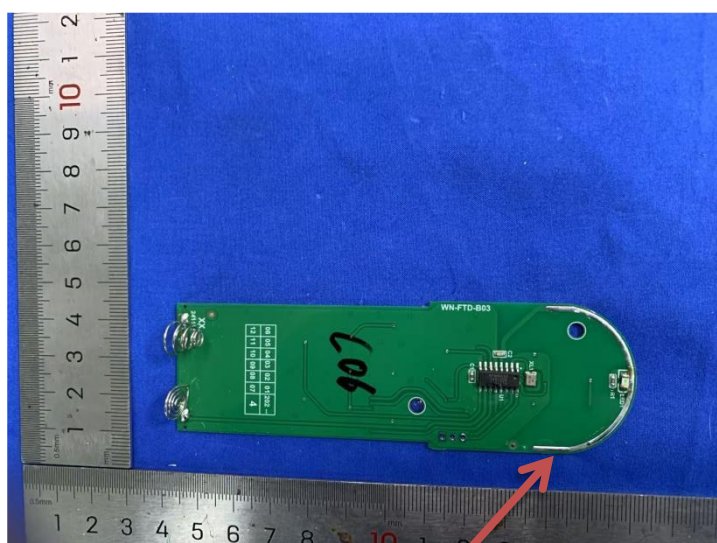
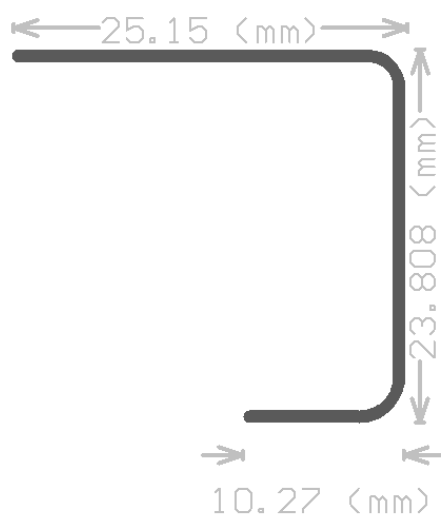


## Justification statement

**Applicant:** Foshan Vane Technology Co., Ltd  
**Address of applicant:** 5-501 Shiyou Industrial , Junan Town, Shunde District,  
Foshan City, China  
**Model:** VN-FTD16-V1  
**Antenna Type:** PCB antenna

All measurements were performed radiated and therefore additional antenna gain documentation is not required.

Transmitter: The thick line of the entire circle shape along the edge of the PCB pointed by the arrow is the transmitting antenna



Antenna

| ITEM                 | ANT SPEC                |         |         |          |         |         |
|----------------------|-------------------------|---------|---------|----------|---------|---------|
| Model Name           | 2.4G ANT                |         |         |          |         |         |
| Center Frequency     | Horizontal              |         |         | Vertical |         |         |
|                      | 2400MHz                 | 2400MHz | 2500MHz | 2400MHz  | 2400MHz | 2500MHz |
|                      | 0.76                    | 0.76    | 0.58    | 1.00     | 1.00    | 0.86    |
| MAX. Gain            | -7.18dB                 |         |         |          |         |         |
| Polarization         | Horizontal and Vertical |         |         |          |         |         |
| Azimuth Beam Pattern | Omni-directional        |         |         |          |         |         |
| Impedance            | 50 Ohm                  |         |         |          |         |         |
| Antenna Length       | 38.20mm                 |         |         |          |         |         |

