

**ANTENNA SPECIFICATION**

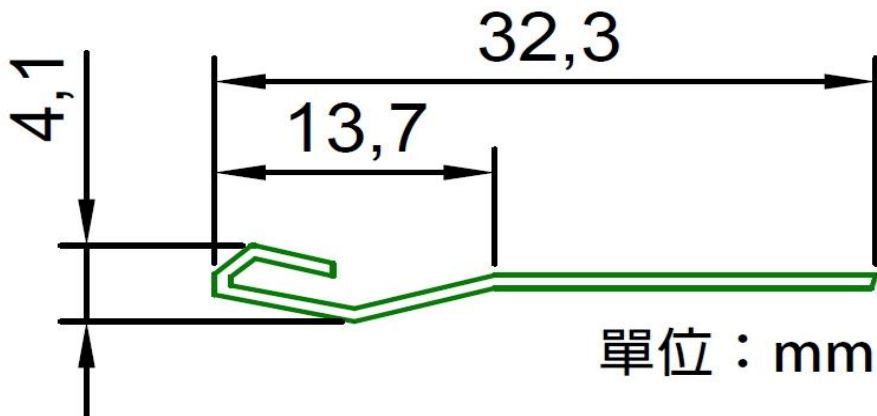
Summary

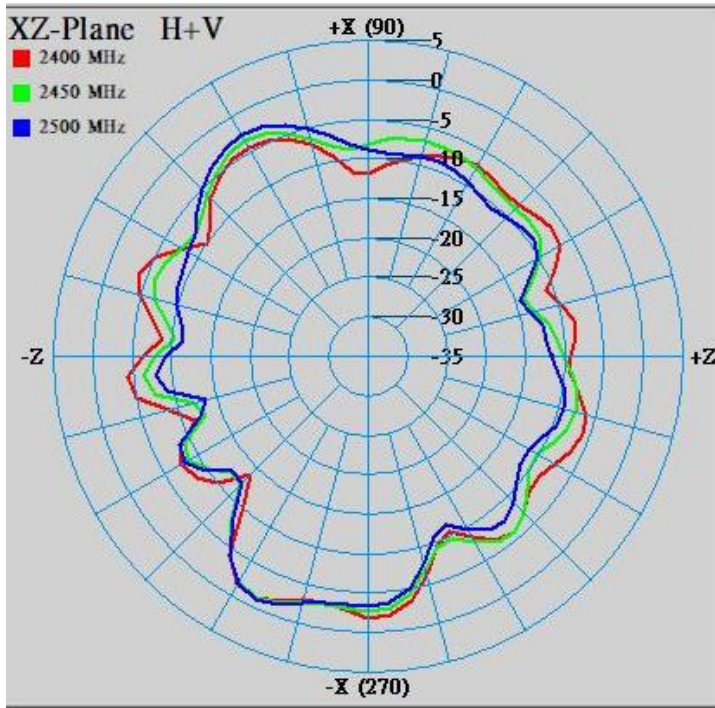
ITEM 偶極天線B款

Model Name 2.4G ANT

| Center Frequency     | XZ                                 |         |         | YZ      |         |         | XY      |         |         |
|----------------------|------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|
|                      | 2400MHz                            | 2450MHz | 2500MHz | 2400MHz | 2450MHz | 2500MHz | 2400MHz | 2450MHz | 2500MHz |
|                      | -1.19                              | -1.36   | -1.17   | 0.96    | -0.67   | -1.96   | -0.75   | -1.09   | -1.95   |
| MAX. Gain            | 0.96                               |         |         |         |         |         |         |         |         |
| Polarization         | XZ Plane and YZ Plane and XY Plane |         |         |         |         |         |         |         |         |
| Azimuth Beam Pattern | Omni-directional                   |         |         |         |         |         |         |         |         |
| Impedance            | 50 Ohm                             |         |         |         |         |         |         |         |         |
| Antenna Length       | 87.9mm                             |         |         |         |         |         |         |         |         |
| Manufacture          |                                    |         |         |         |         |         |         |         |         |

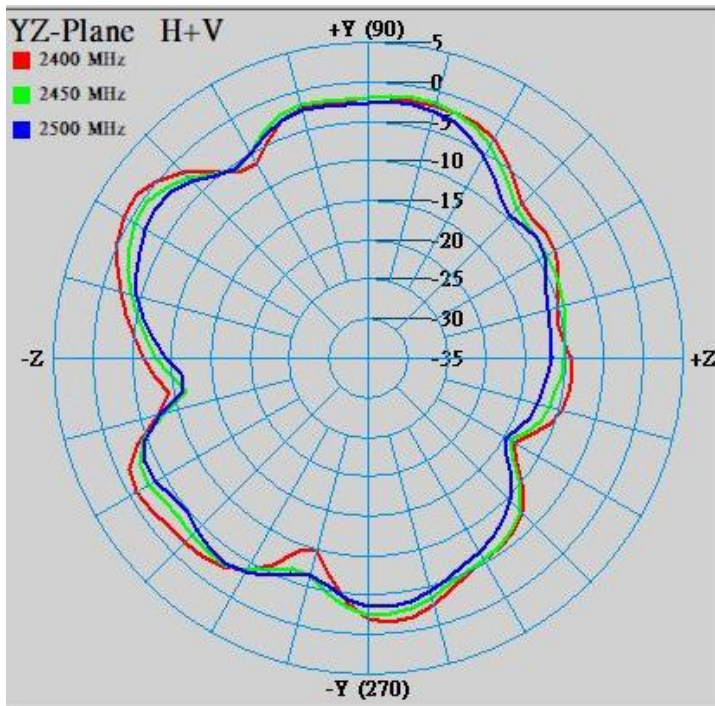
Antenna Photo & Length(mm)





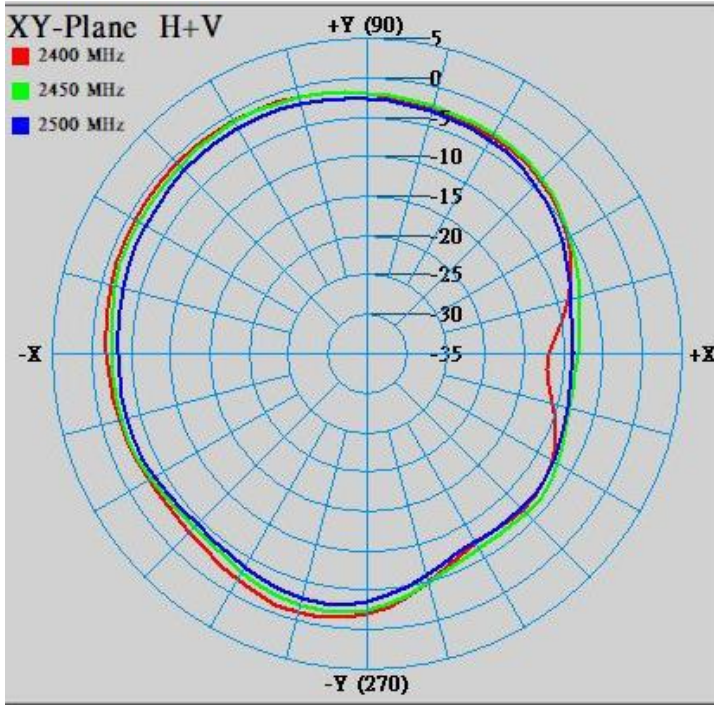
XZ Plane

| Frequency<br>(MHz) | Gain(dBi) |         |
|--------------------|-----------|---------|
|                    | Max       | Average |
| 2400               | -1.19     | -6.35   |
| 2450               | -1.36     | -6.64   |
| 2500               | -1.17     | -7.11   |



YZ Plane

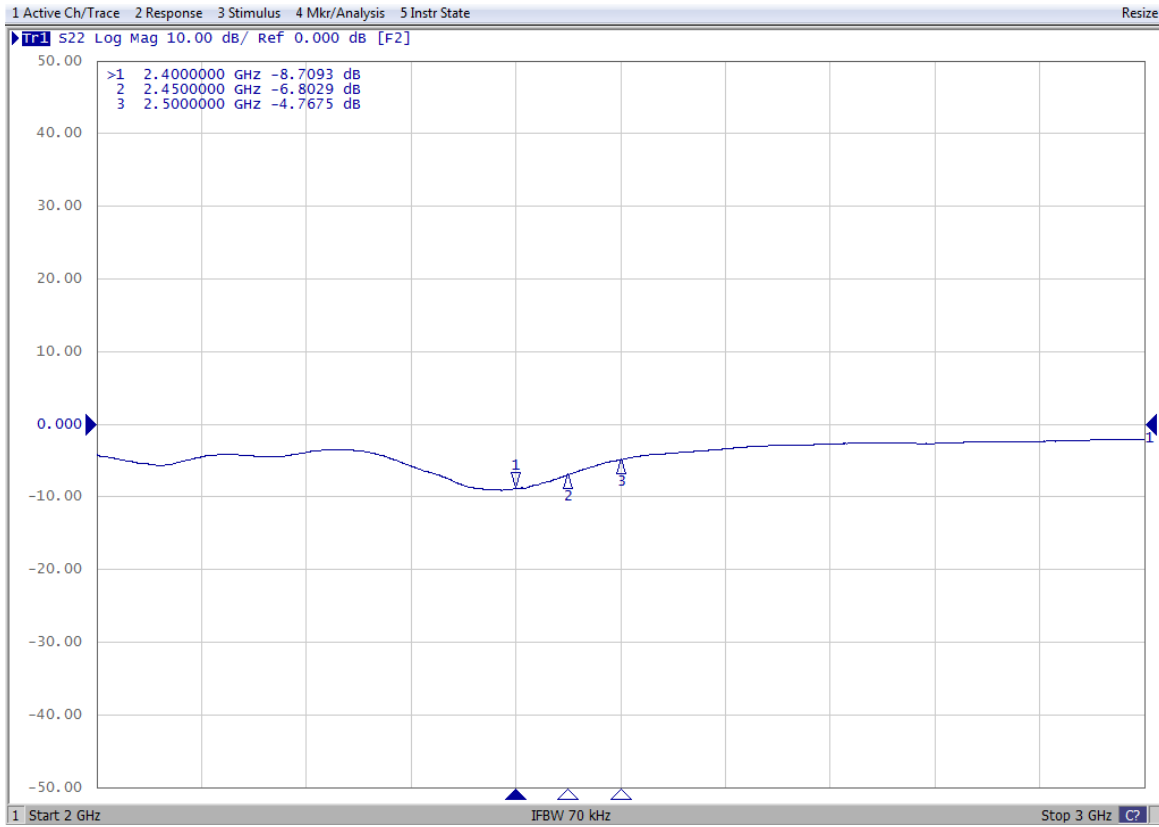
| Frequency<br>(MHz) | Gain(dBi) |         |
|--------------------|-----------|---------|
|                    | Max       | Average |
| 2400               | 0.96      | -3.96   |
| 2450               | -0.67     | -4.54   |
| 2500               | -1.96     | -5.38   |



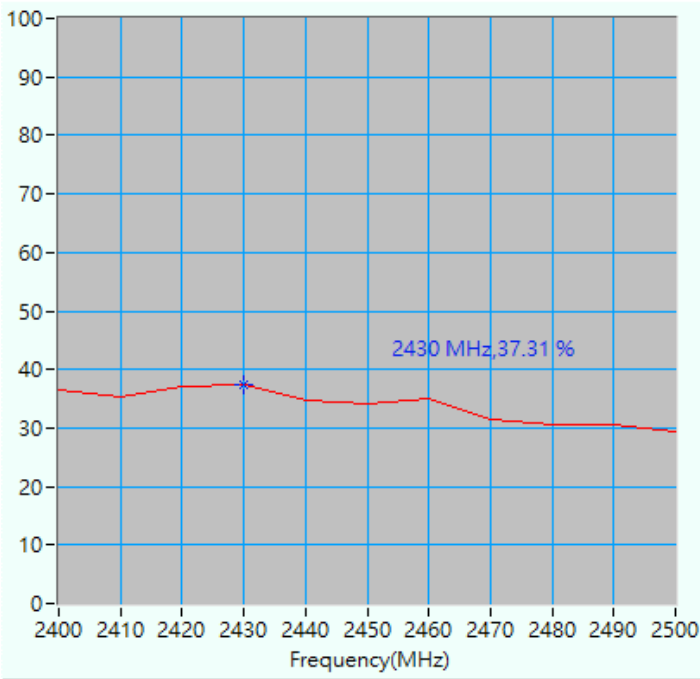
XY Plane

| Frequency (MHz) | Gain(dBi) |         |
|-----------------|-----------|---------|
|                 | Max       | Average |
| 2400            | -0.75     | -3.13   |
| 2450            | -1.09     | -3.32   |
| 2500            | -1.95     | -4.14   |

### S-Parameter



### Antenna Efficiency



| Frequency | ANT            |                 |
|-----------|----------------|-----------------|
|           | Efficiency (%) | Peak gain (dBi) |
| 2400      | 36.51          | 2.24            |
| 2450      | 34.07          | 0.47            |
| 2500      | 29.4           | -0.89           |

### Peak gain

