

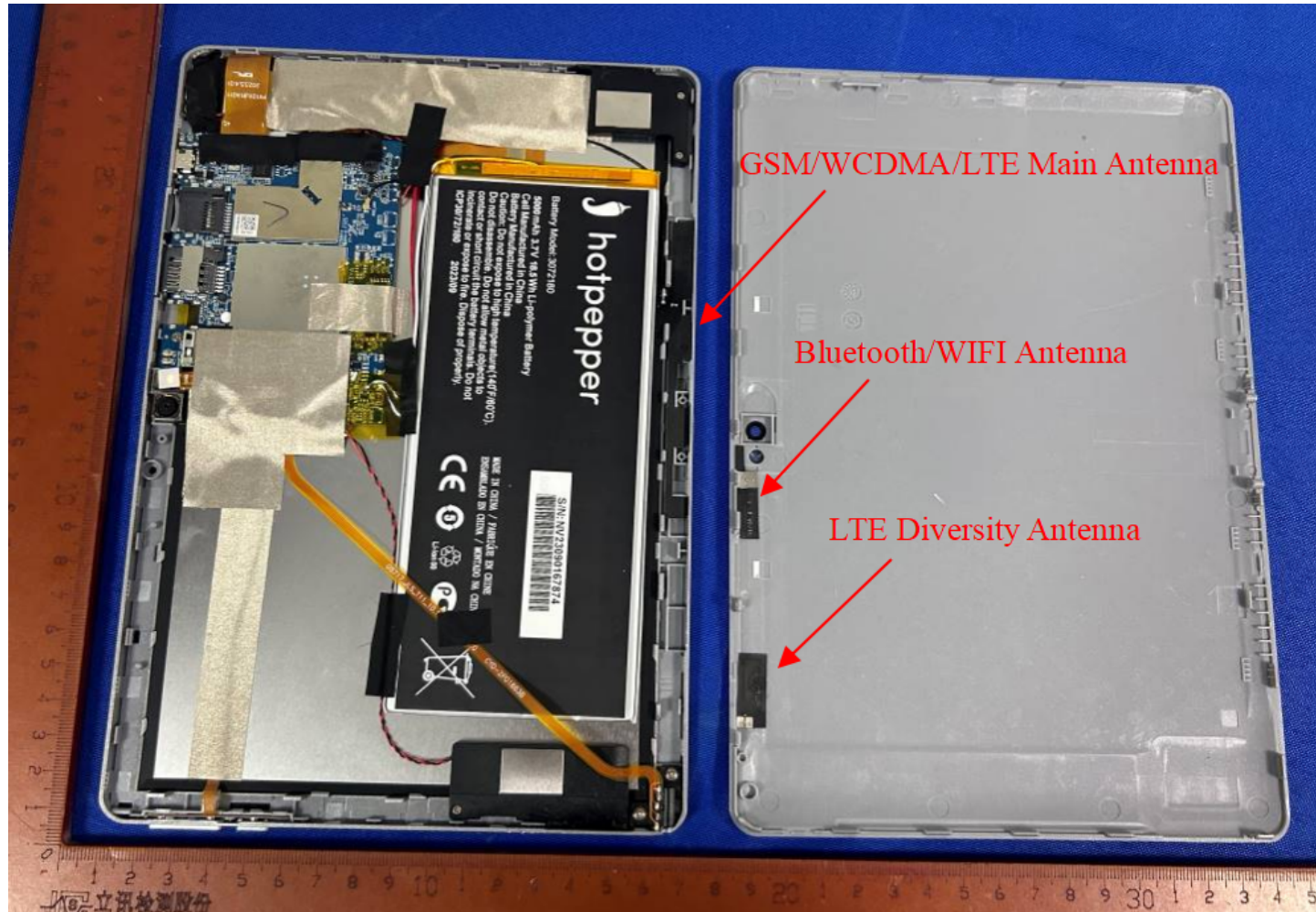
## Antenna specification

Manufacturer: Suowode

Model: MQ1055SA

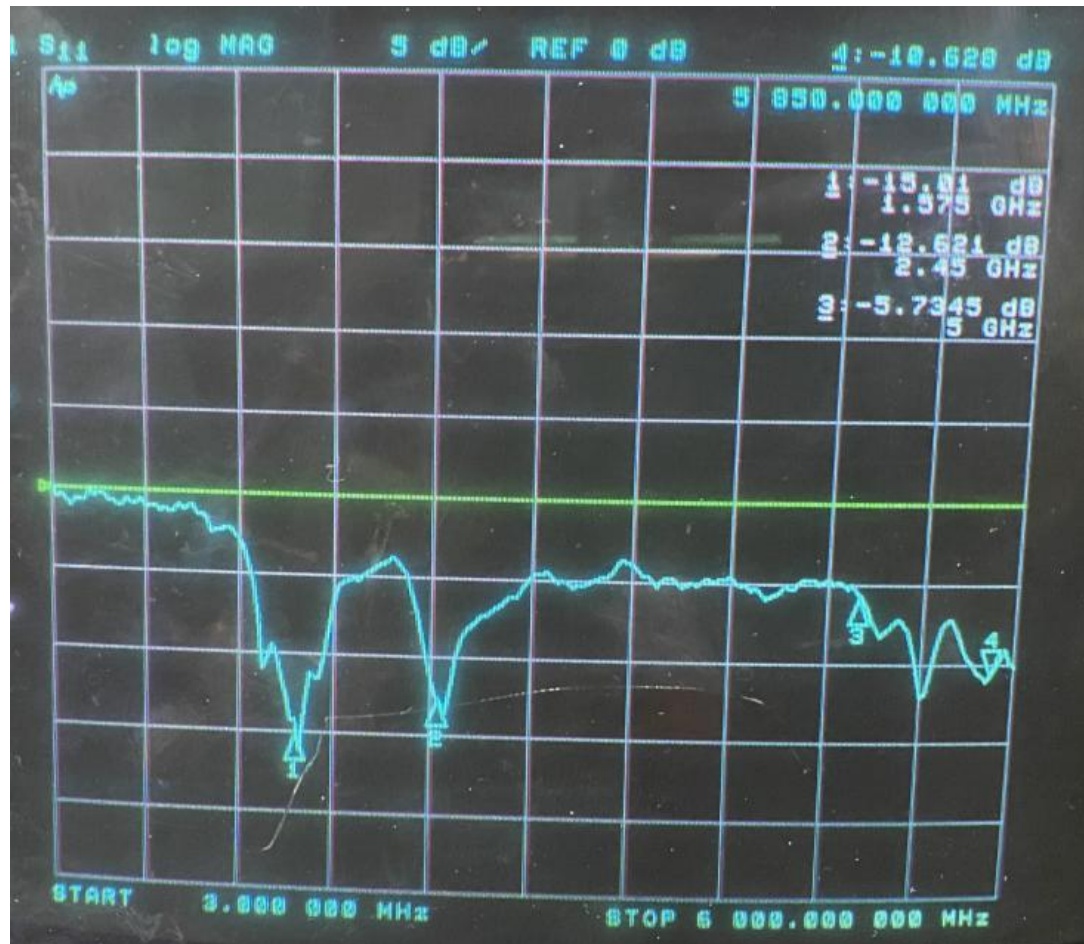
Frequency range: 2400-2500MHz; 5000-6000MHz

## Antenna position



# SWARD

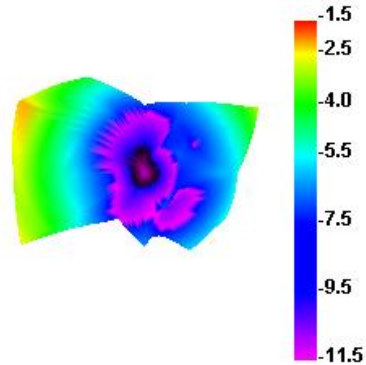
## Bluetooth/WIFI Antenna S11



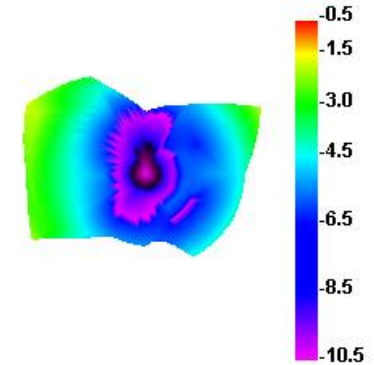
## Bluetooth/2.4G WIFI Antenna Gain

| Passive Test For 2.4G |       |       |       |
|-----------------------|-------|-------|-------|
| Freq                  | Effi  | Effi  | Gain  |
| (MHz)                 | (%)   | (dB)  | (dBi) |
| 2400                  | 22.44 | -6.49 | -1.54 |
| 2410                  | 18.9  | -7.24 | -1.99 |
| 2420                  | 21.06 | -6.77 | -1.27 |
| 2430                  | 21.78 | -6.62 | -1.04 |
| 2440                  | 23.13 | -6.36 | -0.83 |
| 2450                  | 24.8  | -6.06 | -0.46 |
| 2460                  | 22.05 | -6.57 | -0.77 |
| 2470                  | 18.81 | -7.26 | -1.36 |
| 2480                  | 17.73 | -7.51 | -1.56 |
| 2490                  | 20.45 | -6.89 | -0.96 |
| 2500                  | 22.06 | -6.56 | -0.54 |

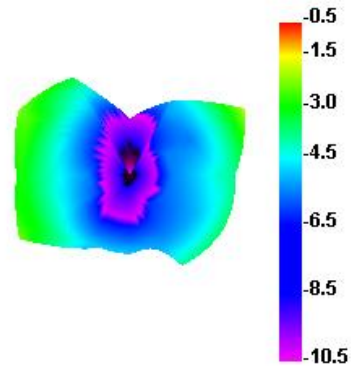
2400.000MHz



2450.000MHz



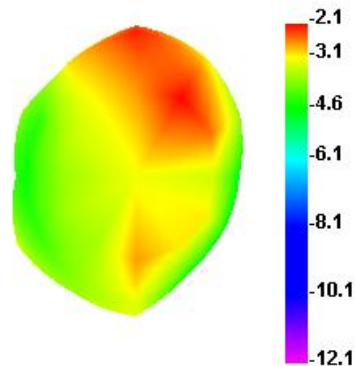
2500.000MHz



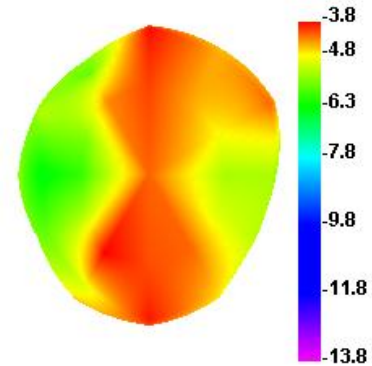
## 5G WIFI Antenna Gain

| Passive Test For 5G-WIFI |       |       |       |
|--------------------------|-------|-------|-------|
| Freq                     | Effi  | Effi  | Gain  |
| (MHz)                    | (%)   | (dB)  | (dBi) |
| 5000                     | 24.98 | -6.02 | -2.12 |
| 5100                     | 22.63 | -6.45 | -2.24 |
| 5200                     | 27.02 | -5.68 | -1.61 |
| 5300                     | 30.16 | -5.21 | -1.11 |
| 5400                     | 26.17 | -5.82 | -2.04 |
| 5500                     | 18.88 | -7.24 | -3.76 |
| 5600                     | 11.44 | -9.41 | -4.87 |
| 5700                     | 20.43 | -6.9  | -1.98 |
| 5800                     | 24.25 | -6.15 | -0.8  |
| 5900                     | 34.26 | -4.65 | 0.13  |
| 6000                     | 37    | -4.32 | 0.65  |

5000.000MHz



5500.000MHz



6000.000MHz

