

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:** -3.56 dB
- **Peak Gain:** 1.76 dBi

Physical Position



Figure 1: 2.4GHz Antenna Feed

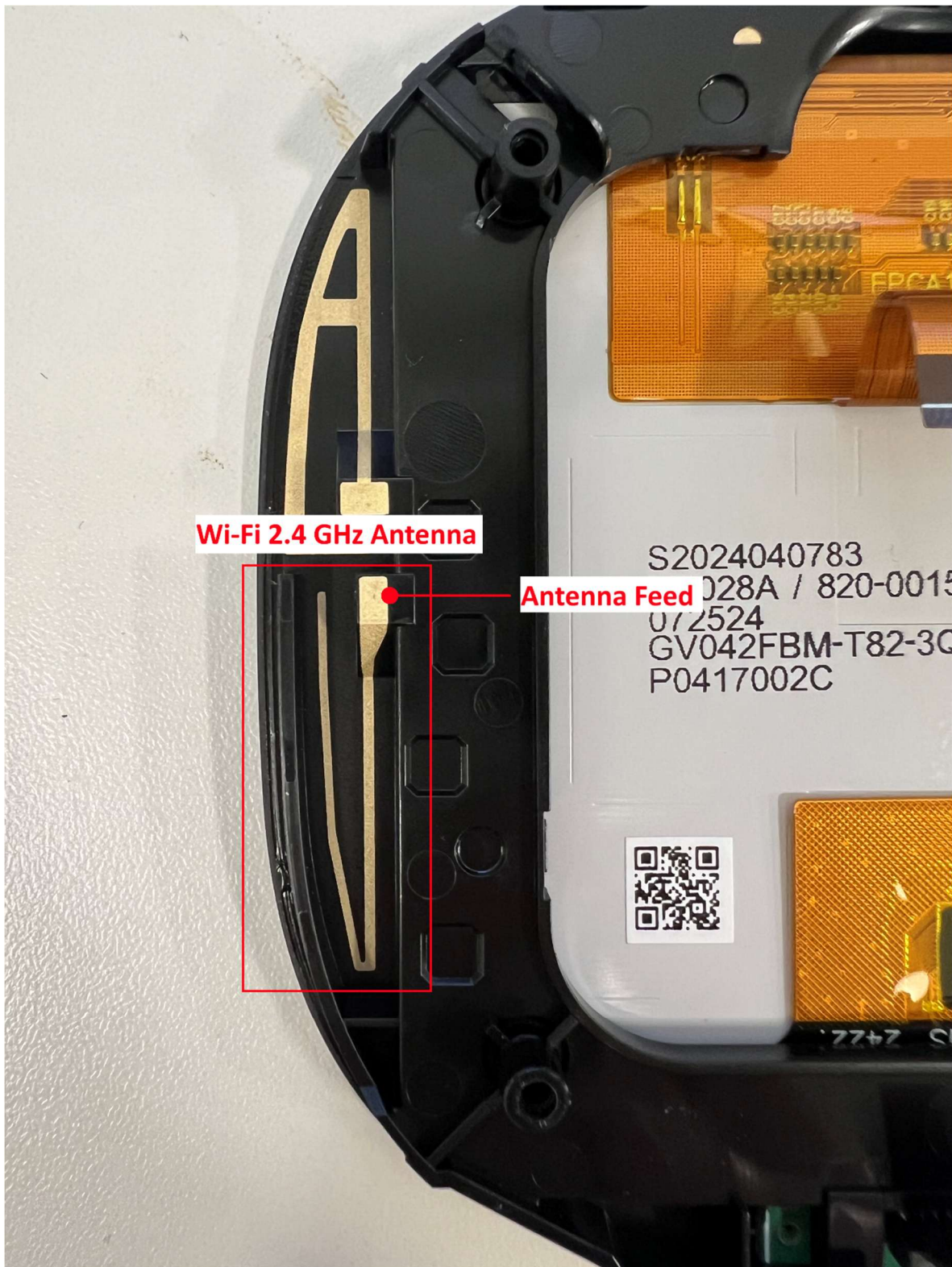
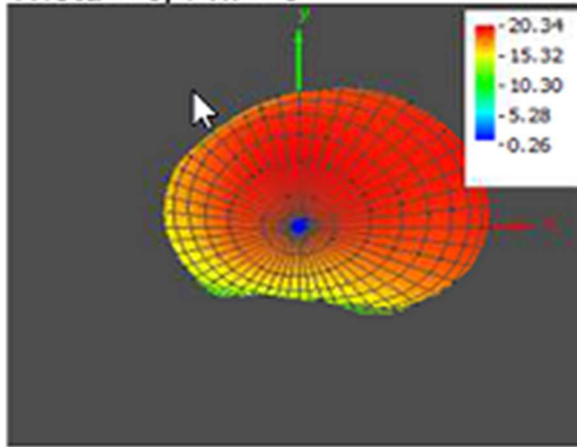


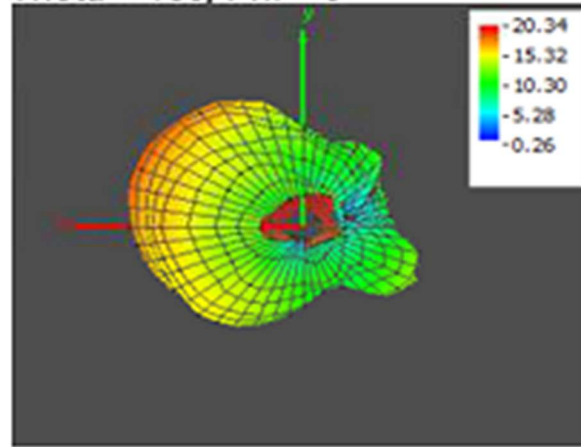
Figure 2: 2.4GHz LDS Antenna

Radiation Patterns

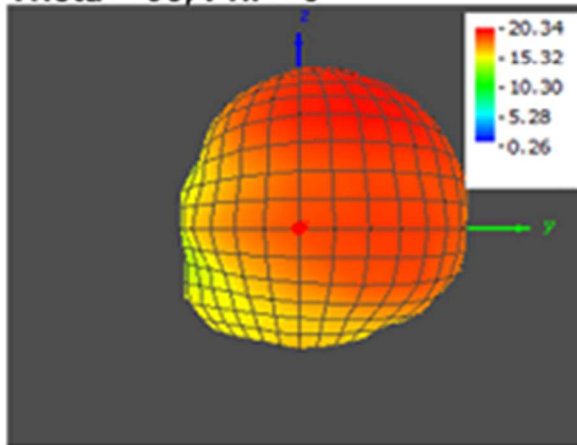
Theta = 0, Phi = 0



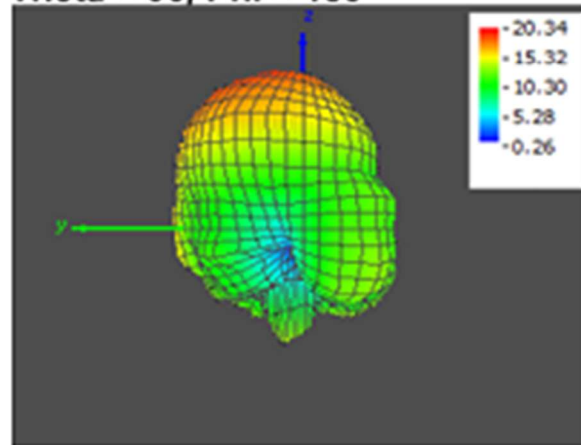
Theta = 180, Phi = 0



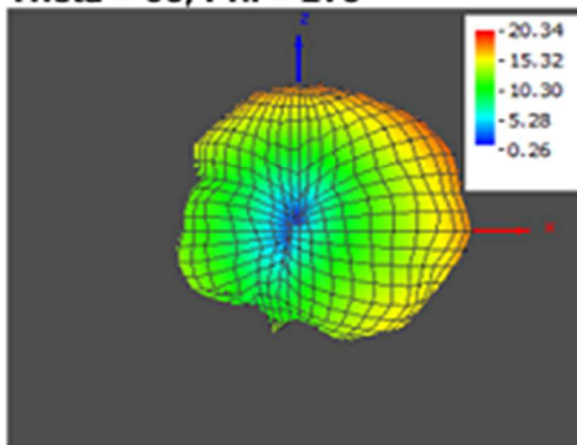
Theta = 90, Phi = 0



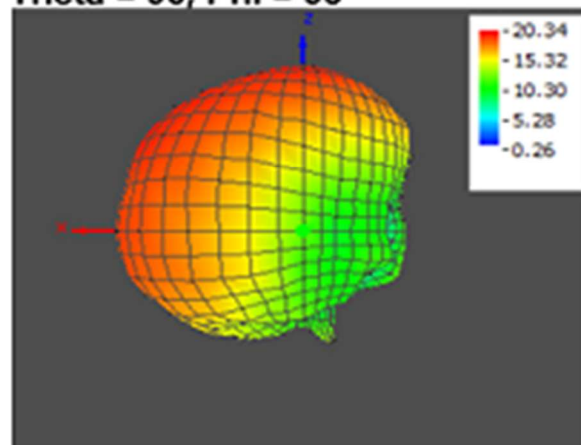
Theta = 90, Phi = 180



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:** -5.17 dB
- **Peak Gain:** 1.82 dBi

Physical Position



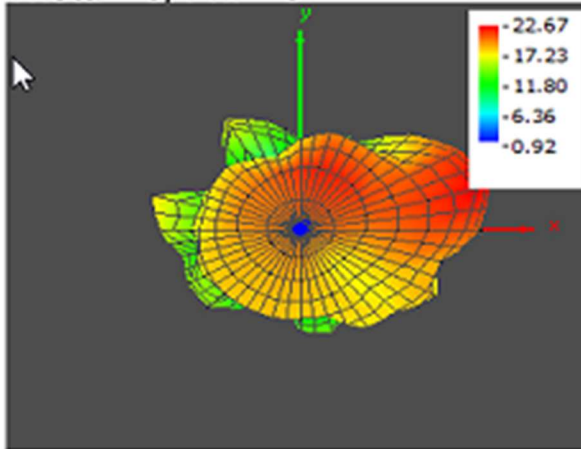
Figure 3: 5 GHz Antenna Feed



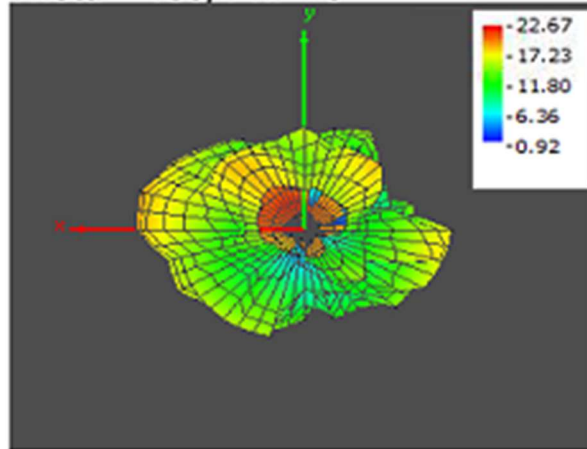
Figure 4: 2.4GHz LDS Antenna

Radiation Patterns

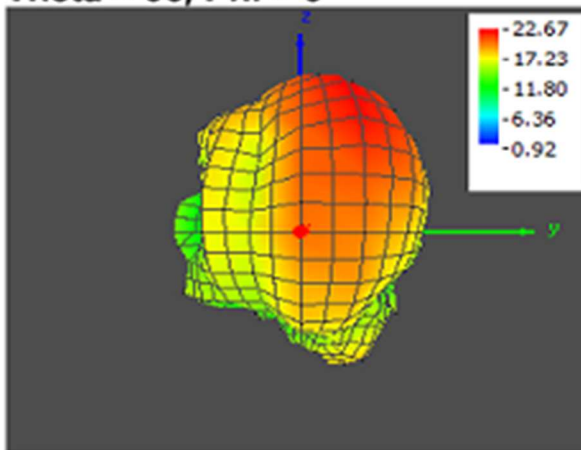
Theta = 0, Phi = 0



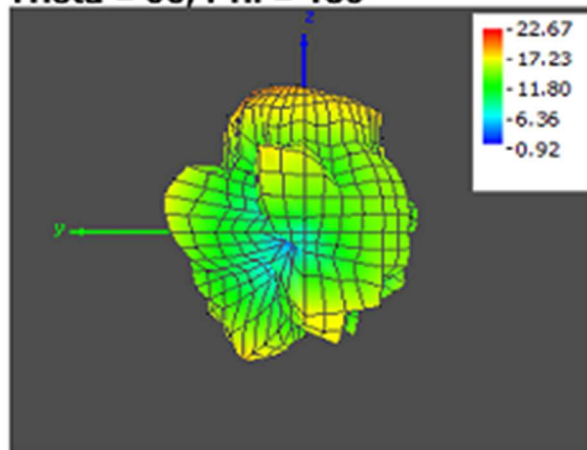
Theta = 180, Phi = 0



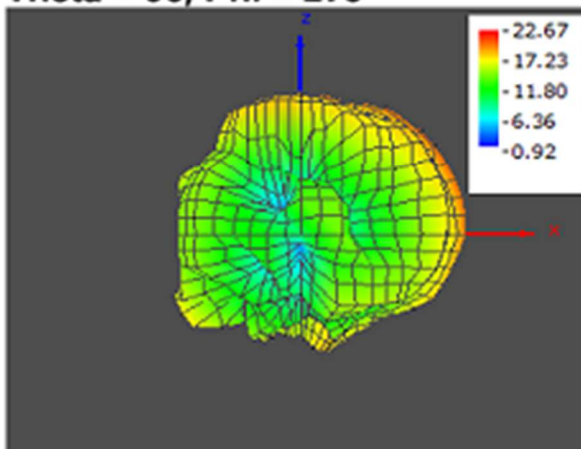
Theta = 90, Phi = 0



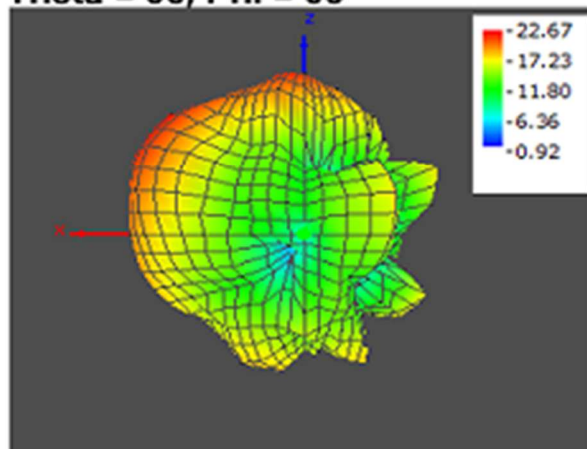
Theta = 90, Phi = 180



Theta = 90, Phi = 270



Theta = 90, Phi = 90



SubGhz Antenna (CLP4)

Passive Electrical Specification

- **Antenna Type:** LDS Antenna on Plastic Frame
- **Frequency Range:** 920 MHz – 927.35 MHz
- **Input Impedance:** 50 Ω
- **Efficiency:** -5.25 dB
- **Peak Gain:** -0.76 dBi

Physical Position

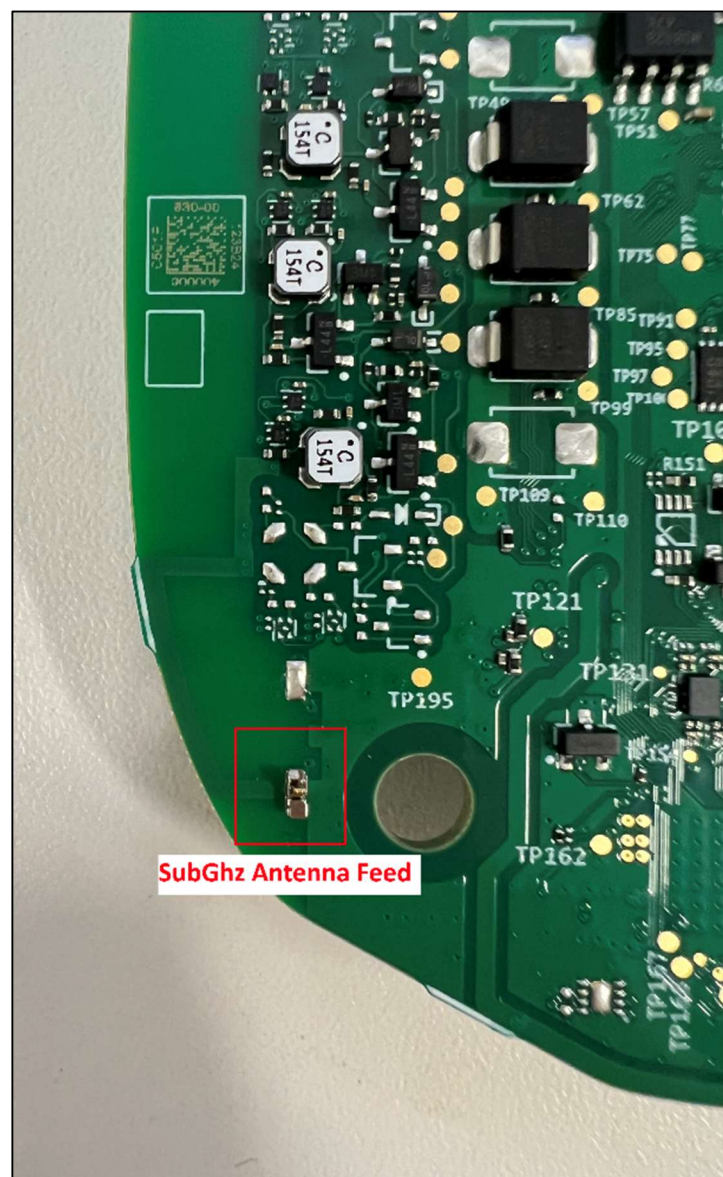


Figure 5: SubGHz Antenna Feed

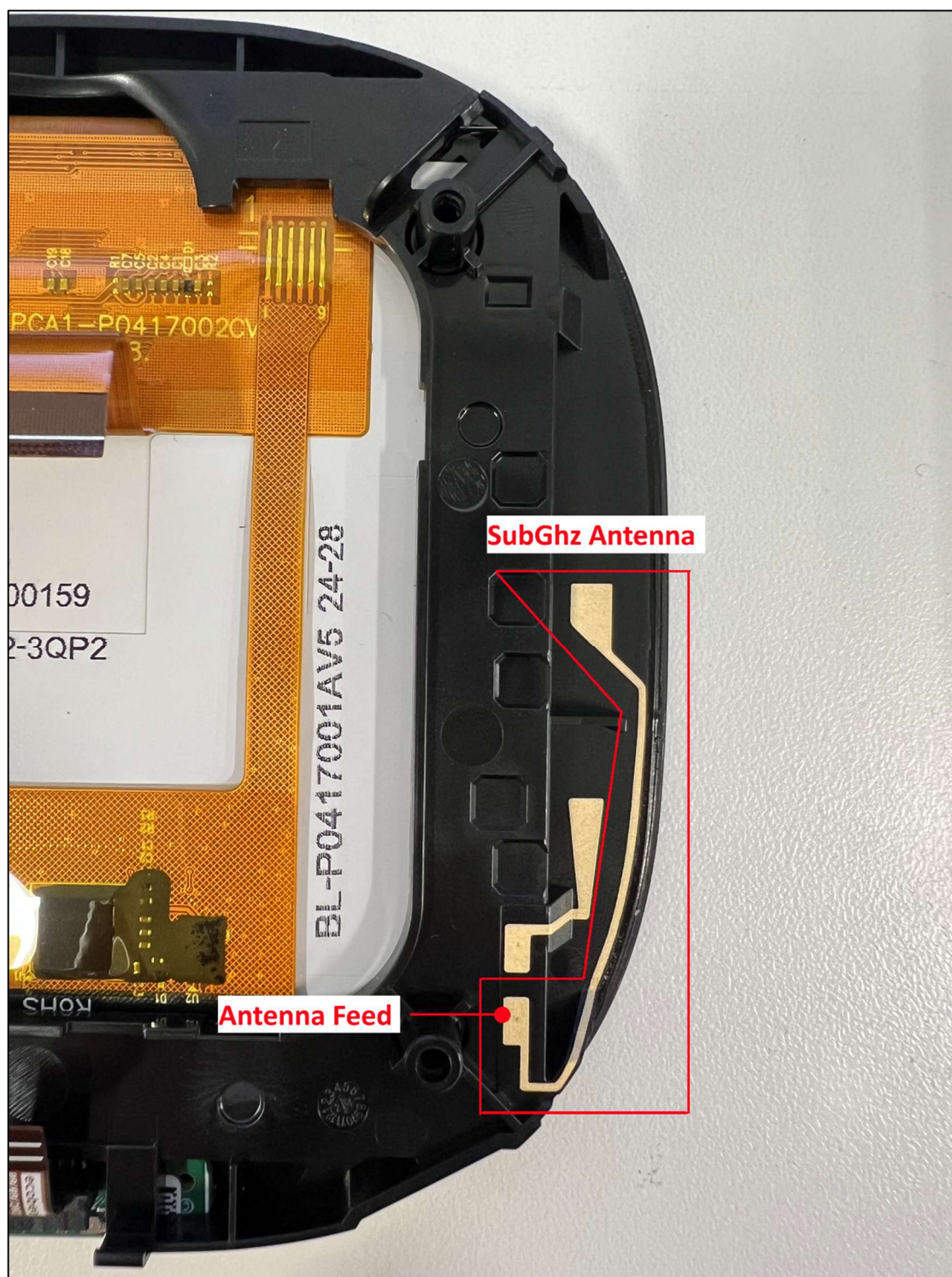
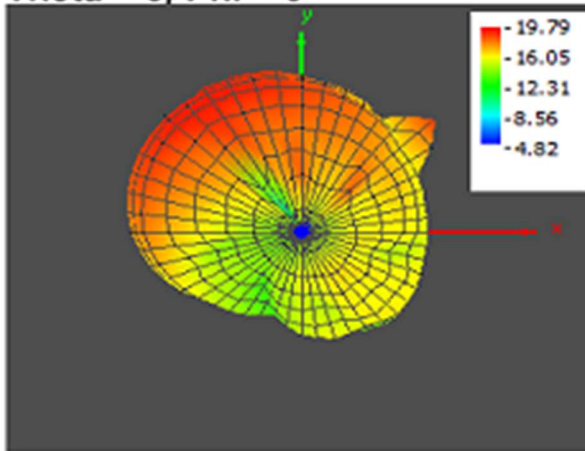


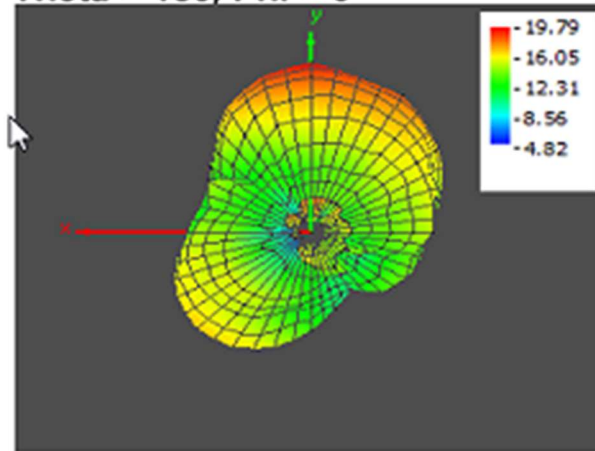
Figure 6: SubGHz LDS Antenna

Radiation Patterns

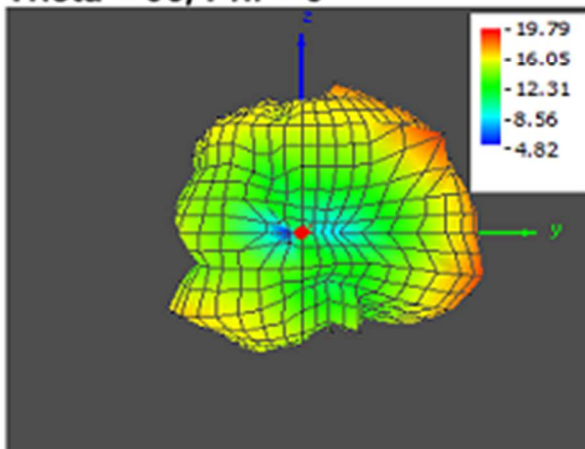
Theta = 0, Phi = 0



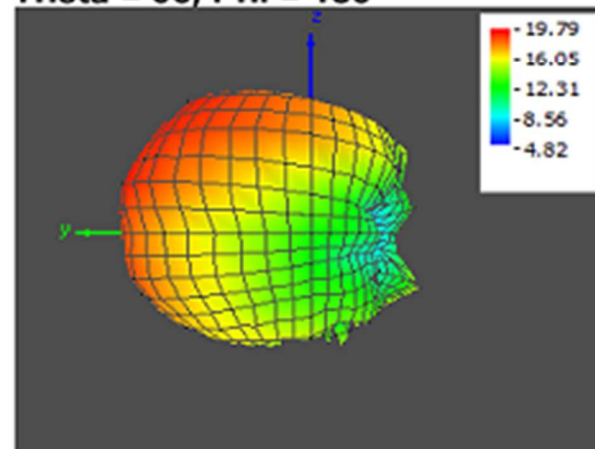
Theta = 180, Phi = 0



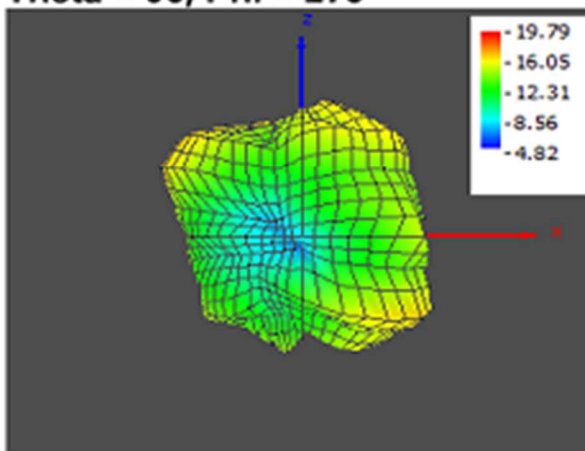
Theta = 90, Phi = 0



Theta = 90, Phi = 180



Theta = 90, Phi = 270



Theta = 90, Phi = 90

