

WiFi and SubGhz Antenna Specifications

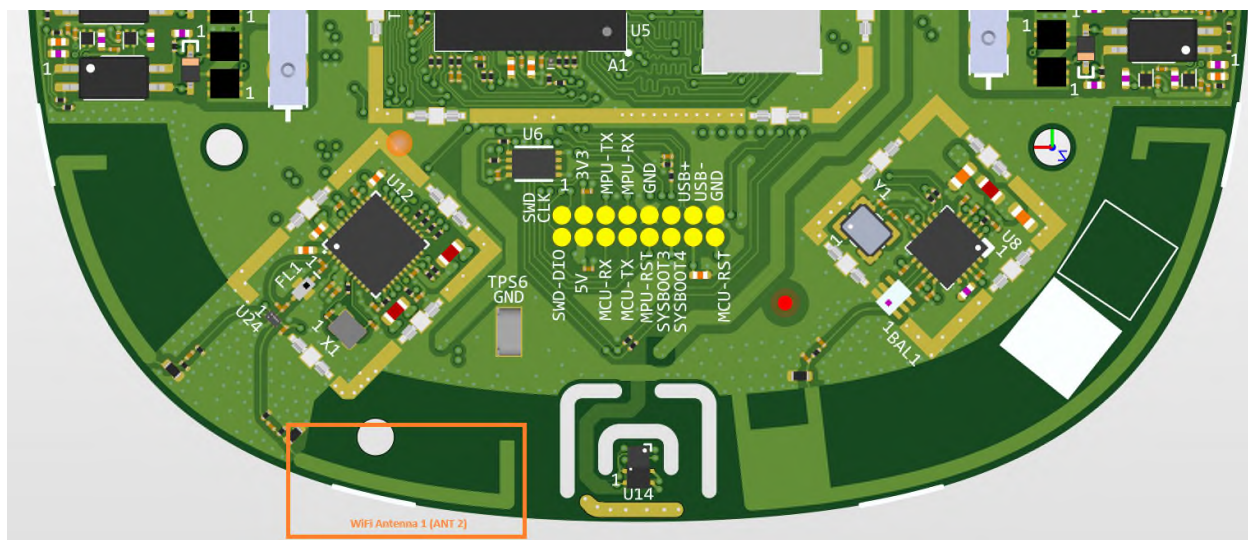
New Product Introduction (NPI)

1.0 WIFI ANTENNA 1 (ANT2)

1.1 PASSIVE ELECTRICAL SPECIFICATIONS

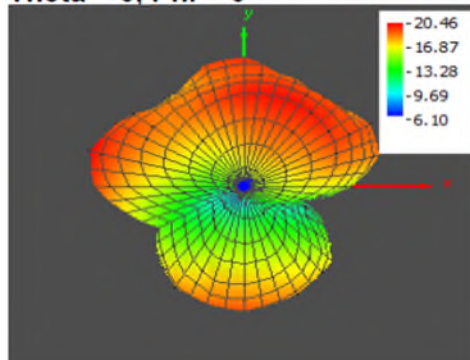
Antenna Type:	PCB On-board antenna
Frequency Range:	2400 ~ 2484 MHz
Input Impedance:	50 Ω
Efficiency:	-1 typical (> -3dB)
Peak Gain:	2.5 typical (< 5dBi)

1.2 POSITION ON PCB

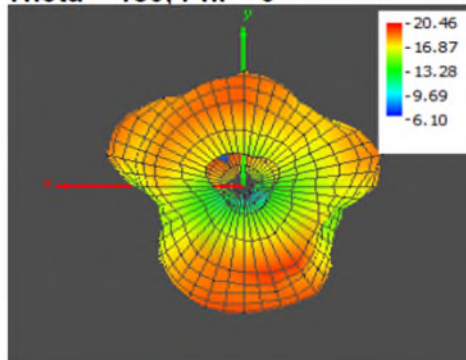


1.3 RADIATION PATTERNS

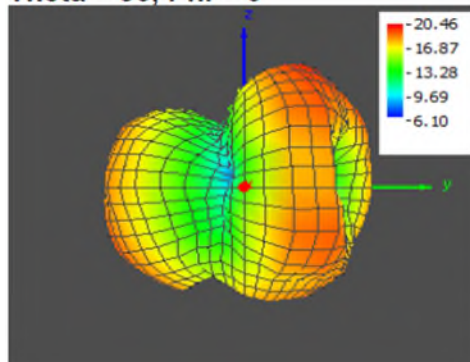
Theta = 0, Phi = 0



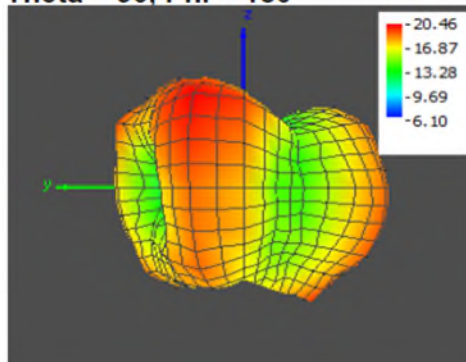
Theta = 180, Phi = 0



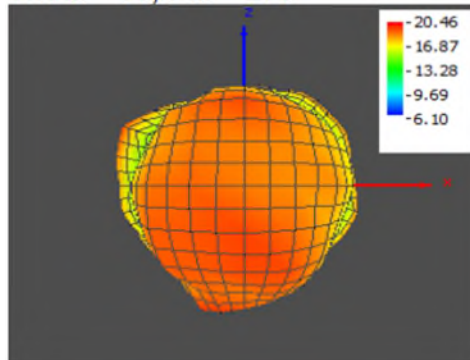
Theta = 90, Phi = 0



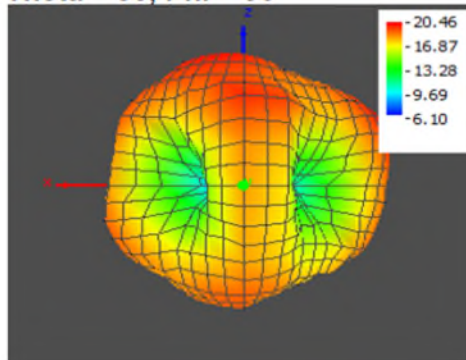
Theta = 90, Phi = 180



Theta = 90, Phi = 270



Theta = 90, Phi = 90

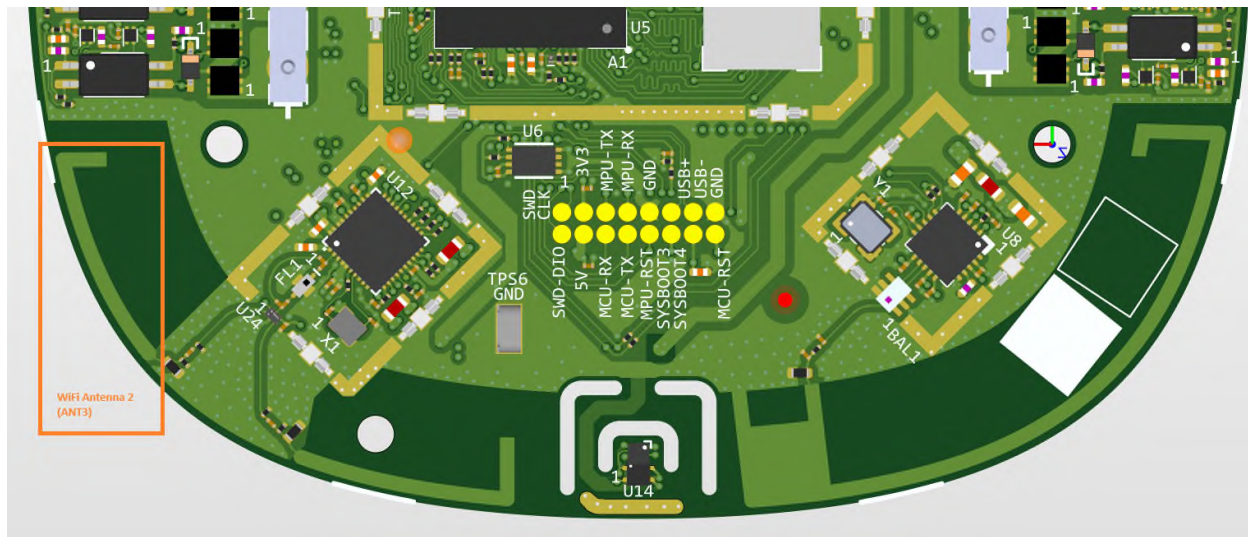


2.0 WIFI ANTENNA 2 (ANT3)

2.1 PASSIVE ELECTRICAL SPECIFICATIONS

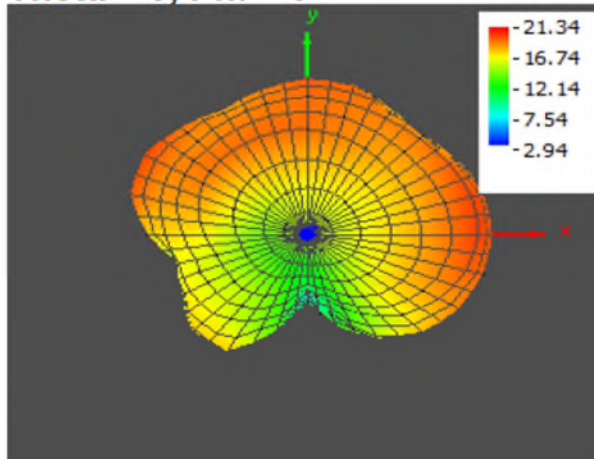
Antenna Type:	PCB On-board antenna
Frequency Range:	2400 ~ 2484 MHz
Input Impedance:	50 Ω
Efficiency:	-1 typical (> -3dB)
Peak Gain:	2.5 typical (< 5dBi)

2.2 POSITION ON PCB

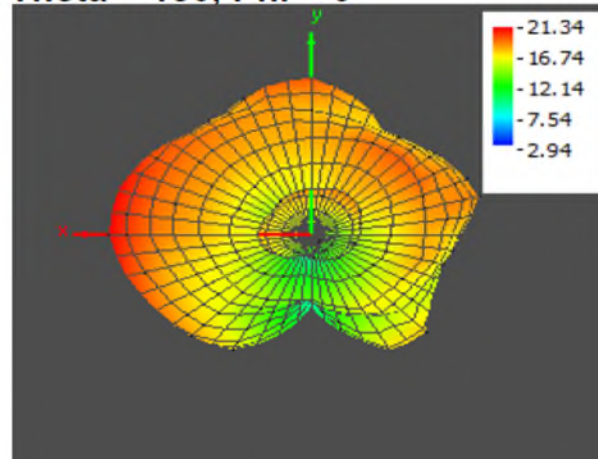


2.3 RADIATION PATTERNS

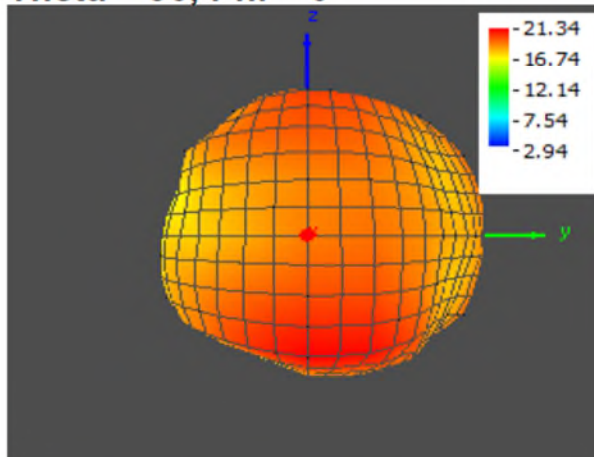
Theta = 0, Phi = 0



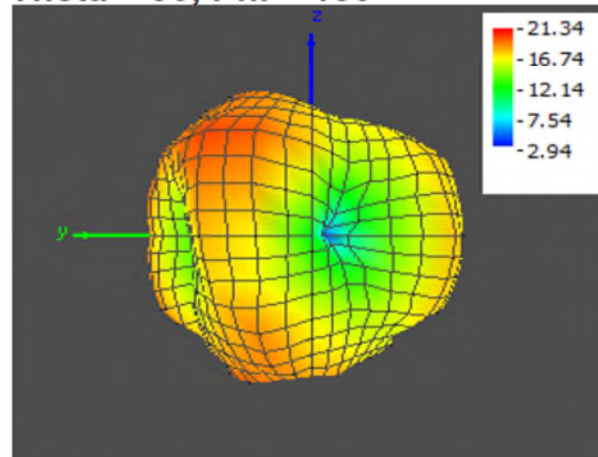
Theta = 180, Phi = 0



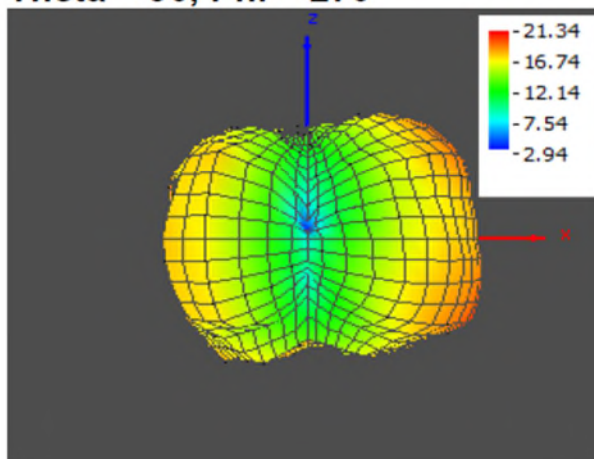
Theta = 90, Phi = 0



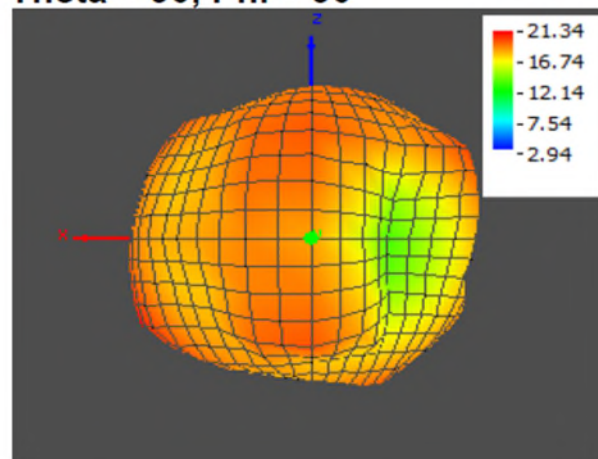
Theta = 90, Phi = 180



Theta = 90, Phi = 270



Theta = 90, Phi = 90

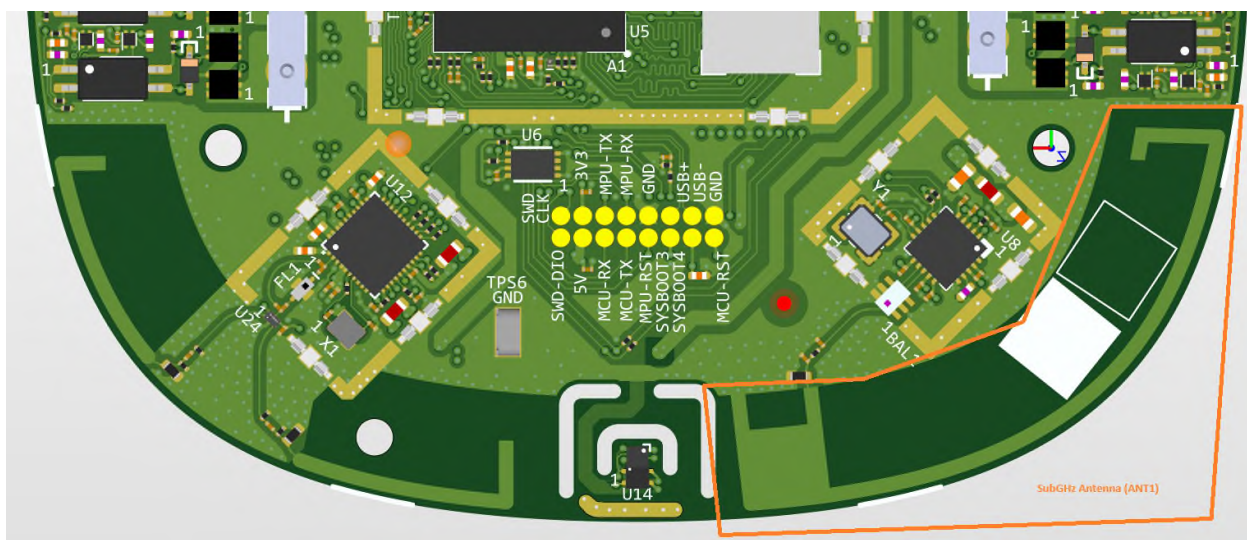


3.0 SUBGHZ ANTENNA (ANT1)

3.1 PASSIVE ELECTRICAL SPECIFICATIONS

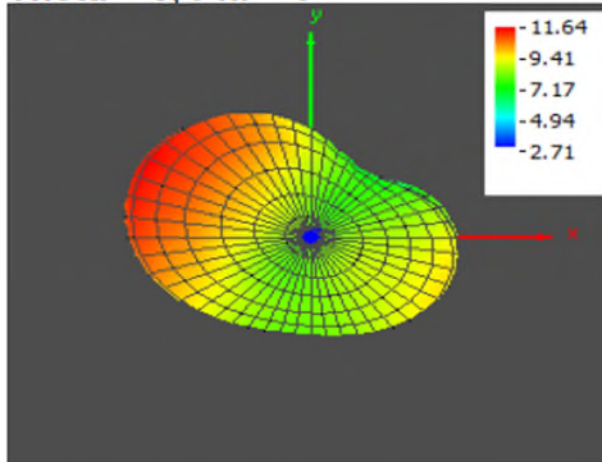
Antenna Type:	PCB On-board antenna
Frequency Range:	920 ~ 927.35 MHz
Input Impedance:	50 Ω
Efficiency:	-2 typical (> -3dB)
Peak Gain:	2.6 typical (< 4dBi)

3.2 POSITION ON PCB

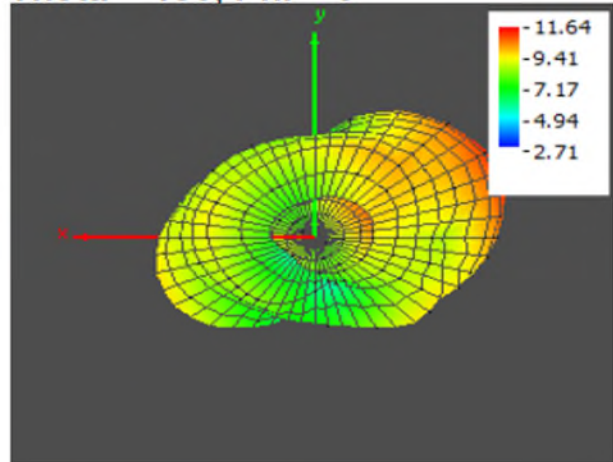


3.3 RADIATION PATTERNS

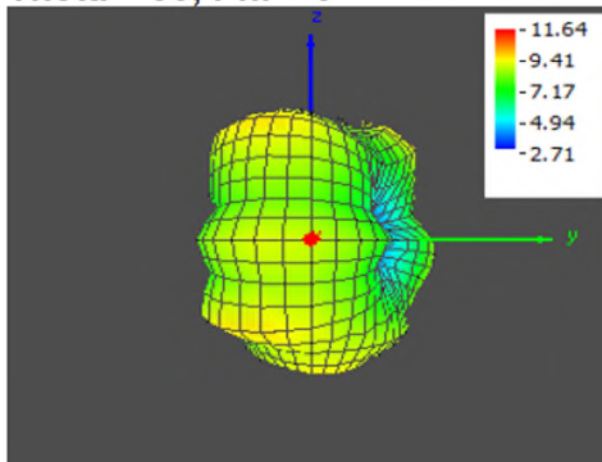
Theta = 0, Phi = 0



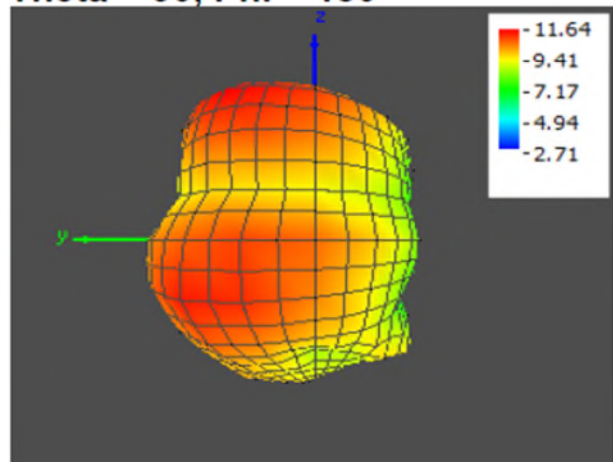
Theta = 180, Phi = 0



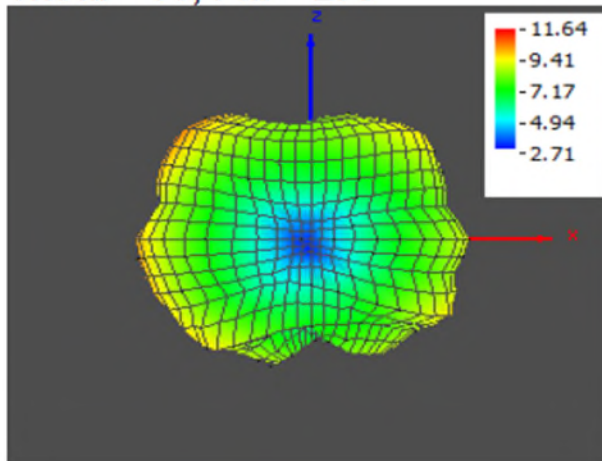
Theta = 90, Phi = 0



Theta = 90, Phi = 180



Theta = 90, Phi = 270



Theta = 90, Phi = 90

