
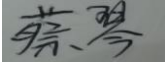
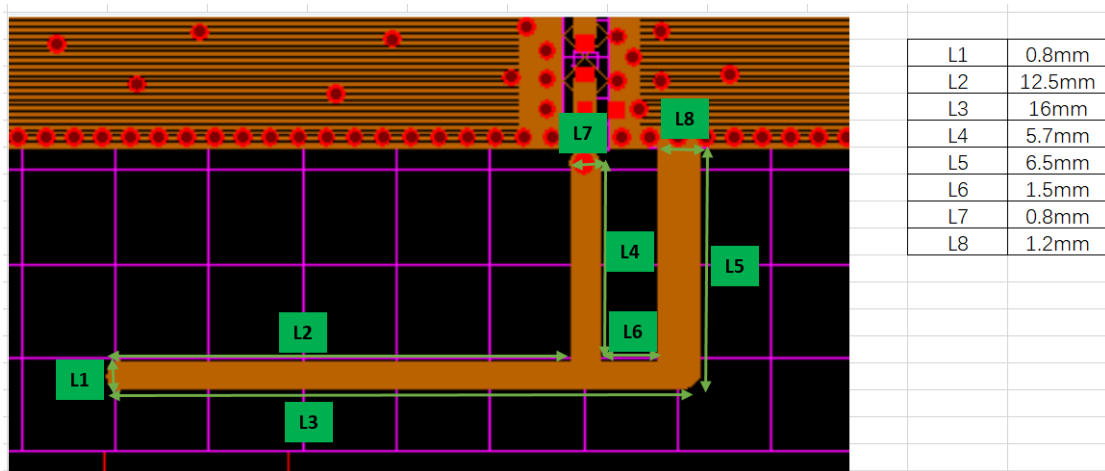


SONY YY7857E RX Antenna report

Applicant	1. HUIZHOU CHINA EAGLE ELECTRONIC TECHNOLOGY CO LTD 2. GUANDONG KINGSHIN'E 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	YY7857E RX ANT
Brand Name	SONY
Model	NA
Max. Peak Gain	2.0dBi
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

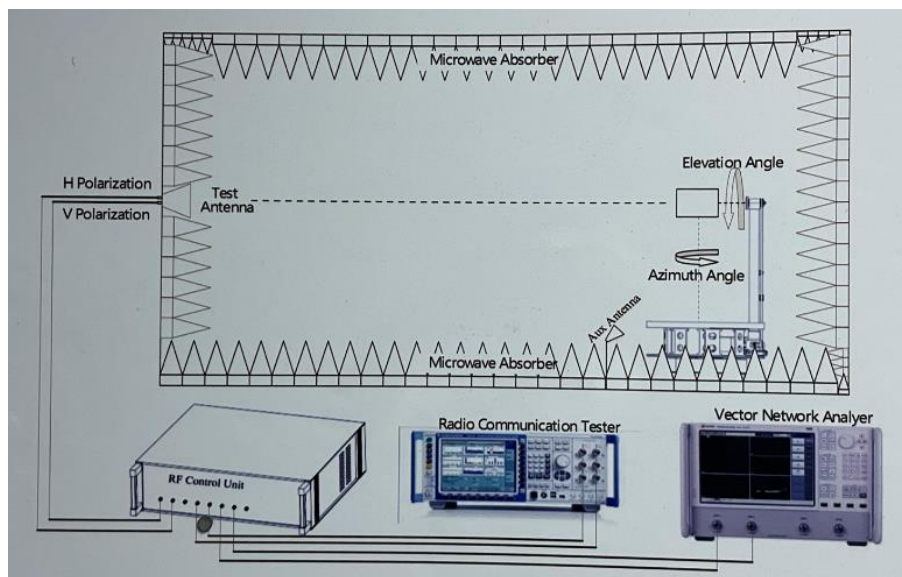
Name	Parameter	Method	Standard no.
Antenna performance	Radiation efficiency	IEEE Standard Test Procedures for Antennas	ANSI/IEEE Std 149-1979

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:

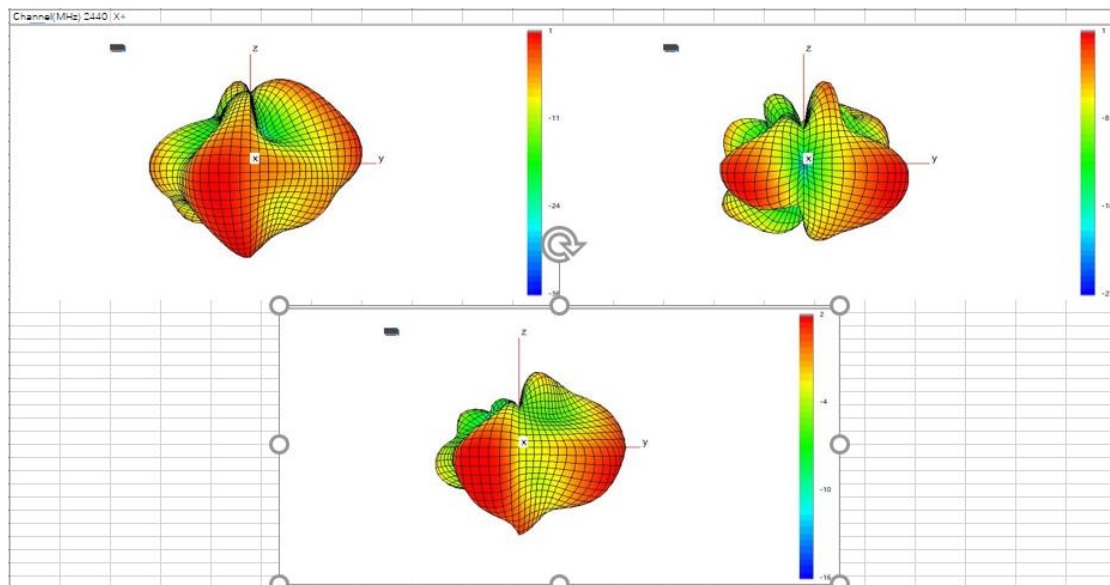
- 1) Maintain the test ambient temperature of 23 ± 2 C, the instrument is powered on and preheated for more than 30 minutes;
- 2) Turn on the darkroom power supply, connect the test cable, and set up the sample according to the standard;

- 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.

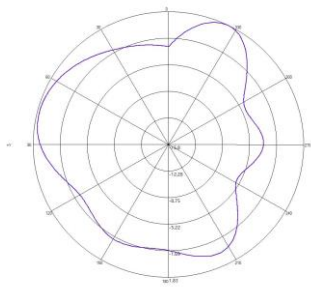
7. Antenna gain`

Freq(MHz)	Gain(dB)	Efficiency(dB)	Efficiency(%)
2400	1.75684858	-2.800631782	52.47311204
2410	1.666699684	-2.867468885	51.671743
2420	1.615180785	-2.930960552	50.92182321
2430	1.441033651	-2.907372292	51.19915235
2440	1.680146361	-2.807034224	52.39581229
2450	1.9272872	-2.542597489	55.68525992
2460	2.067025147	-2.372194192	57.91360248
2470	2.025579477	-2.269969143	59.29295374
2480	2.094802906	-2.032533848	62.62483797

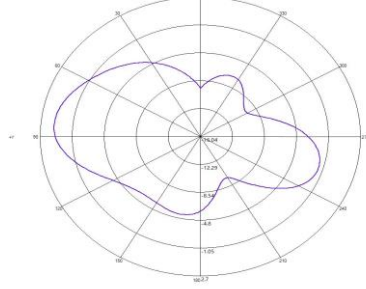
8. Antenna test data



20/04/2018



20/04/2018



20/04/2018

