

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

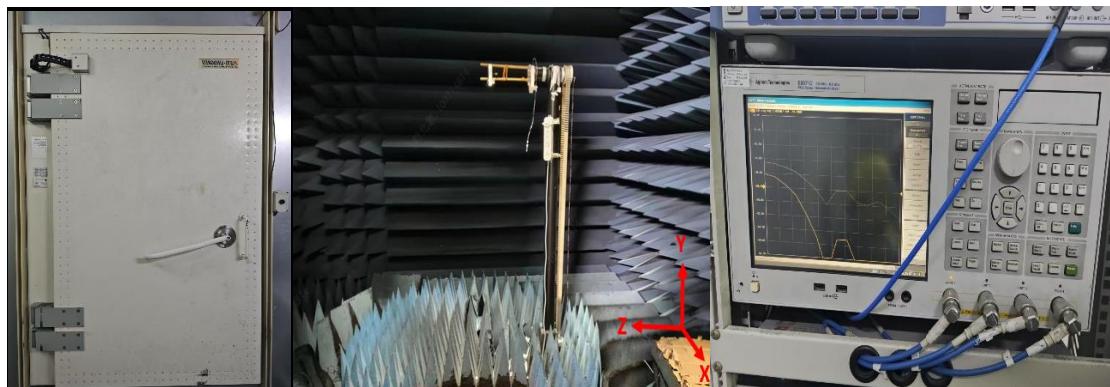
Test equipment: ETS8500

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.

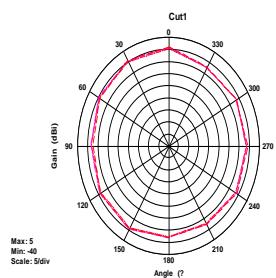
Antenna passive result:

	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

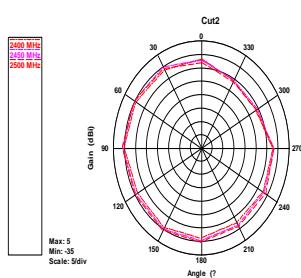
Antenna radiation pattern: Linear

2D Radiation Pattern :

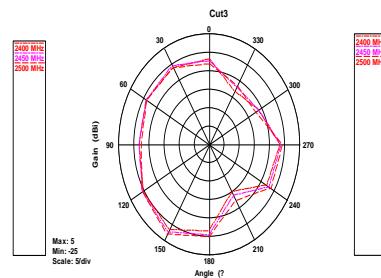
WIFI/BLE Antenna :



2400MHz



2450MHz

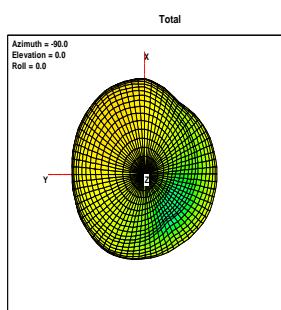


2500MHz

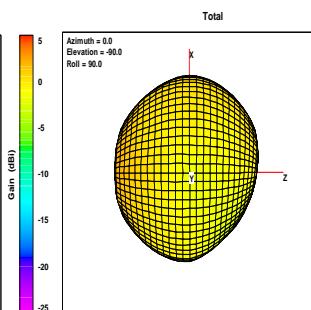
3D Radiation Pattern

WIFI/BLE Antenna :

XY-Plane



XZ-Plane



YZ-Plane

