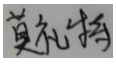
SONY YY7859E Antenna report

Applicant	Tonly Technology Co., Ltd.
Address	Section 37, Zhongkai High-tech Development Zone, Huizhou City, Guangdong Province, P.R. China

Manufacturer or Supplier	Sunitec Enterprise Co., LTD.
Address	Building C No.725, WeiXiangTai Industrial zone, FuCheng street , LongHua district, ShenZhen, GuangDong, China
Product	YY7859E
Brand Name	SONY
Model	NA
Max. Peak Gain	2.73dBi
Date of tests	2024-08-12
Tested by Molite	Approved by Huangzhishun
	

1. Antenna Size（mm）（Please refer to Antena photos document）

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

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

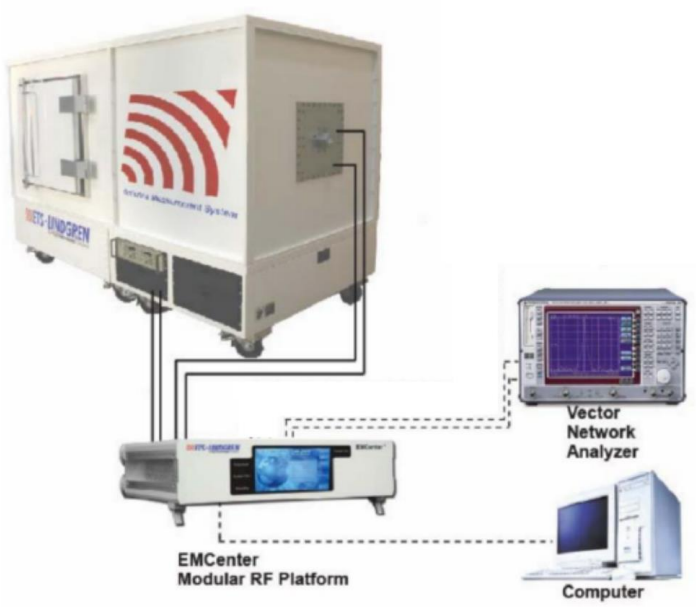
4. Test standard

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
VECTOR NETWORK ANALYZER	Agilent	E5071C		2023.10.26	2024.10.25
Antenna Measurement System 【include Chamber + Controller】	ETS-Lindgren	AMS-8050		2023.10.26	2024.10.25

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;

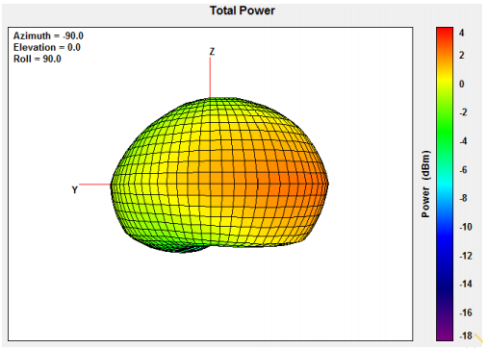
4) Run the software, when the test is completed, export the corresponding test diagram and test data, and save to the corresponding directory.

7. Antenna gain

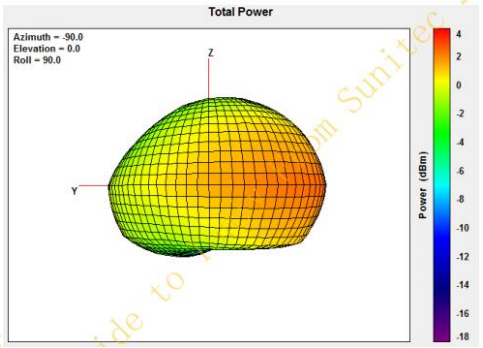
Frequency(MHz)	Efficiency (%)	Peak Gain (dBi)
2400	71.57	2.58
2410	72.39	2.62
2420	72.29	2.60
2430	72.50	2.59
2440	73.50	2.62
2450	74.58	2.68
2460	75.38	2.73
2470	74.63	2.67
2480	75.02	2.68

8. Antenna test data

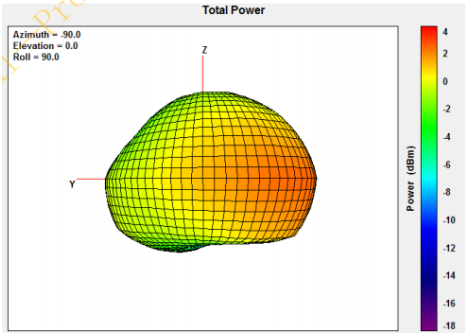
2400MHz



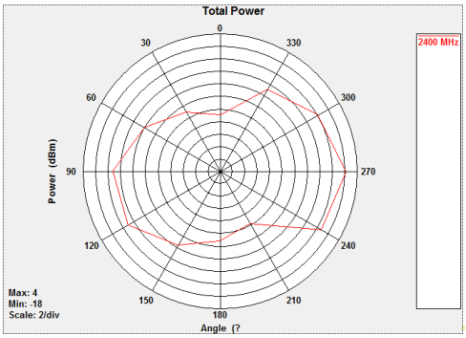
2440MHz



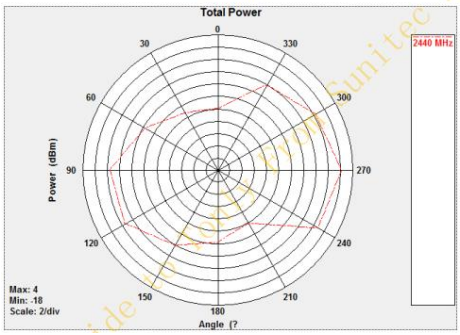
2480MHz



2400MHz



2440MHz



2480MHz