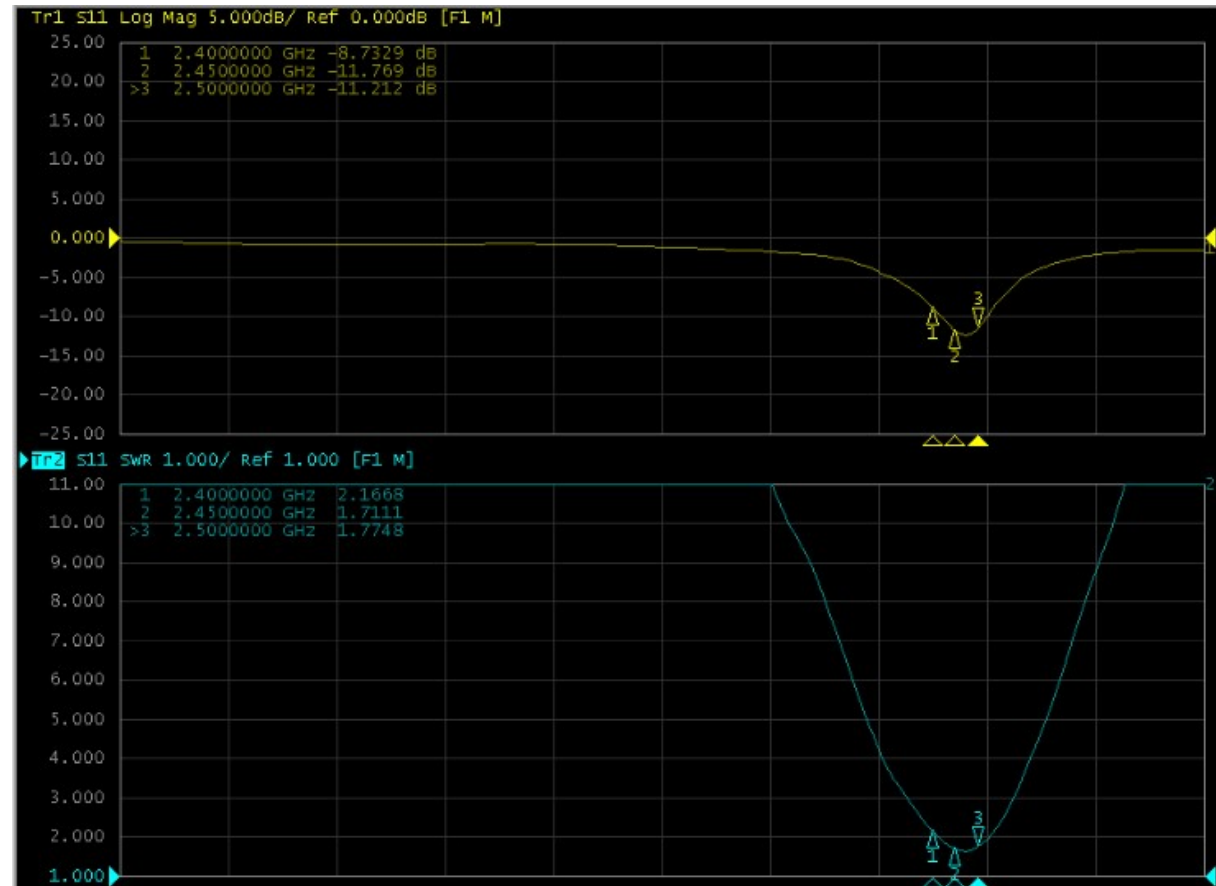
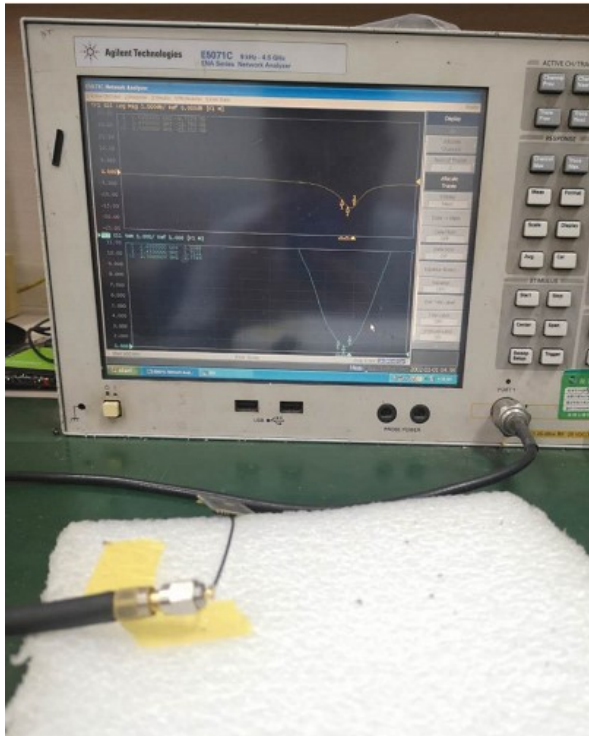
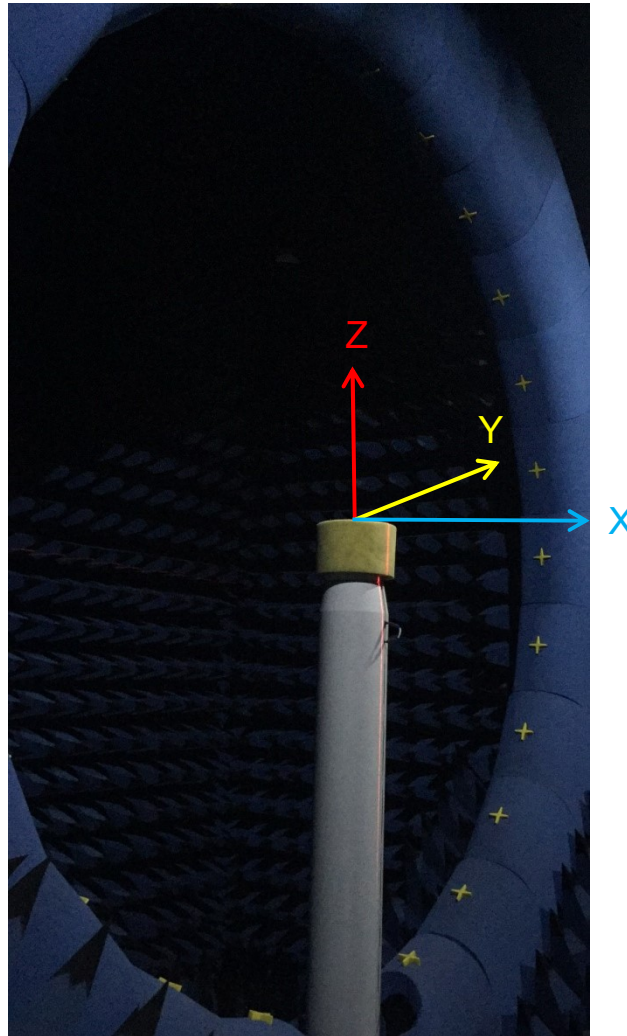
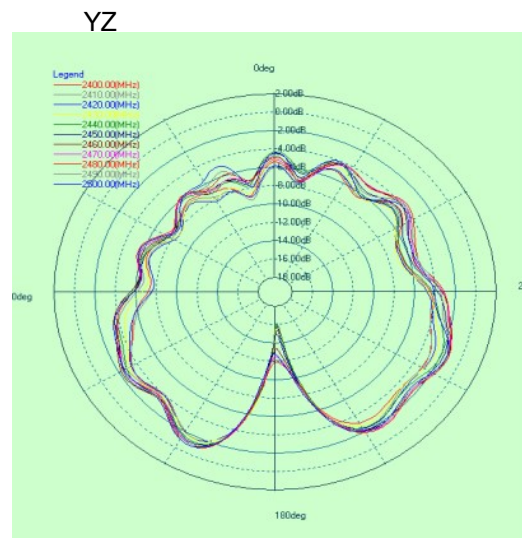
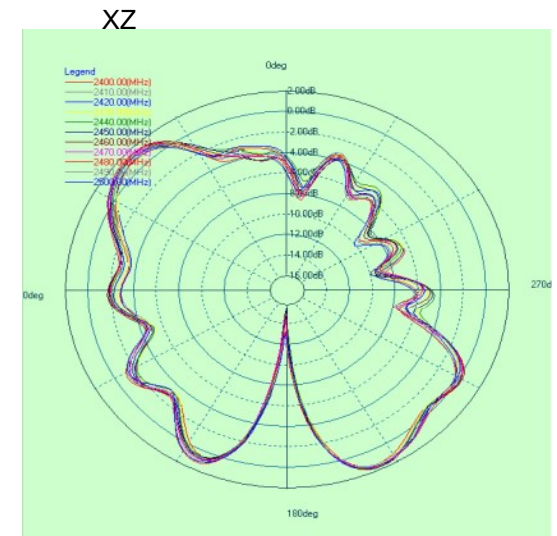
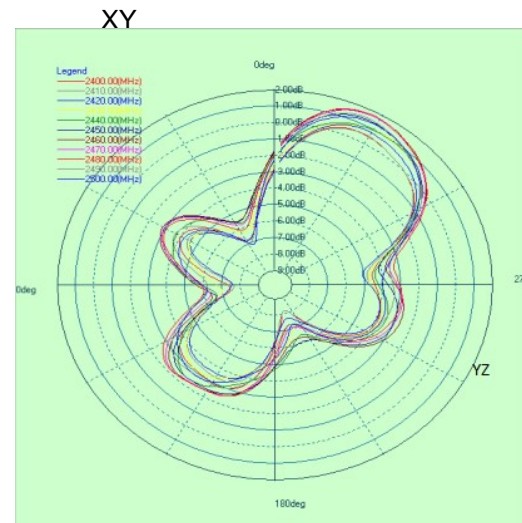
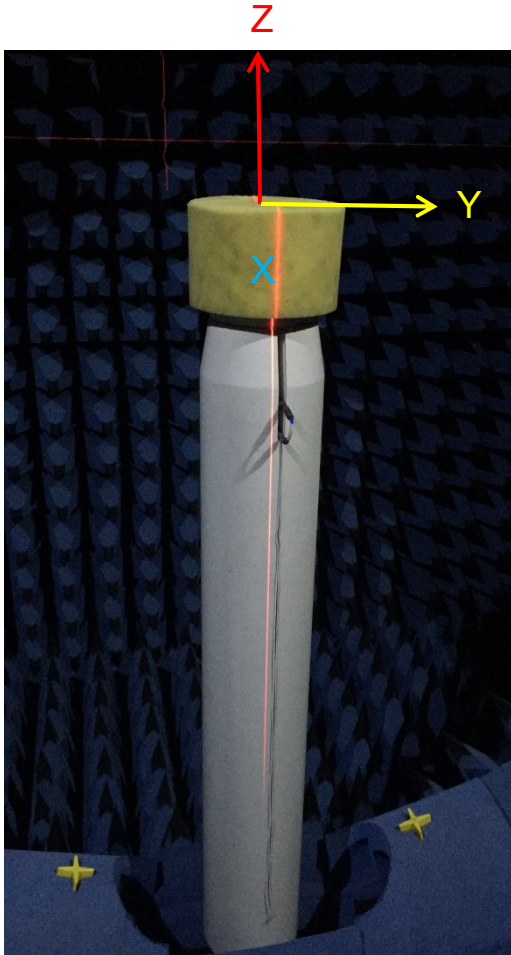


|                |                  |
|----------------|------------------|
| CUSTOMER NAME: | Hangzhou TUYA    |
| PRODUCT NAME:  | WBR2             |
| Ren Feng P/N:  | WBR2 PCB ANTENNA |
| WRITED:        | Wang Long        |
| DATE:          | 20200120         |
| VERSIONS:      | A                |



| Frequency (MHz) | 2400  | 2450   | 2500   |
|-----------------|-------|--------|--------|
| Return Loss     | -8.73 | -11.76 | -11.21 |
| VSWR            | 2.16  | 1.71   | 1.77   |





| Freq. (MHz) | Effi (%) | Gain (dBi) |
|-------------|----------|------------|
| 2400        | 52.29    | 1.62       |
| 2410        | 52.17    | 1.71       |
| 2420        | 53.14    | 1.93       |
| 2430        | 54.16    | 1.98       |
| 2440        | 57.62    | 2.00       |
| 2450        | 59.64    | 2.17       |
| 2460        | 61.55    | 2.45       |
| 2470        | 60.64    | 2.38       |
| 2480        | 62.86    | 2.54       |
| 2490        | 59.85    | 2.30       |
| 2500        | 60.41    | 2.49       |