

Antenna Specifications

FCC ID: 2AEUPBHARG101

IC ID: 20271-BHARG101

Model Number: 5DFYA5

Frequency range of operation:**Antenna 1:**

- Bluetooth: 2.4 to 2.48 GHz
- Wi-Fi: 2.4 to 2.48 GHz

Antenna type: IFA

Antenna gain: 4.3 dBi for BLE/Wi-Fi

Lab name: Goertek VN antenna lab

Lab address: B2-1F, Lot A1, Nam Son - Hap Linh Industrial Park, NamSon Ward, Hap Linh Ward, Bac Ninh city and Lac Ve Commune, Tien Du District, BacNinh Province, Vietnam.

Test date: January 8, 2026

Test people: Eric Pan eric.pan@goertek.com

Measurement test method:

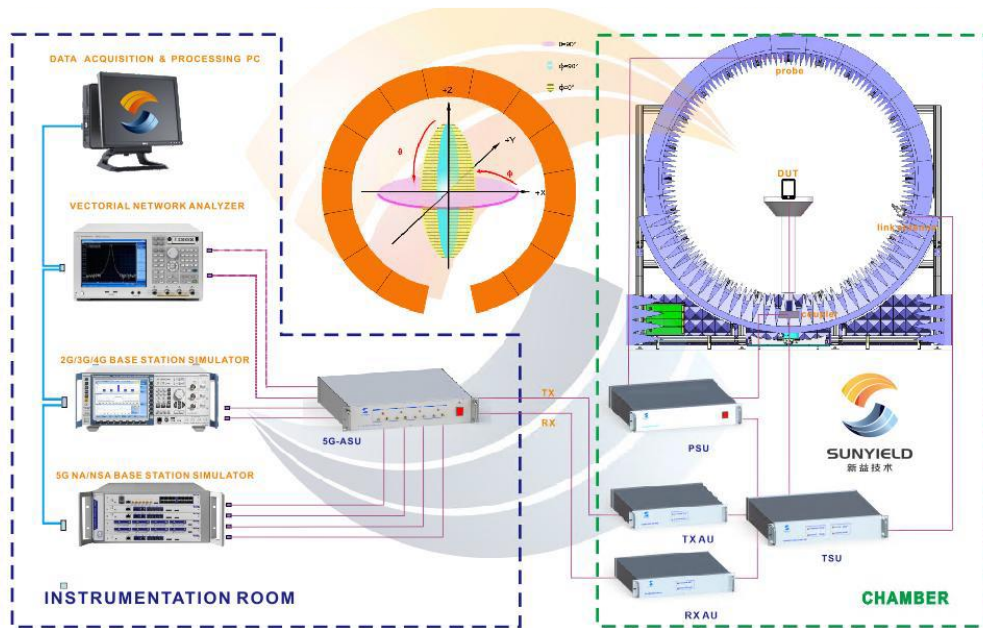
Solder pigtails on feeding point of antenna and measure passive antenna performance by VNA and OTA chamber system.

Test equipment:

Description	Manufacturer	Model	Serial Number	Cal from	Cal Due
Test Chamber	SunYield	SY-24	SI2504	June 2025	-
ENA Network Analyzer	Keysight	E5071C	MY46733546	March 2025	1 year

Equipment setup:

1. Below is a block diagram of the antenna measurement setup.



1. Actual setup picture of the DUT mounted on the turn table inside the anechoic chamber
2. Set up the device on the turn table and connect the pigtailed to the RF cable.

Software used: Sunvey Active Measurement: SAM2.10.8

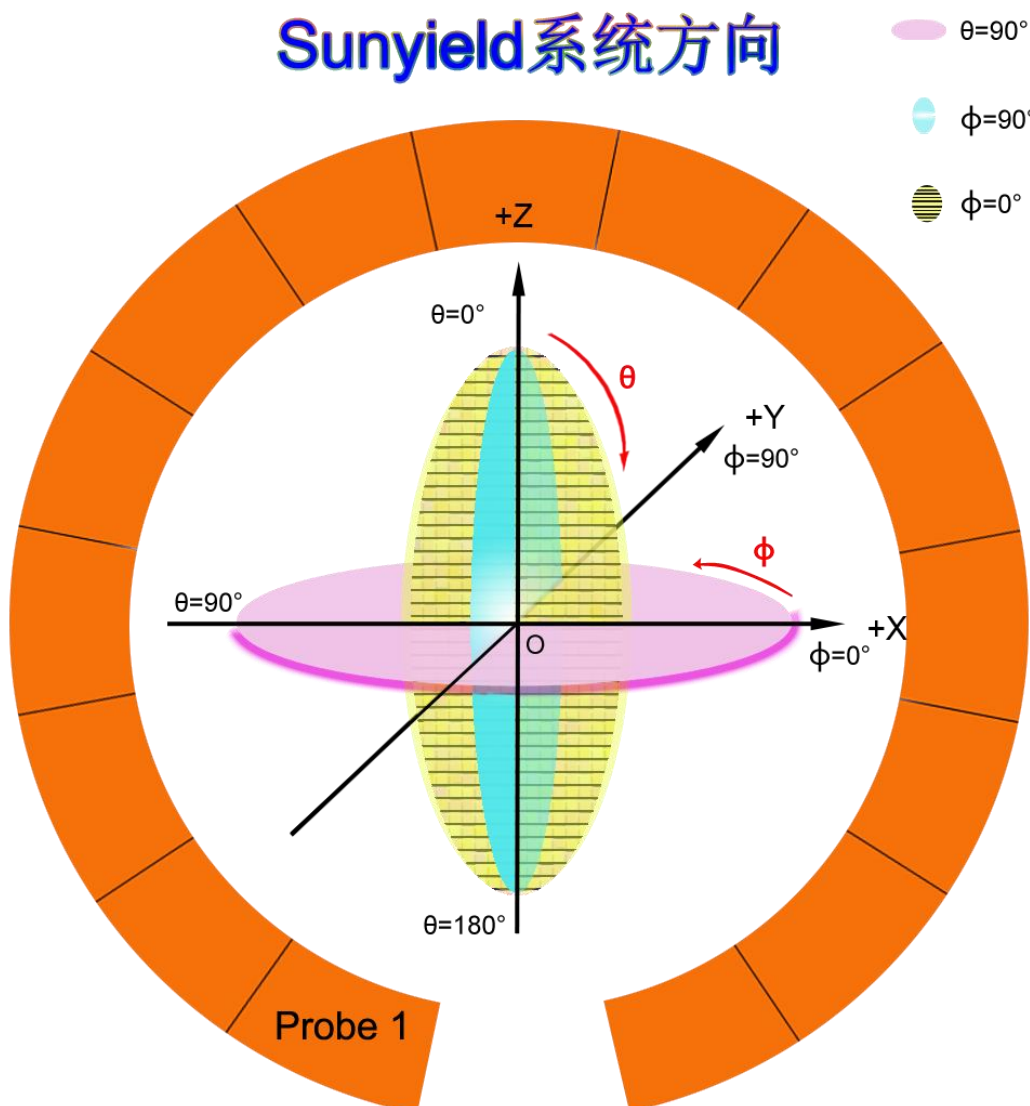
Test set-up:

Test Procedure (Passive Antenna Measurement):

1. Mount the Device Under Test (DUT) on the supporting pole at the center of the anechoic chamber.
2. Connect the DUT antenna port to the measurement system using a coaxial cable at the transmitter side of the chamber.
3. Close the chamber door to eliminate external signal interference during measurement.
4. Launch the antenna measurement system, configure the required test parameters (e.g., frequency points or rotation angles), and import the frequency list for testing.
5. After completing the measurement, process the recorded data and perform far-field data conversion as required.

Antenna radiated pattern orientation:

Sunyield系统方向



Antenna radiation pattern:

