

Antenna Specifications

FCC ID: 2AF77-H2511910

IC ID: 20741-H2511910

Model Number: BCM00800U

Antenna Manufacturer's name	Speed
Antenna Manufacturer's Address	No.99 , Weixin Road , SIP , Suzhou , Jiangsu Province, China
Antenna Pattern	PIFA

Antenna Part Number: It's printing antenna on PCB, no part number for it.

Test date:2025/07/25

Frequency range of operation:

- Wi-Fi/BLE: 2400~2500MHz

Antenna type: PIFA

Antenna gain:

- Wi-Fi: 2dBi

Lab name: Speed

Lab address: No.99 , Weixin Road , SIP , Suzhou , Jiangsu Province , China

Measurement test method: Passive

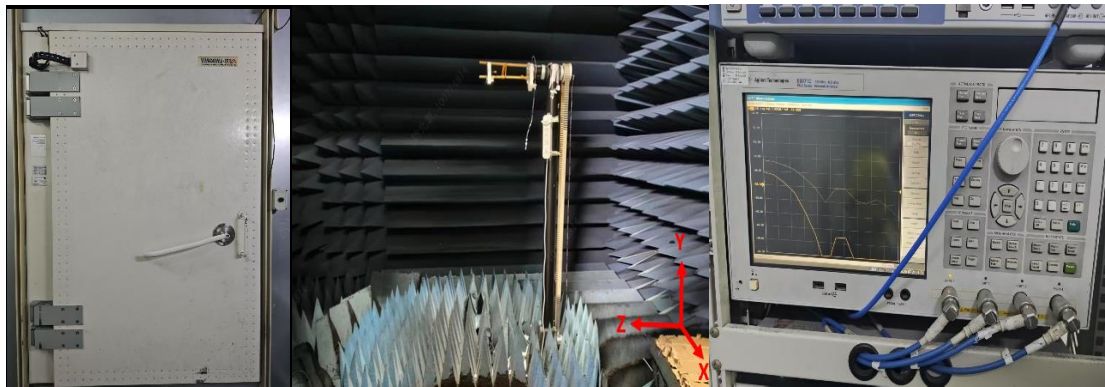
Test equipment: ETS8500

Calibration due: 2026.7.20

OTA chamber: GTS-2800

Test engineer: Gao zhen hao

Equipment setup:



Software used:EMQuest

Test set-up:

- 1.Place the DUT at the center of the turntable,
- 2.Connecting the test cable to the DUT, and use the EMQuest software for passive measurement.
- 3.During the measured process, ETS8500 will conduct radiation testing with the DUT through by a horn antenna; then the turntable will rotate a horizontal 180- degree.
4. After, a complete measurement of spherical 3D is completed.

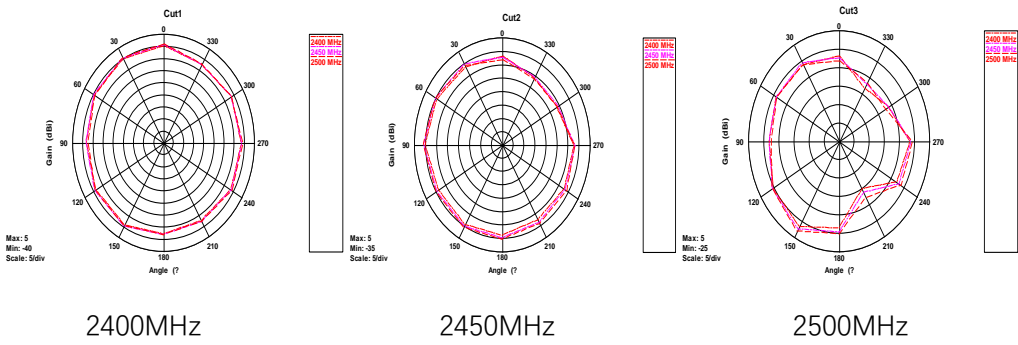
Antenna passive result:

	Effi AVG	Peak gain
	-2.3	2.0
Frequency (MHz)	Tot. Rad. Pwr. (dBm)	Gain (dBi)
2400	-2.6	1.7
2410	-2.5	1.9
2420	-2.4	1.9
2430	-2.4	2.0
2440	-2.3	2.0
2450	-2.2	2.0
2460	-2.1	2.0
2470	-2.1	1.9
2480	-2.3	1.7
2490	-2.4	1.7
2500	-2.4	1.7

Antenna radiation pattern: Linear

2D Radiation Pattern :

WIFI/BLE Antenna :



3D Radiation Pattern

WIFI/BLE Antenna :

XY-Plane

XZ-Plane

YZ-Plane

