

# Antenna Specification

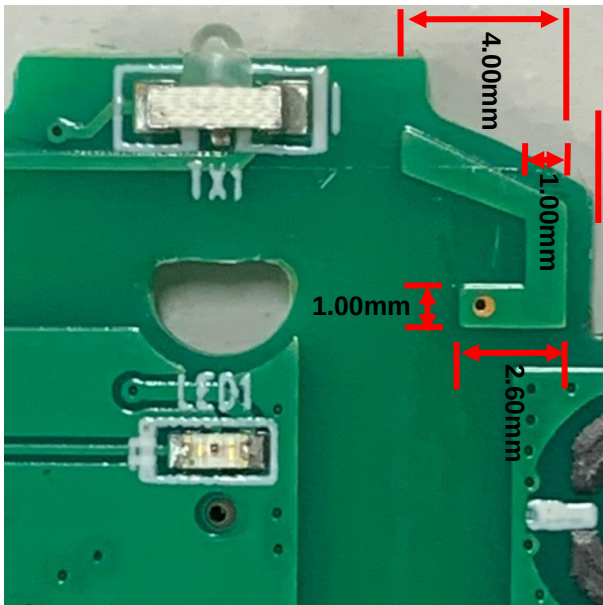
## Summary

|                         |                                       |
|-------------------------|---------------------------------------|
| ITEM                    | ANT SPEC                              |
| Model Name              | 2.4G ANT                              |
|                         |                                       |
| MAX. Gain               | -0.47dBi                              |
| Polarization            | Horizontal and Vertical               |
| Azimuth Beam<br>Pattern | Omni-directional                      |
| Impedance               | 50 Ohm                                |
| Antenna Length          | 38.20mm                               |
| Manufacture             | KYUNG IN ELECTRONIC(SHEN ZHEN)CO.,LTD |

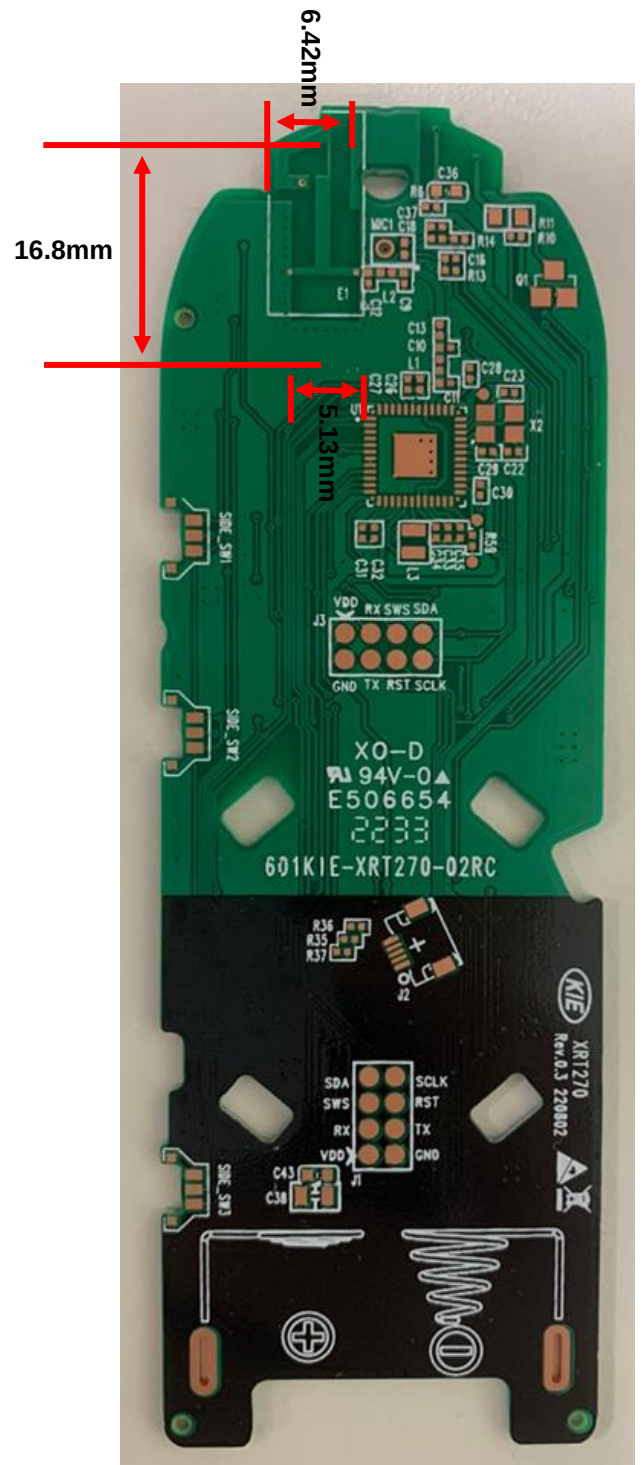
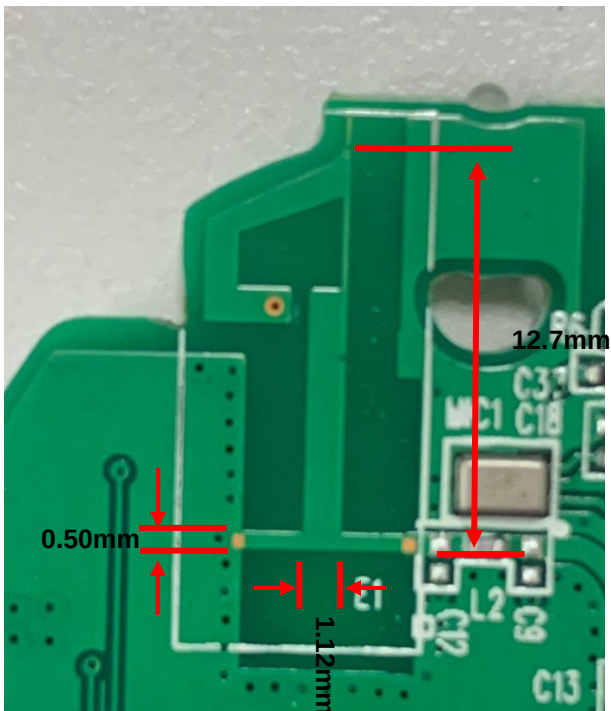
## 1. Antenna 외관

PCB Pattern Antenna

- PCB Top Side

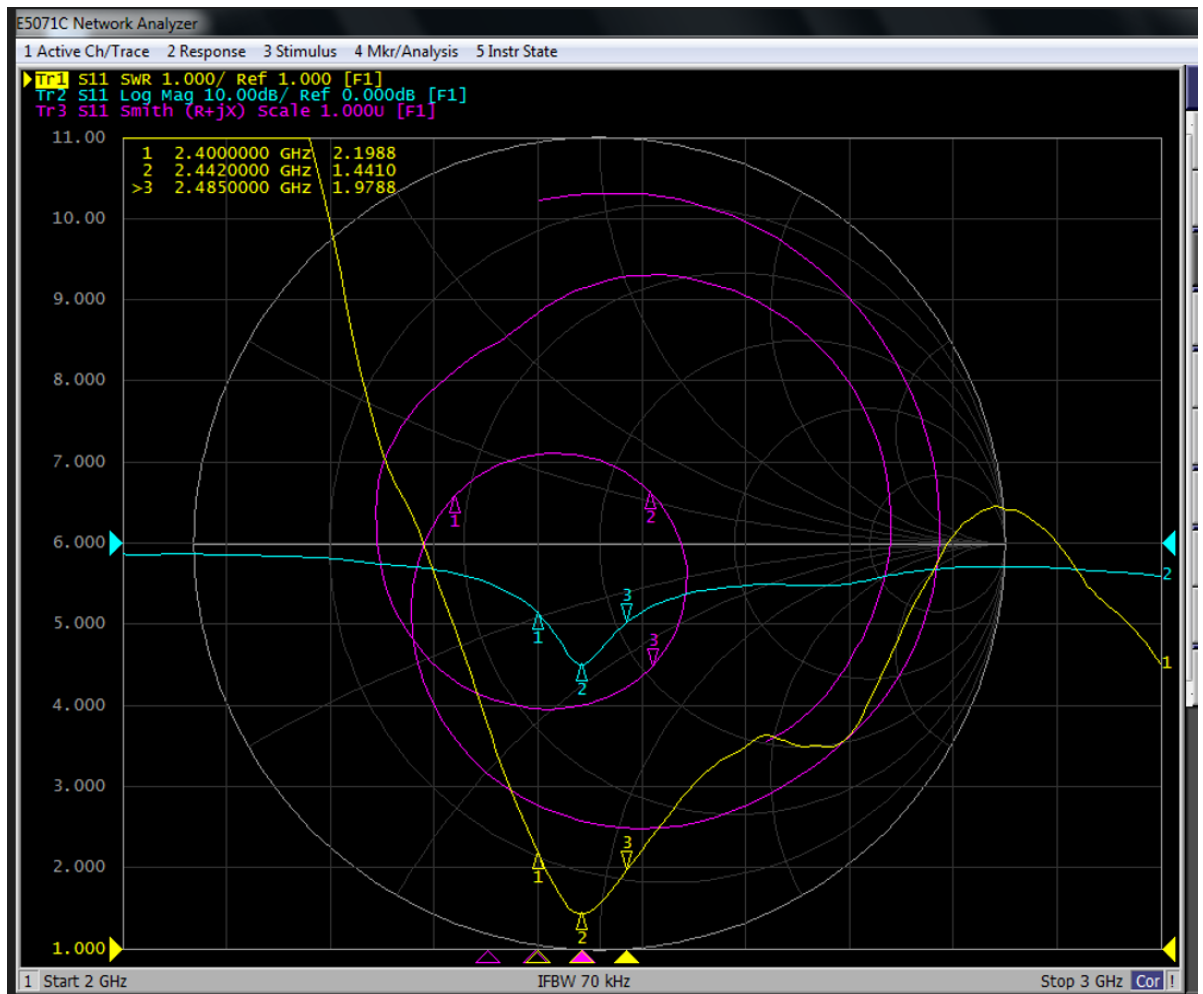


- PCB Bottom Side



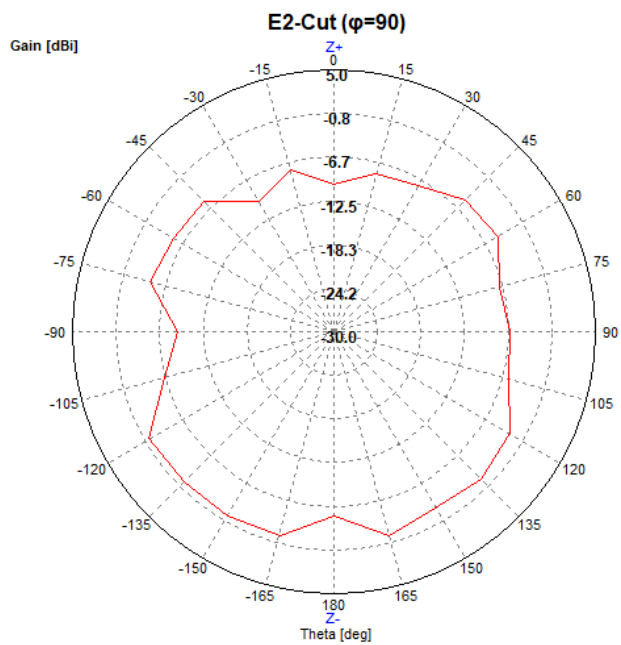
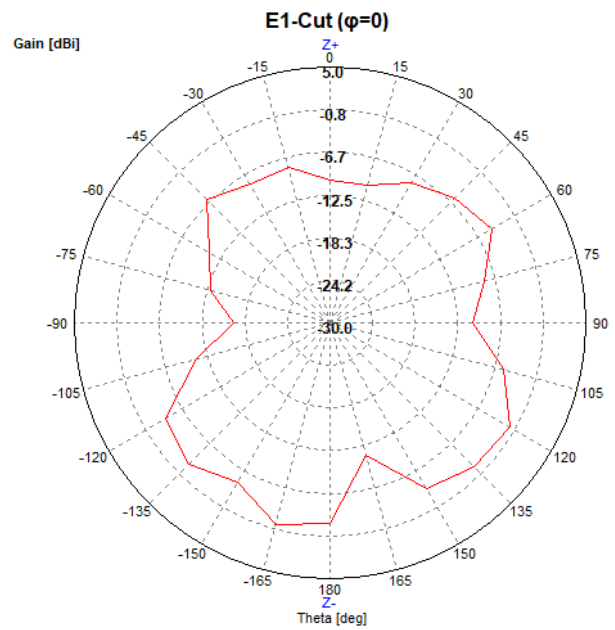
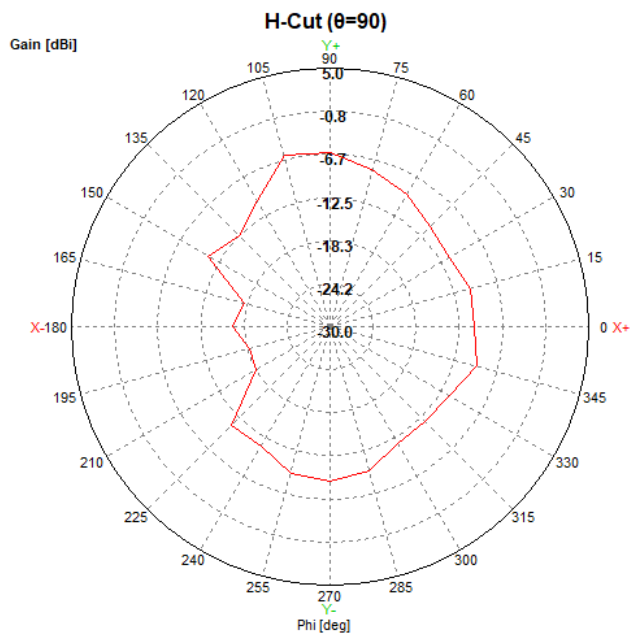
## 2. Characteristics curve

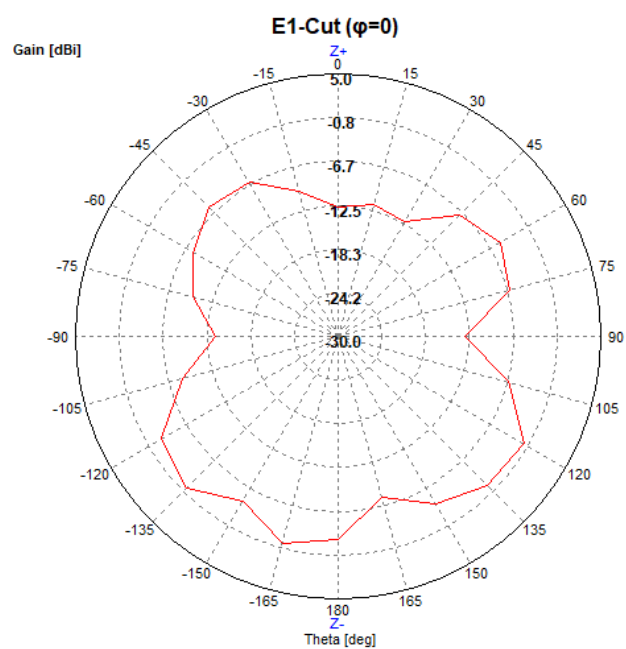
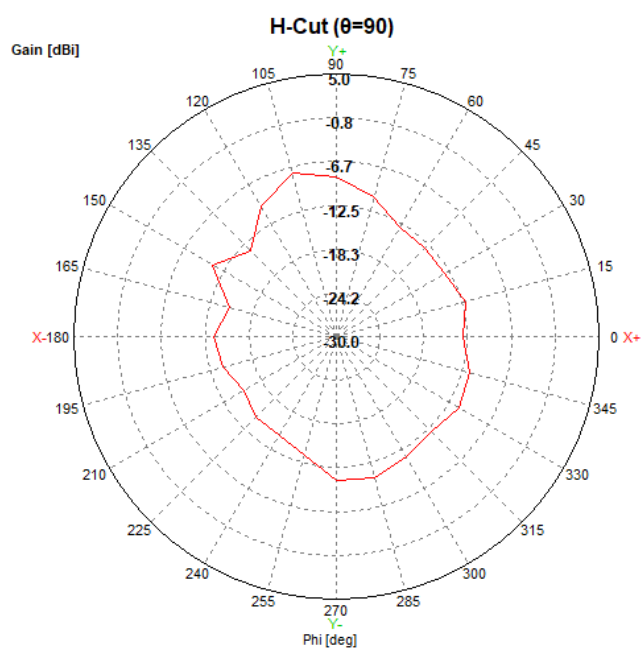
### 2.1 S11/ SWR



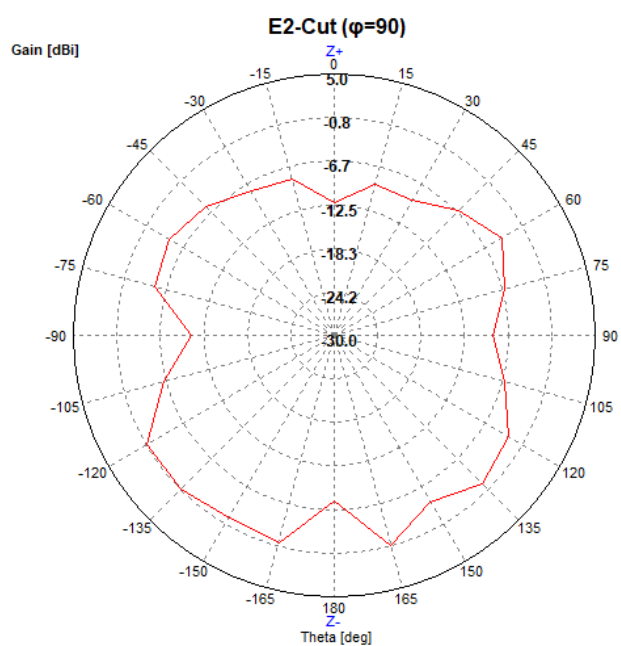
### 3. 2D Radiation characteristics of antenna

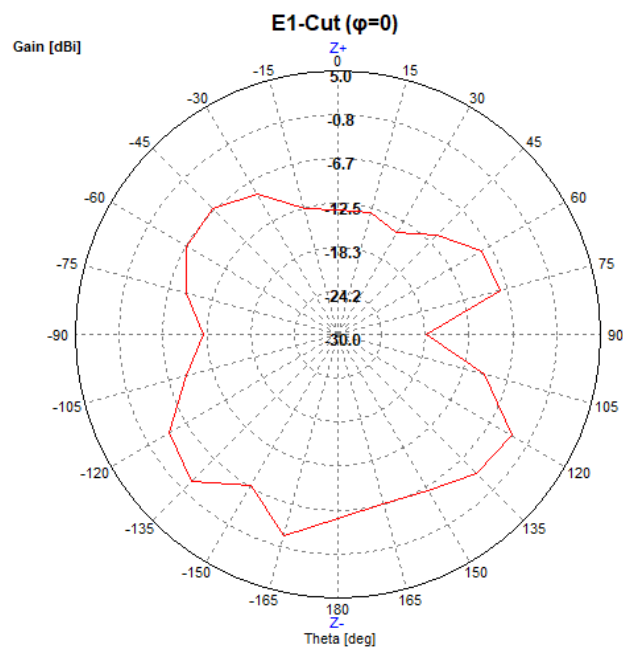
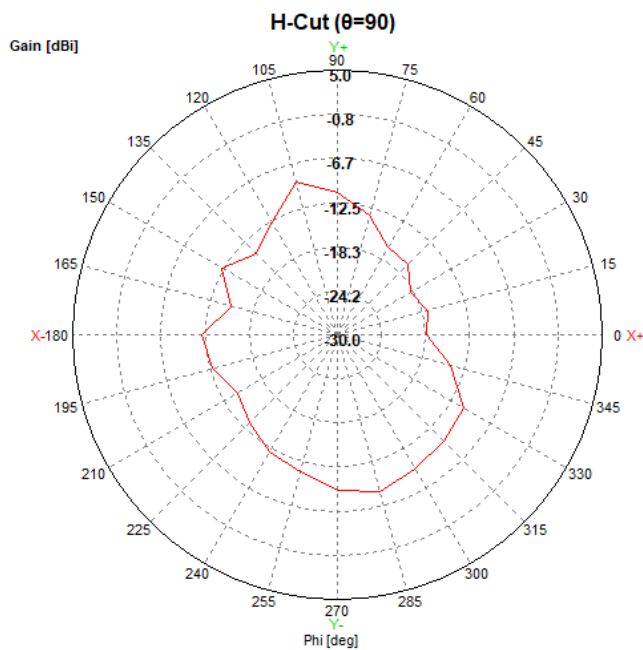
#### 3.1 Frequency 2400 MHz



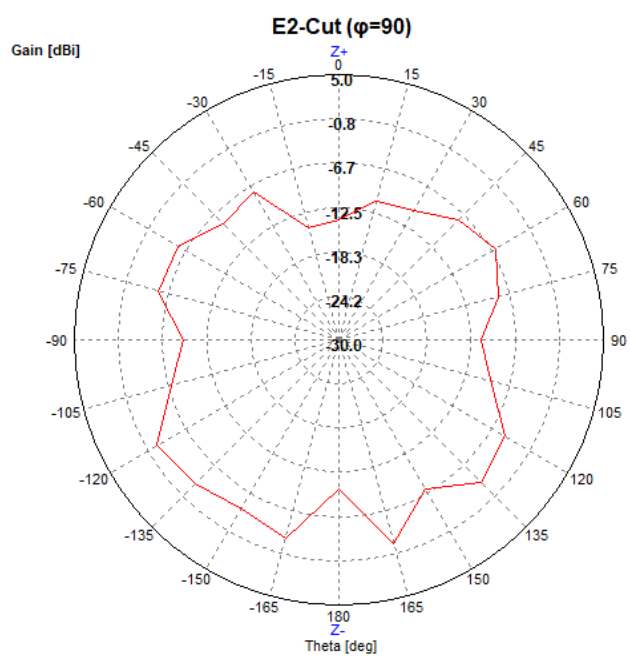


3.2 Frequency 2440.000MHz





### 3.3 Frequency 2480.000MHz



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### 3.4 Result Summary

| Freq.[GHz] | Eff.[%] | Avg.[dBi] | Peak[dBi] |
|------------|---------|-----------|-----------|
| 2.40       | 30.10   | -5.21     | -0.66     |
| 2.44       | 31.65   | -5.00     | -0.47     |
| 2.48       | 22.76   | -6.43     | -1.59     |