

# SHENZHEN BOGASING TECHNOLOGY CO., LTD.

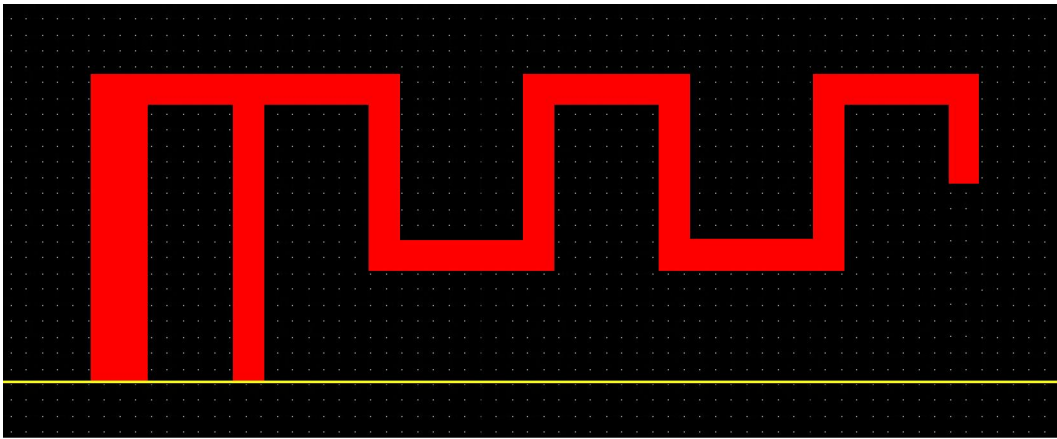
## Product specification

### Quick Reference Date

|                       |                                    |
|-----------------------|------------------------------------|
| ITEM                  | Antenna module on the system board |
| Frequenc Range        | 2400 ~ 2500MHz                     |
| Efficiency (dB)       | 70%                                |
| Gain (dBi)            | 1.54                               |
| Input Impendence(ohm) | 50                                 |
| Polarization Type     | Vertical & Horizontal              |
| VSW                   | < 2                                |

### Antenna Layout & module on the system board

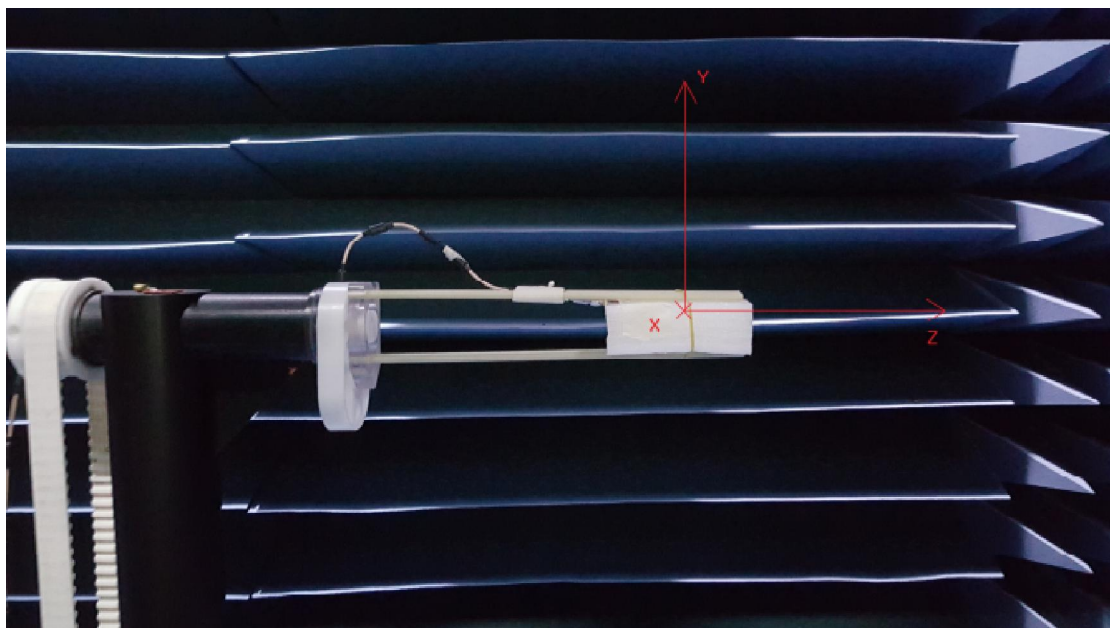
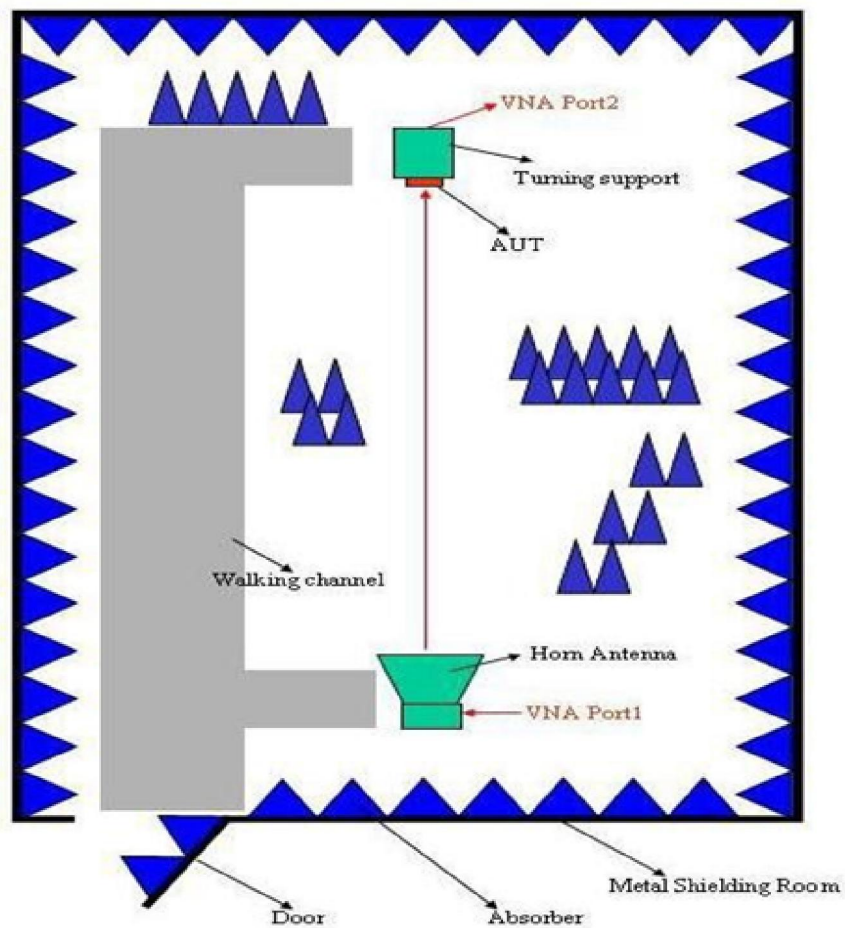
Antenna Model: ANT-1



## Antenna Gain

| Frequency<br>(MHz) | Efficiency<br>(dB) | Efficiency<br>(%) | Gain (dBi) |
|--------------------|--------------------|-------------------|------------|
| 2402               | -1.53              | 70.34             | 1.31       |
| 2405               | -1.52              | 70.51             | 1.33       |
| 2410               | -1.49              | 71.01             | 1.33       |
| 2415               | -1.50              | 70.82             | 1.32       |
| 2420               | -1.46              | 71.47             | 1.41       |
| 2425               | -1.45              | 71.57             | 1.37       |
| 2430               | -1.43              | 71.89             | 1.39       |
| 2435               | -1.44              | 71.70             | 1.34       |
| 2440               | -1.40              | 72.38             | 1.47       |
| 2441               | -1.40              | 72.44             | 1.51       |
| 2445               | -1.40              | 72.42             | 1.44       |
| 2450               | -1.41              | 72.27             | 1.50       |
| 2455               | -1.45              | 71.60             | 1.53       |
| 2460               | -1.44              | 71.82             | 1.51       |
| 2465               | -1.50              | 70.76             | 1.54       |
| 2470               | -1.56              | 69.76             | 1.48       |
| 2475               | -1.59              | 69.35             | 1.46       |
| 2480               | -1.67              | 68.13             | 1.47       |

## The Environment of Antenna Radiation Pattern



## 3D radiation pattern diagram

