

YY7867E1 MIC Antenna report

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

Manufacturer	Shenzhen World Elite Electronic Co.,Ltd
Address	No. 8, Longsheng Road, Longgang Street, Longgang District, Shenzhen City, Guangdong Province (Xiangyu Industrial Park)
Product	YY7867E1 MIC ANT
Brand Name	SONY
Antenna Types:	PCB Antenna
Model	NA
Max. Peak Gain	2.98dBi
Date of tests	2024-08-21
Tested by : YuePeng Li	Approved by: Hongying Zhang / Wei Yang
YuePeng Li	HongYing Zhang/Wei Yang

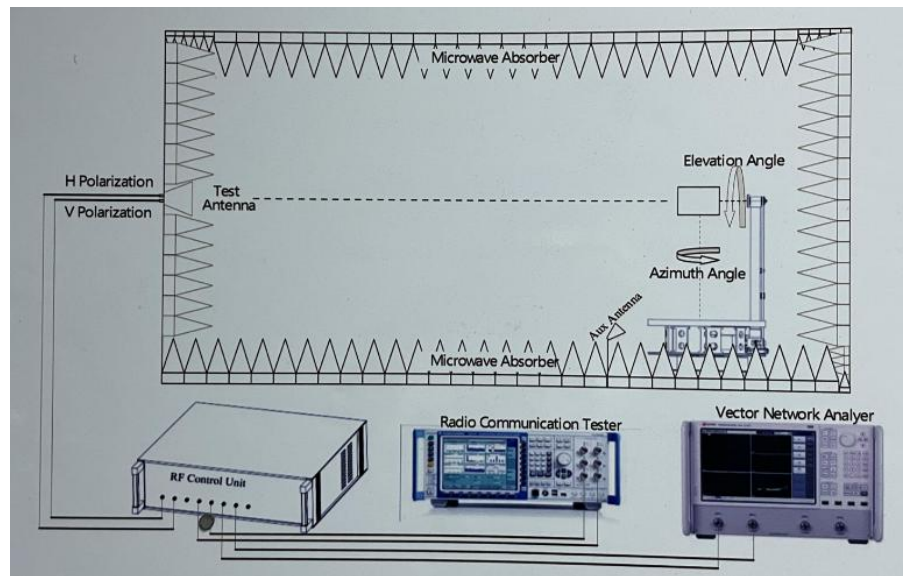
- 1. Antenna Size (mm) (Please refer to Antenna photos document)
- 2. Antenna photo (Please refer to Antenna photos document)
- 3. Test setup photo (Please refer to Antenna photos document)
- 4. Test standard

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 Aanalyzer	Agilent	E5071B	MY42403791	2023.11.02	2024.11.01
Comprehensive tester	R&S	CMW500	174937	2023.11.02	2024.11.01
Microwave chamber	FEITUKEJI	MC-MP-AT24	MPAT2205240 031	2023.11.02	2024.11.01
Test Software	FEITUKEJI	AnTestPro97	38.15	2023.11.02	2024.11.01

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)	Gain (dBi)	Efficiency (%)
2400	2.45	45.82
2410	2.63	46.09
2420	2.78	46.81
2430	2.93	47.11
2440	2.98	47.29
2450	2.88	48.35
2460	2.84	49.45
2470	2.79	48.13
2480	2.82	47.06
2490	2.66	46.84
2500	2.59	46.26

8. Antenna test data

