

Antenna Specifications

Wi-Fi 2.4 GHz Antenna (CLP2)

Passive Electrical Specification

- **Antenna Type:** LDS Antenna on Plastic Frame
- **Frequency Range:** 2400 MHz – 2483.5 MHz
- **Input Impedance:** 50 Ω
- **Efficiency:** -6.57 dB
- **Peak Gain:** -2.05 dBi

Physical Position

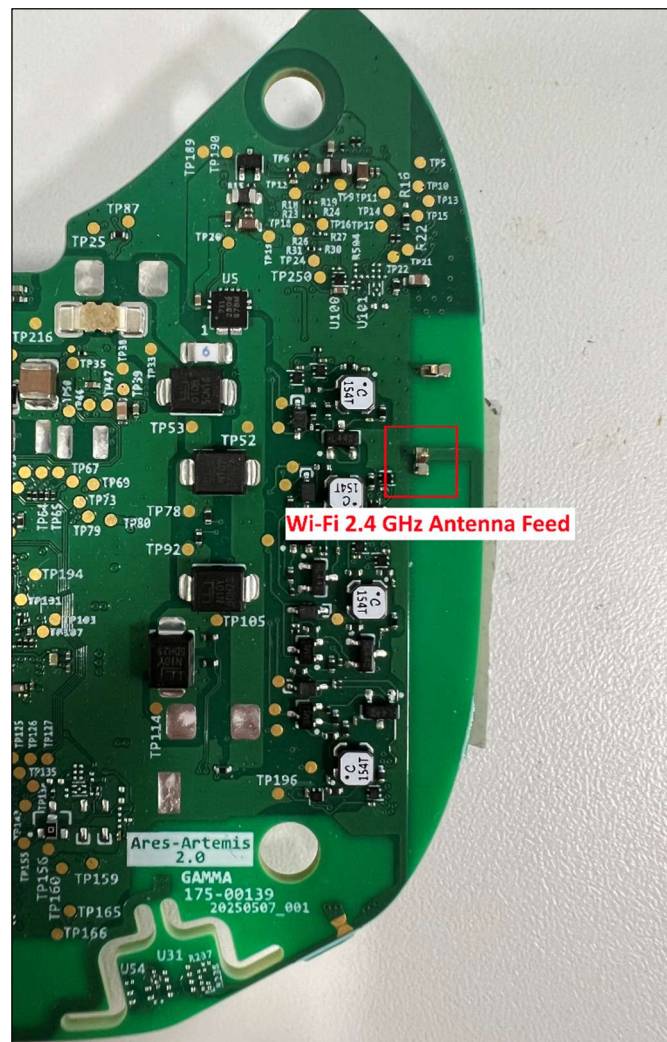


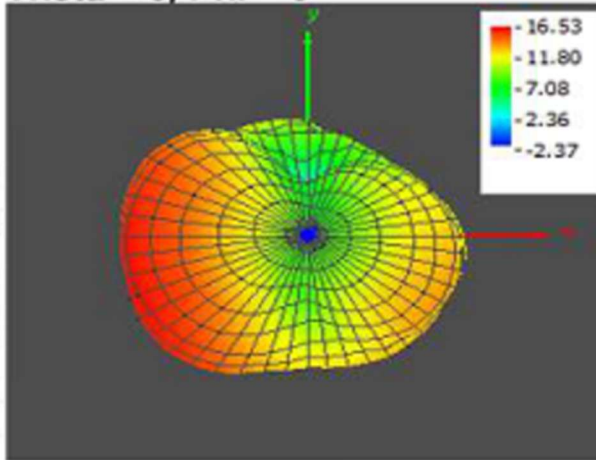
Figure 1: 2.4 GHz Antenna Feed



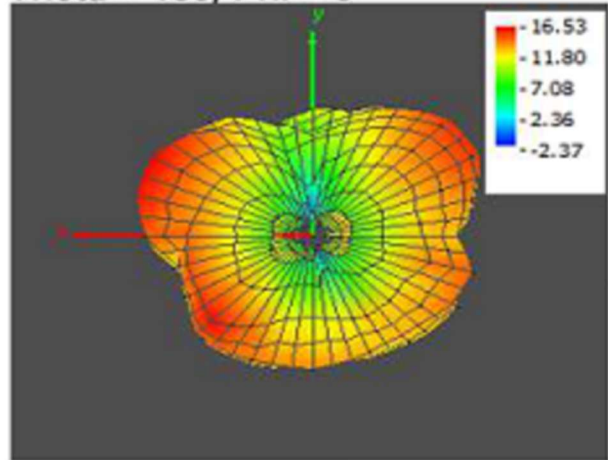
Figure 2: 2.4 GHz LDS Antenna

Radiation Patterns

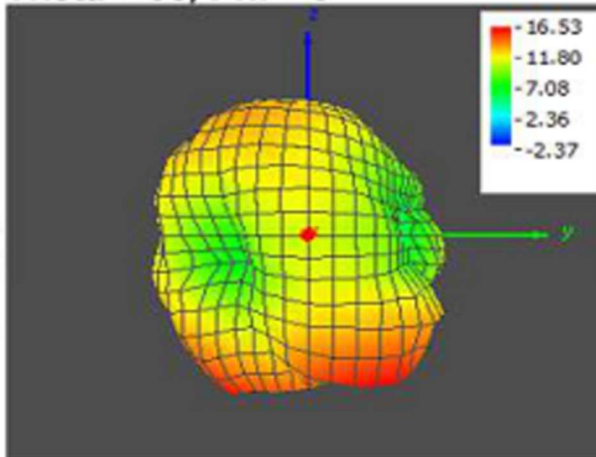
Theta = 0, Phi = 0



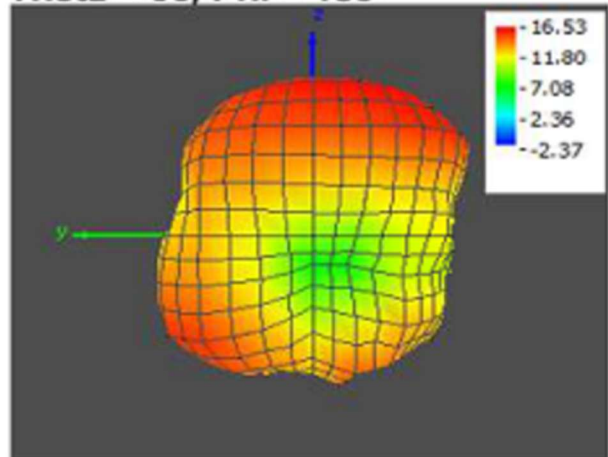
Theta = 180, Phi = 0



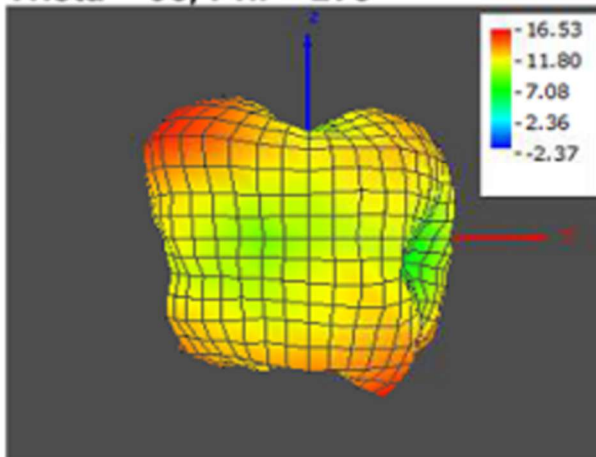
Theta = 90, Phi = 0



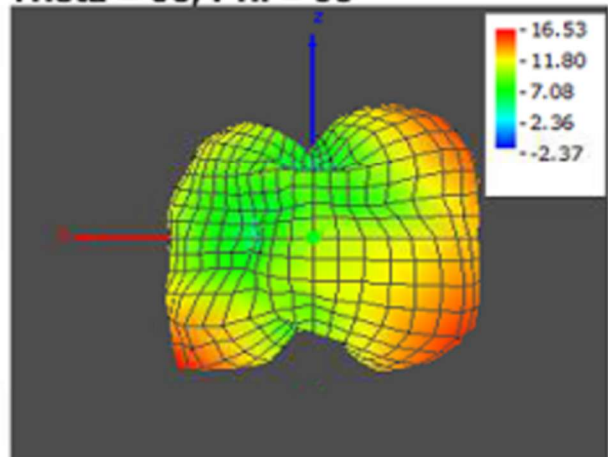
Theta = 90, Phi = 180



Theta = 90, Phi = 270



Theta = 90, Phi = 90



Wi-Fi 5 GHz Antenna (CLP1)

Passive Electrical Specification

- **Antenna Type:** LDS Antenna on Plastic Frame
- **Frequency Range:** 5150 MHz – 5850 MHz
- **Input Impedance:** 50 Ω
- **Efficiency:** -7.98 dB
- **Peak Gain:** -1.88 dBi

Physical Position

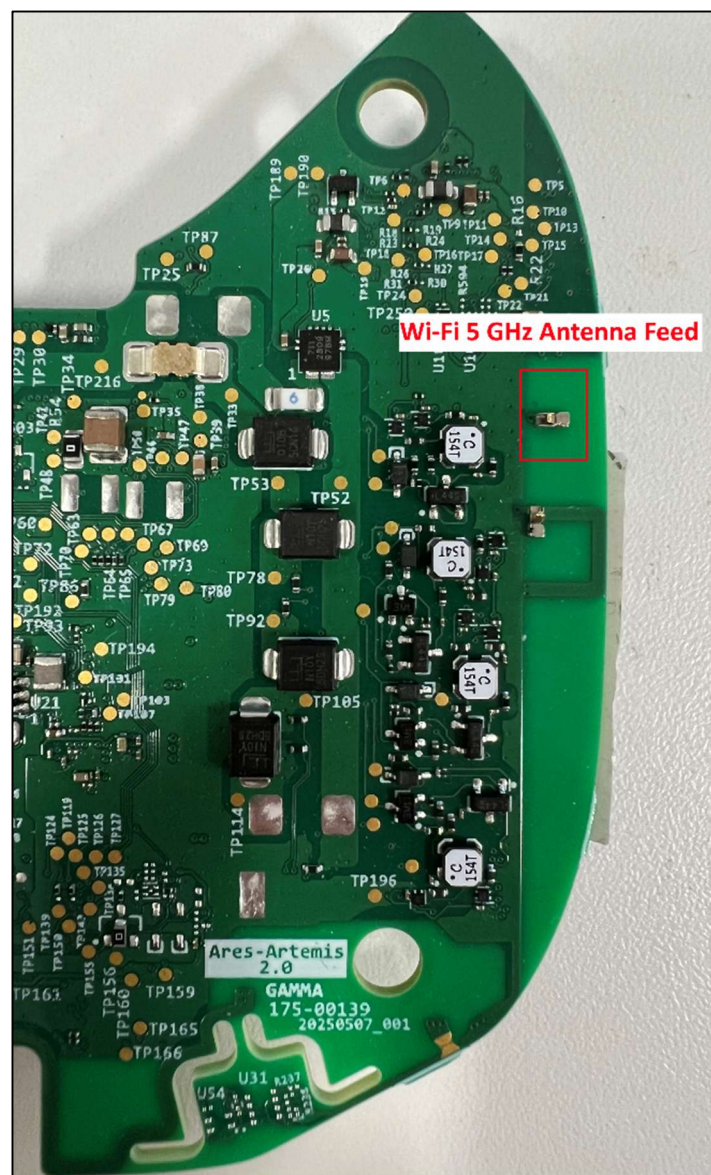


Figure 3: 5 GHz Antenna Feed

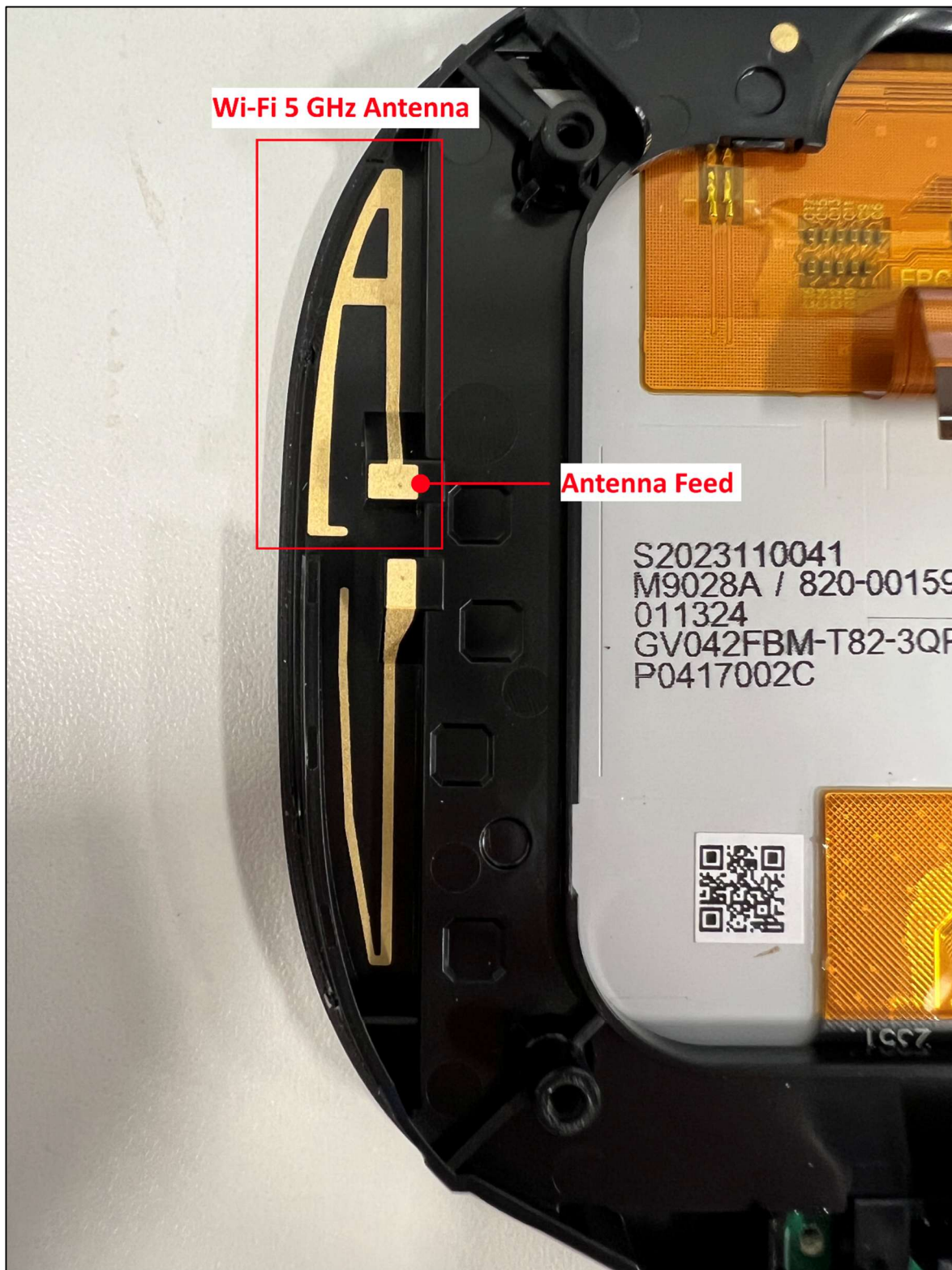
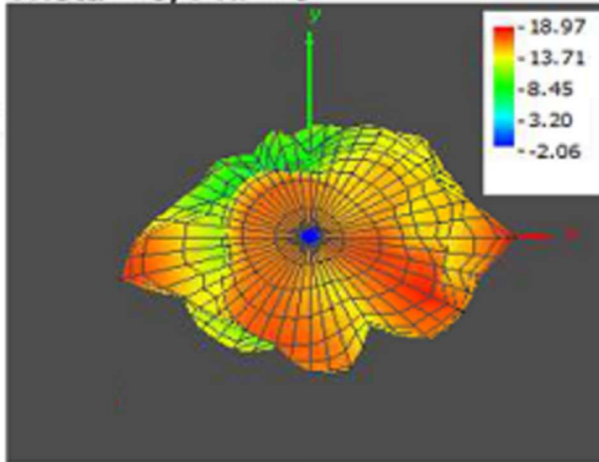


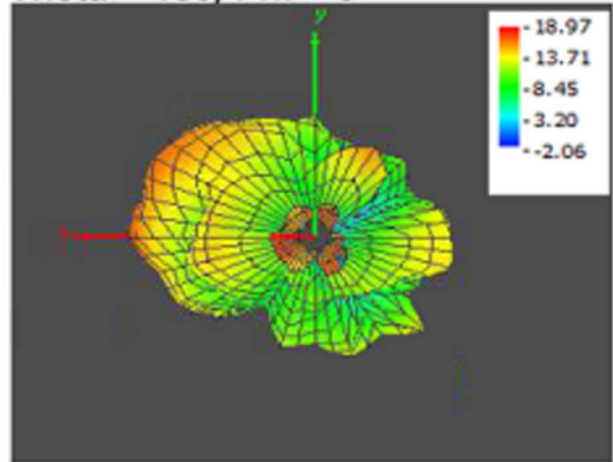
Figure 4: 2.4 GHz LDS Antenna

Radiation Patterns

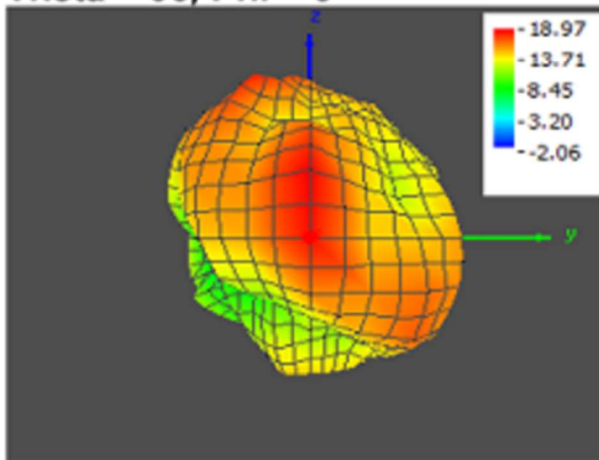
$\theta = 0, \phi = 0$



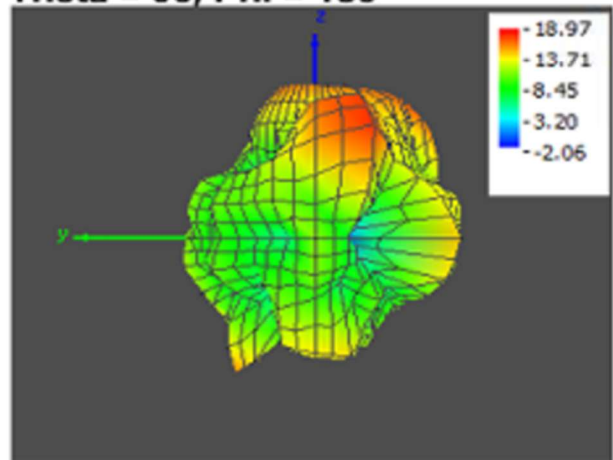
$\theta = 180, \phi = 0$



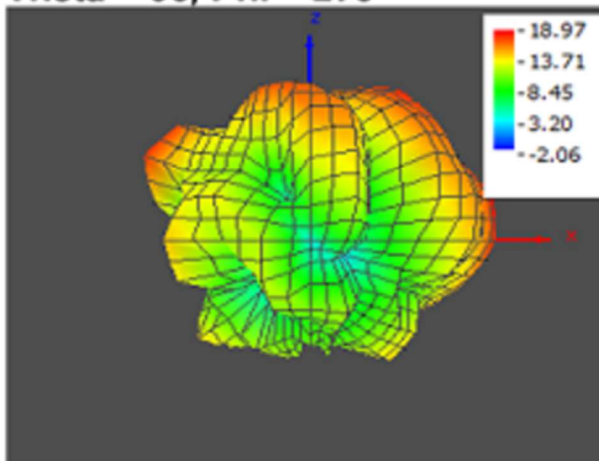
$\theta = 90, \phi = 0$



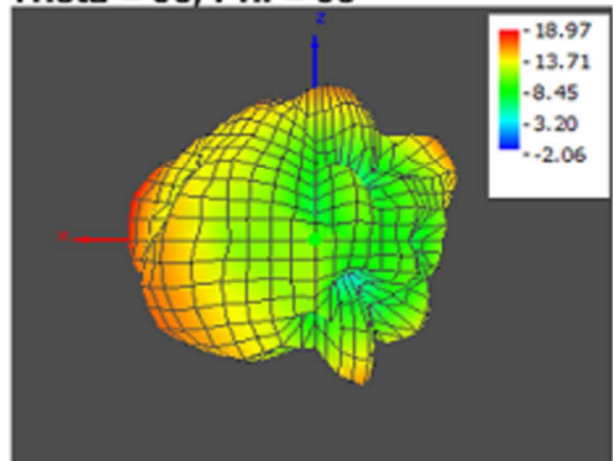
$\theta = 90, \phi = 180$



$\theta = 90, \phi = 270$



$\theta = 90, \phi = 90$



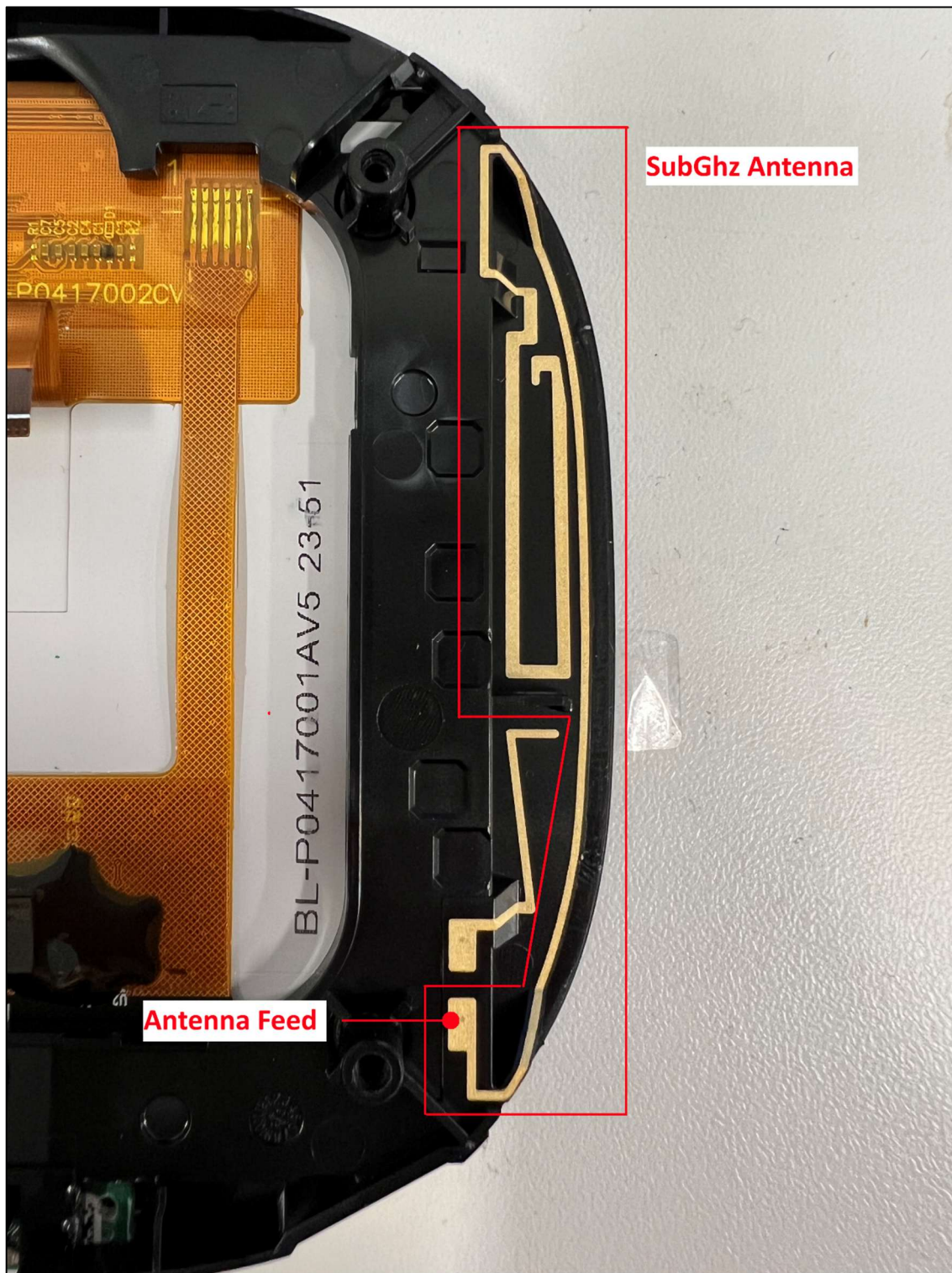
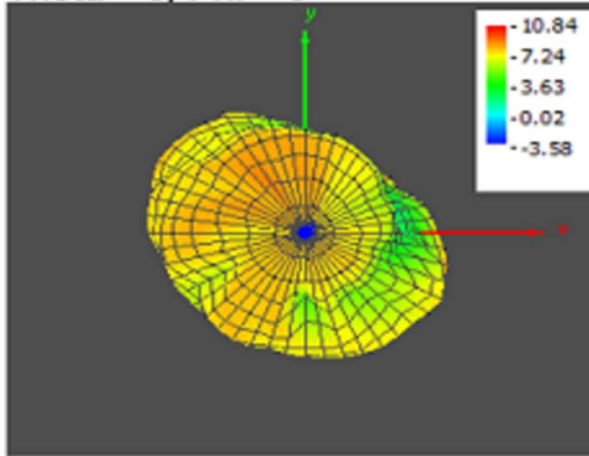


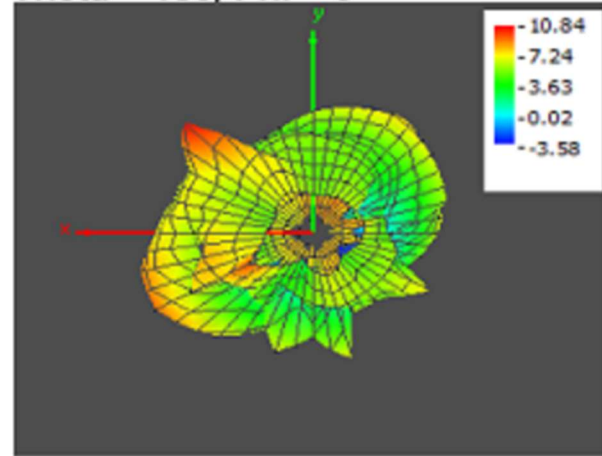
Figure 6: SubGHz LDS Antenna

Radiation Patterns

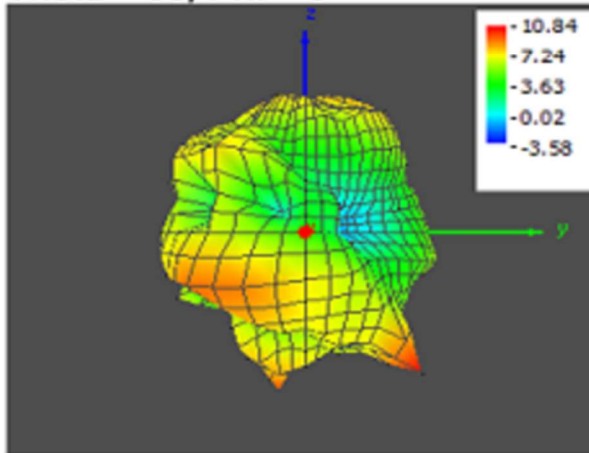
Theta = 0, Phi = 0



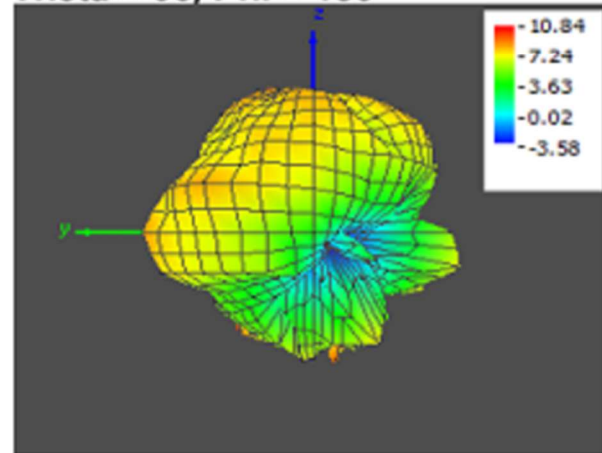
Theta = 180, Phi = 0



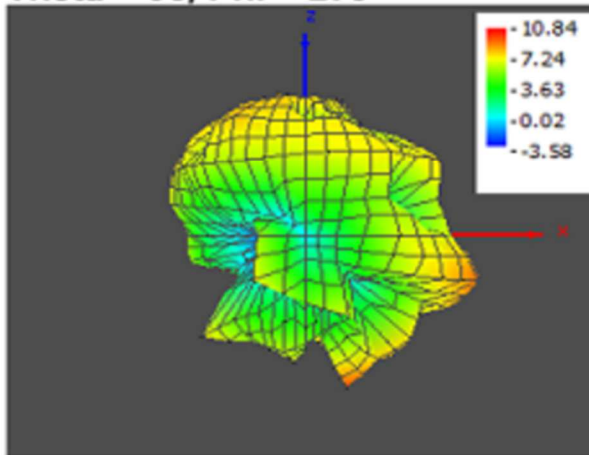
Theta = 90, Phi = 0



Theta = 90, Phi = 180



Theta = 90, Phi = 270



Theta = 90, Phi = 90

