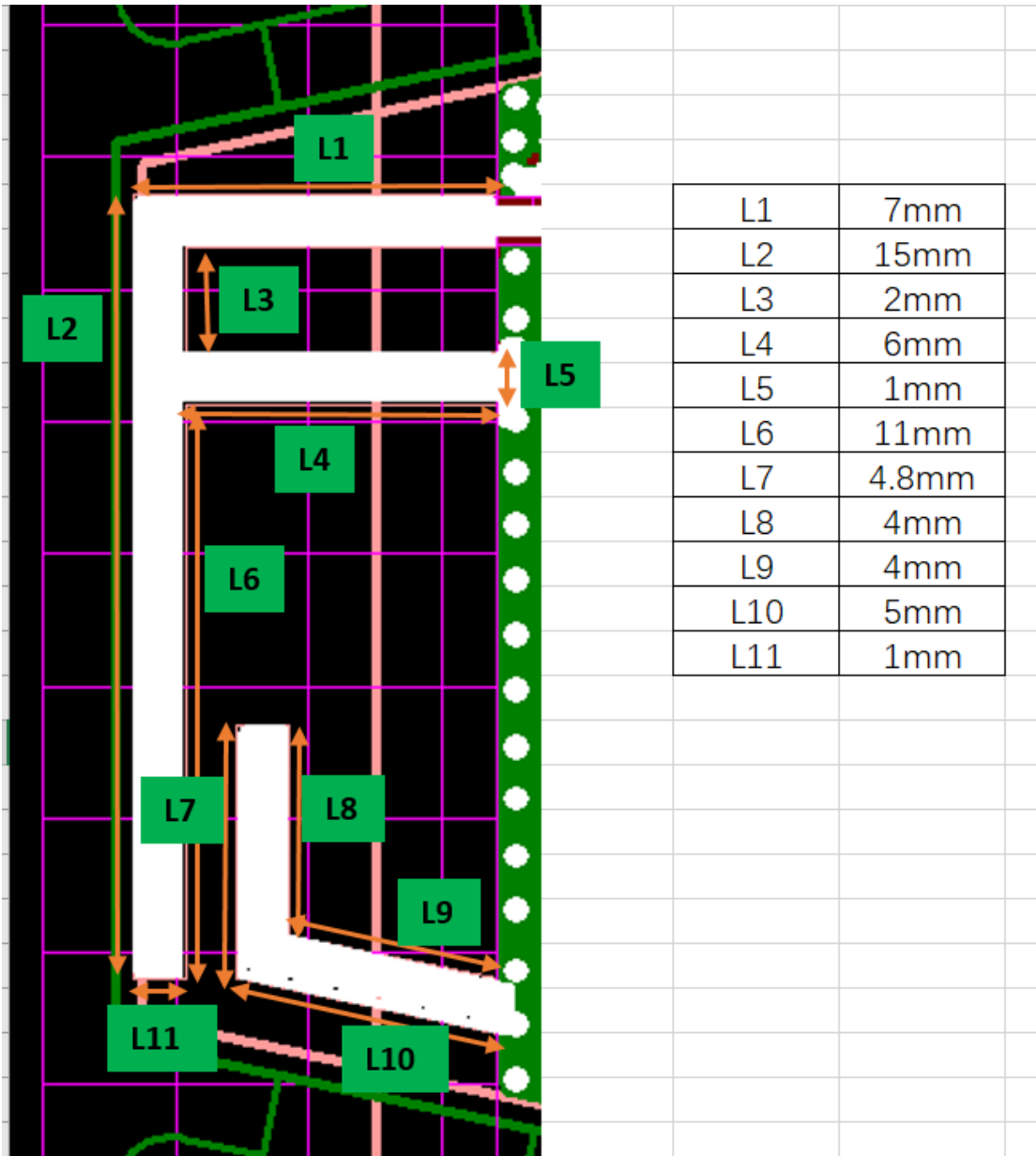


SONY YY7860E MIC Antenna report

Applicant	1. HUIZHOU CHINA EAGLE ELECTRONIC TECHNOLOGY CO LTD 2. GUANDONG KINGSHINE ELECTRONIC TECHNOLOGY CO LTD
Address	1. Zhongjing Road, Chenjiang Street, Zhongkai Hi-tech Zone, Huizhou City, Guangdong Province 2. Longshan Eight Road, West District of Daya Bay Huizhou, Guangdong Sheng 516083 China

Manufacturer or Supplier	1. HUIZHOU CHINA EAGLE ELECTRONIC TECHNOLOGY CO LTD 2. GUANDONG KINGSHINE ELECTRONIC TECHNOLOGY CO LTD
Address	1. Zhongjing Road, Chenjiang Street, Zhongkai Hi-tech Zone, Huizhou City, Guangdong Province 2. Longshan Eight Road, West District of Daya Bay Huizhou, Guangdong Sheng 516083 China
Product	YY7860E MIC ANT
Brand Name	SONY
Model	NA
Max. Peak Gain	2dBi
Date of tests	2023-07-12
Tested by wushujing	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)

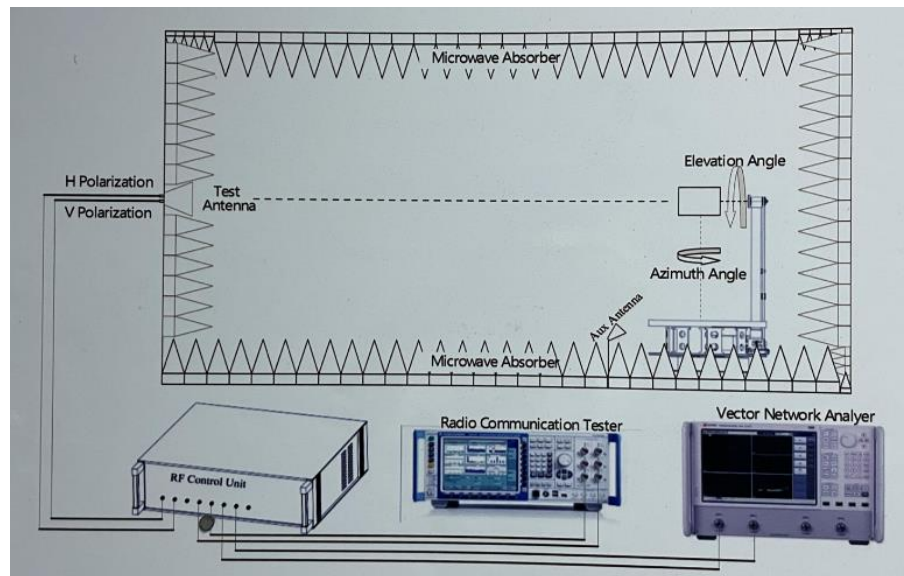
4. Test standard

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

5. Equipment list

Equipment	Manufacturer	Model No	Serial No.	Last Cal.	Due Date
Network Analyzer	Agilent	E5071C	MY46630767	2022.4.28	2023.4.27
Microwave chamber	GTS	GTS Maxsign-Dart7000		2022.4.28	2023.4.27
Turn table	GTS	Dart-700 turn table		2022.4.28	2023.4.27
turn table controller	GTS	Dart-700 turn table controller		2022.4.28	2023.4.27
Broad-Band Horn Antenna	GTS	AT-6000	MA-D0460	2022.4.28	2023.4.27
Test Software	GTS	Libra Version-3.0.3.1		2022.4.28	2023.4.27

6. Test configuration diagram



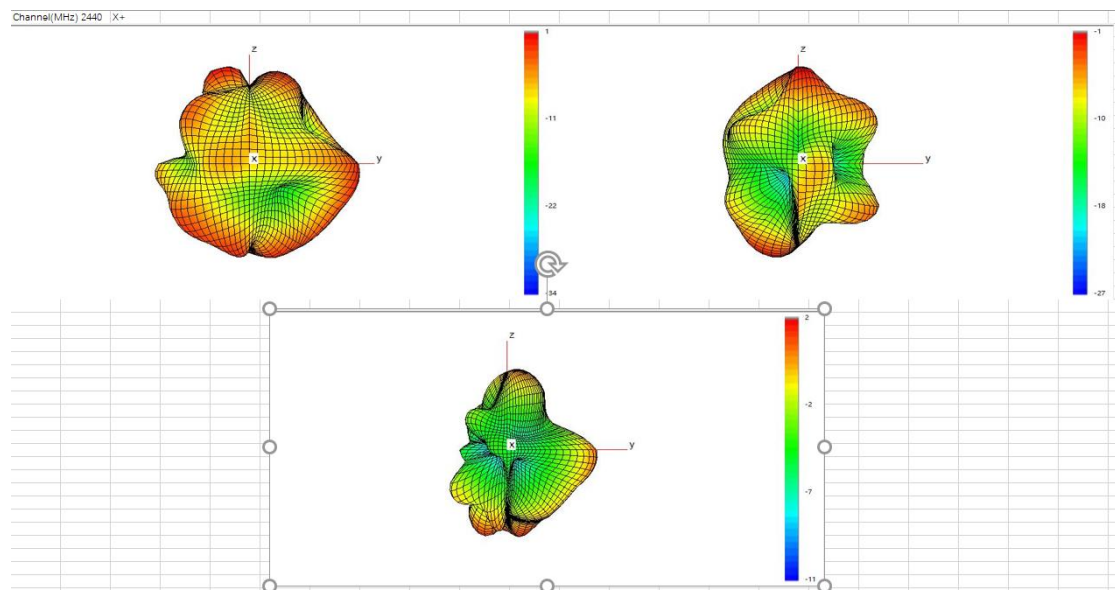
Test step flow:

- 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.

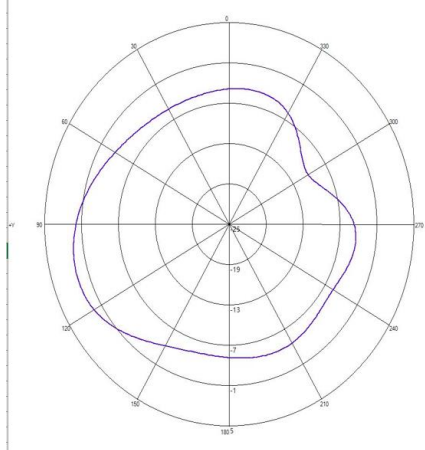
7. Antenna gain

Freq(MHz)	Gain(dB)	Efficiency(dB)	Efficiency(%)
2400	1.416121779	-3.384967526	45.86730754
2410	1.513404205	-3.343333338	46.30913426
2420	2.000358363	-3.155482902	48.3561493
2430	1.360254994	-3.107247728	48.89621331
2440	1.517250533	-3.101642988	48.95935653
2450	1.962096756	-3.075728681	49.25236983
2460	1.038430469	-3.182040953	48.06134326
2470	1.553489518	-3.390164703	45.81245123
2480	1.533804127	-3.484337343	44.82974471

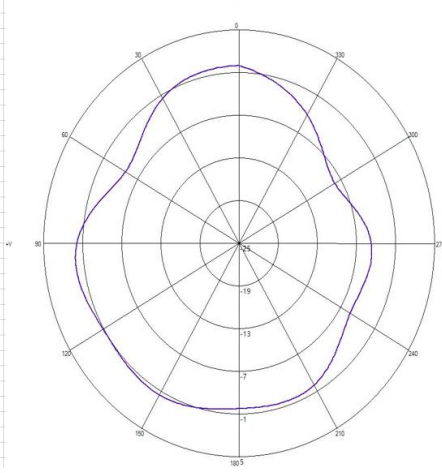
8. Antenna test data



Channel(MHz) 2440 XY-Plane TMax(dB) | 0.389623 Ave(dB) | -3.67164 Min(dB) | -10.2162



Channel(MHz) 2440 ZY-Plane TMax(dB) | 0.005405 Ave(dB) | -2.00871 Min(dB) | -8.07794



Channel(MHz) 2440 ZX-Plane TMax(dB) | 1.517251 Ave(dB) | -2.03354 Min(dB) | -5.39279

