



深圳市天达通信有限公司

# Su7-BLE Antenna test report

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Date : 2024.12.12

# BLE antenna passive data

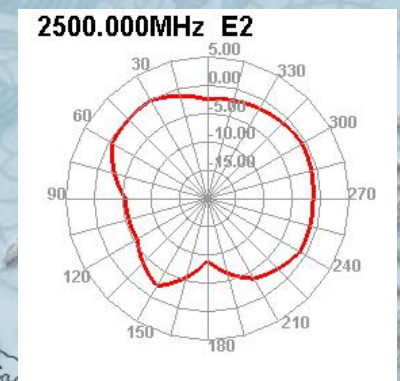
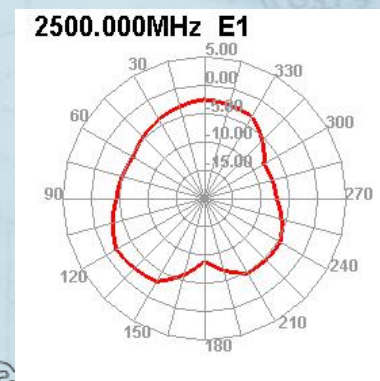
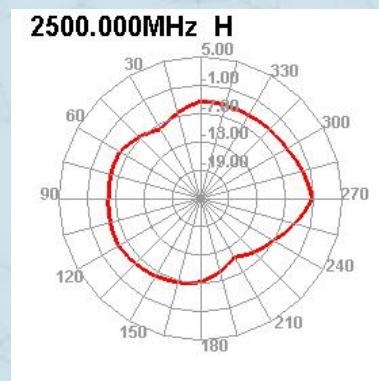
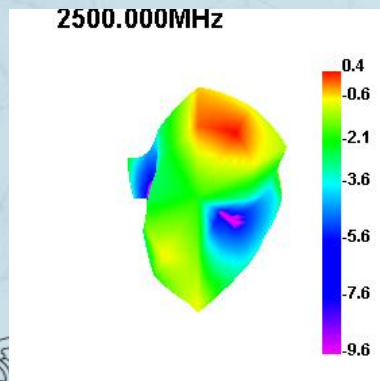
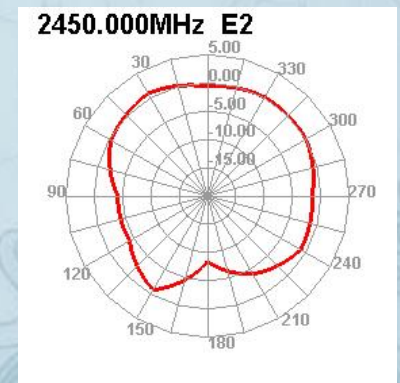
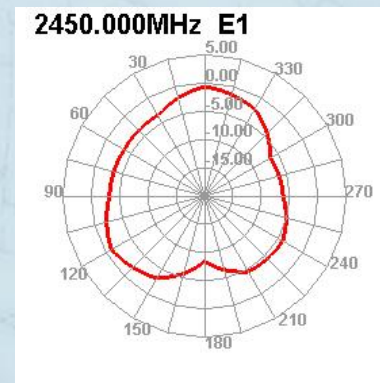
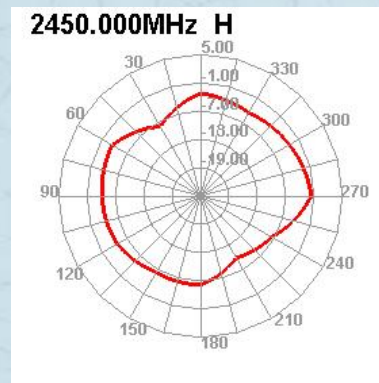
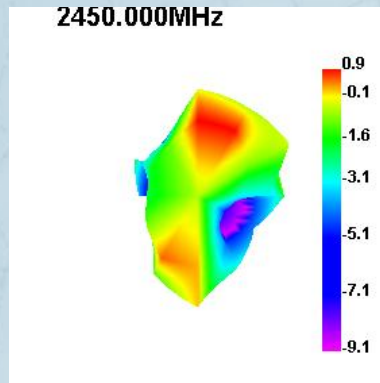
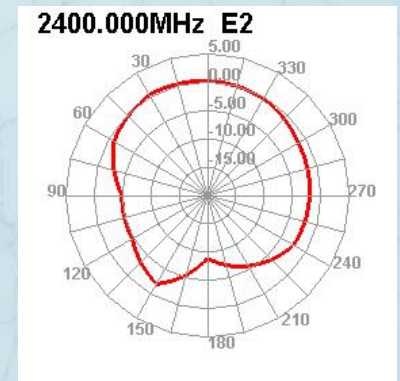
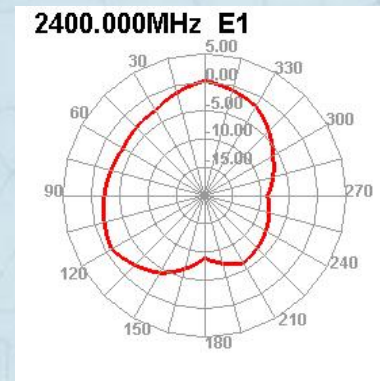
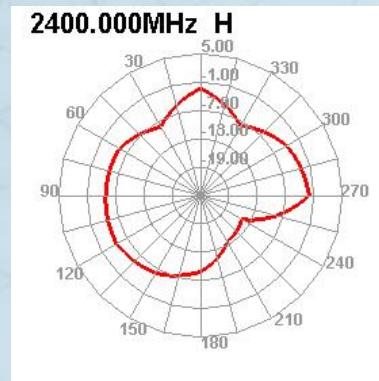
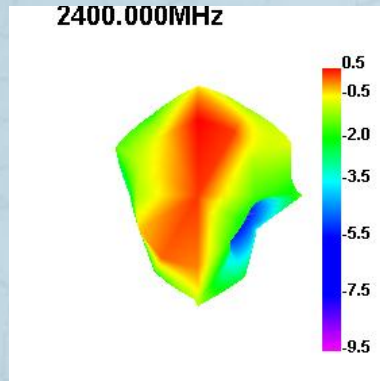


S11

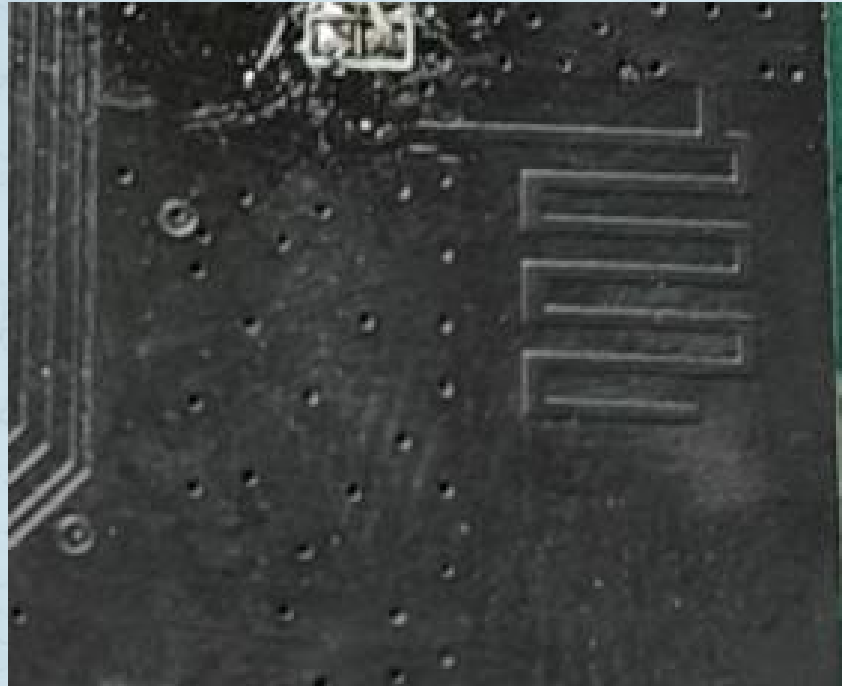
# BLE antenna passive data

| Passive Test For 2.4G-BT |             |              |               |               |            |             |              |              |
|--------------------------|-------------|--------------|---------------|---------------|------------|-------------|--------------|--------------|
| Freq<br>(MHz)            | Effi<br>(%) | Effi<br>(dB) | Gain<br>(dBi) | Gain<br>(dBd) | UHS<br>(%) | DHIS<br>(%) | AttH<br>(dB) | AttV<br>(dB) |
| 2400                     | 42.28       | -3.74        | 0.5           | -1.65         | 24.255     | 18.027      | 46.87        | 46.81        |
| 2410                     | 46.42       | -3.33        | 1.02          | -1.13         | 26.767     | 19.65       | 47.08        | 47.17        |
| 2420                     | 46.34       | -3.34        | 1.06          | -1.09         | 26.737     | 19.607      | 47.06        | 47.12        |
| 2430                     | 44.56       | -3.51        | 0.81          | -1.34         | 25.377     | 19.185      | 47           | 47.09        |
| 2440                     | 47.73       | -3.21        | 0.96          | -1.19         | 26.621     | 21.109      | 47.5         | 47.69        |
| 2450                     | 49.01       | -3.1         | 0.92          | -1.23         | 26.62      | 22.39       | 47.48        | 47.63        |
| 2460                     | 45.97       | -3.38        | 0.64          | -1.51         | 24.505     | 21.466      | 47.73        | 47.89        |
| 2470                     | 43.64       | -3.6         | 0.46          | -1.69         | 22.768     | 20.872      | 47.81        | 48.06        |
| 2480                     | 45.47       | -3.42        | 0.68          | -1.47         | 23.649     | 21.817      | 47.79        | 47.96        |
| 2490                     | 44.75       | -3.49        | 0.71          | -1.44         | 23.399     | 21.349      | 48.2         | 48.46        |
| 2500                     | 42.25       | -3.74        | 0.45          | -1.7          | 22.425     | 19.824      | 47.83        | 48.01        |

# BLE antenna pattern



# BLE Antenna





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Thank You