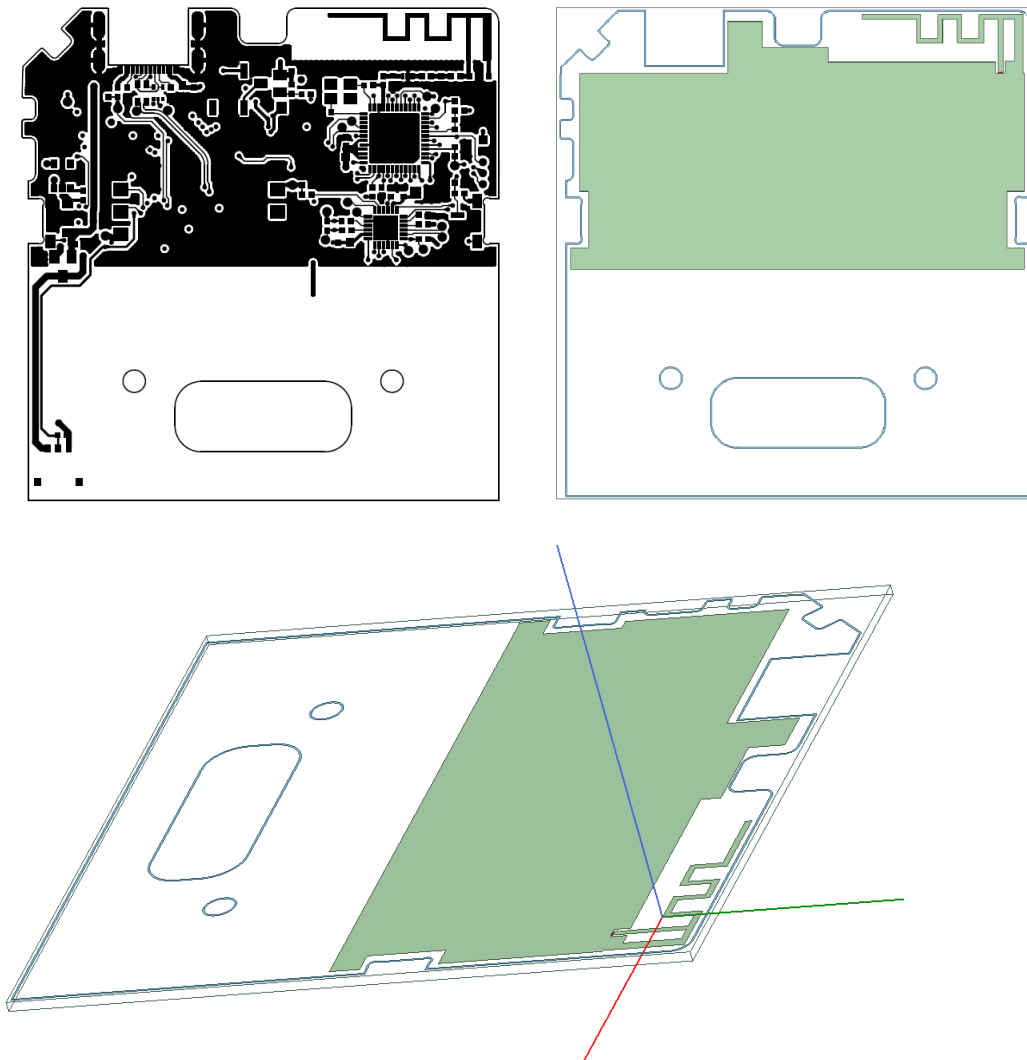


Antenna specification

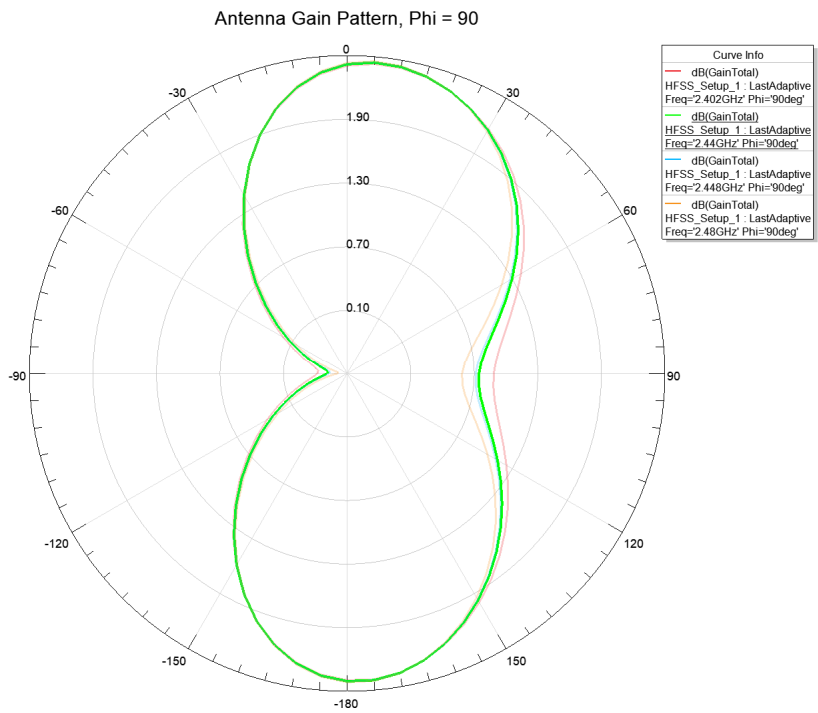
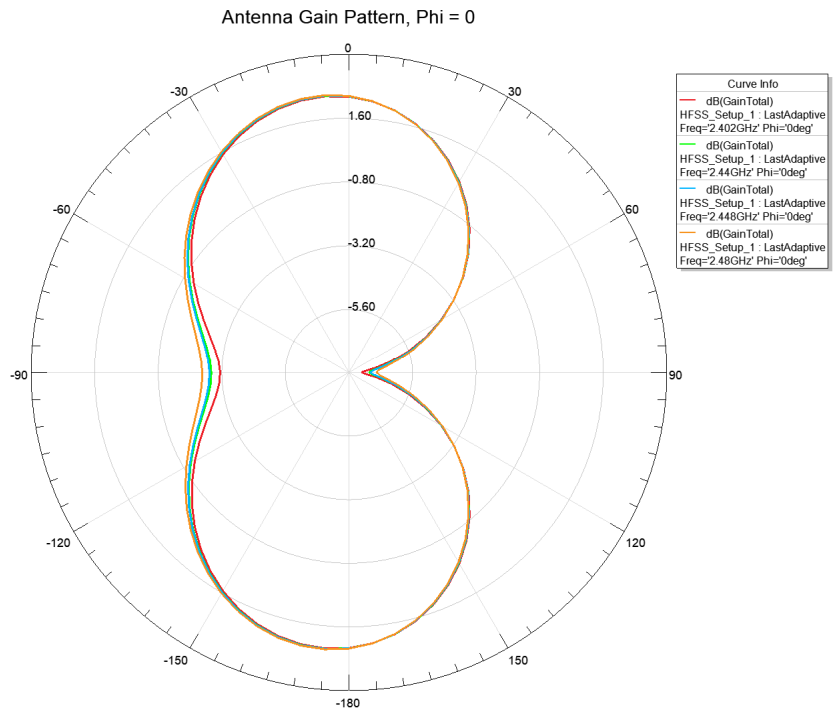
Part A. Original PCB and Simplified PCB for simulation



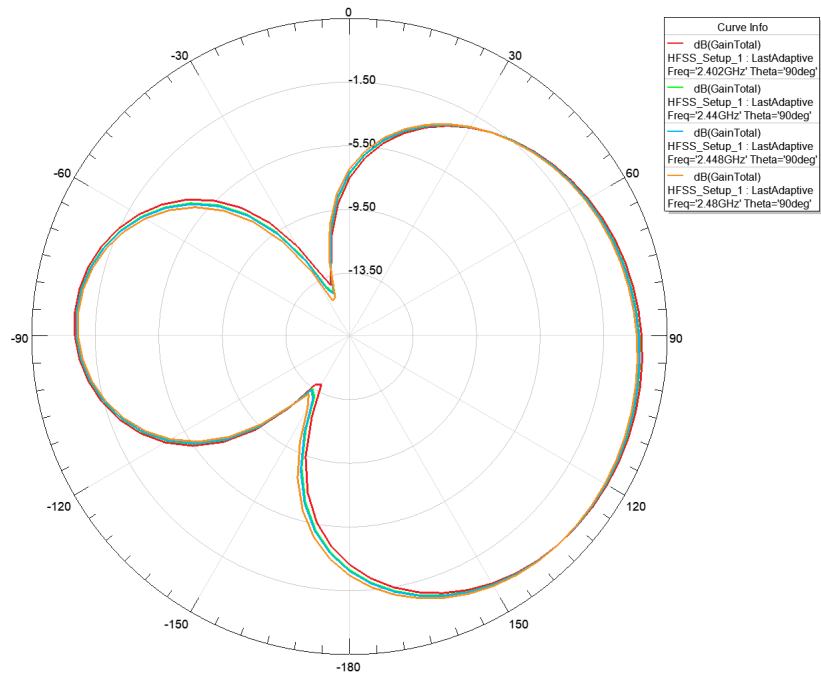
Part B. Antenna Gain (dBi)

Frequency (GHz)	Gain (dBi)
2.402	2.494
2.440	2.515
2.448	2.520
2.480	2.537

Part C. Antenna 2D Radiation Patterns

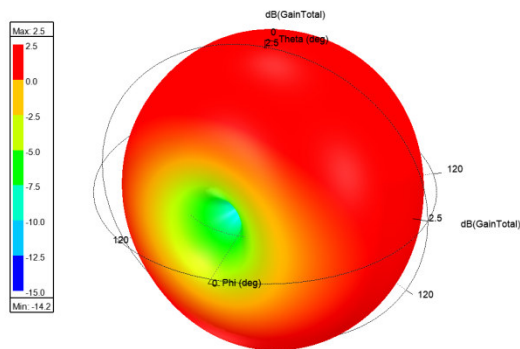


Antenna Gain Pattern, Theta = 90

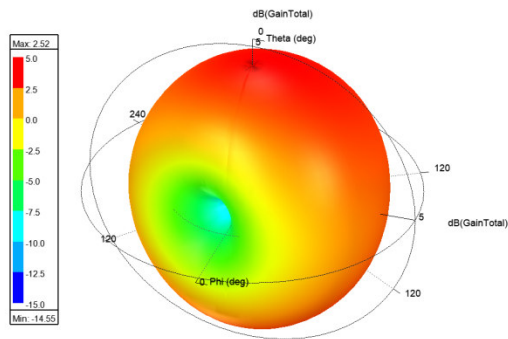


Part D. Antenna 3D Radiation Patterns

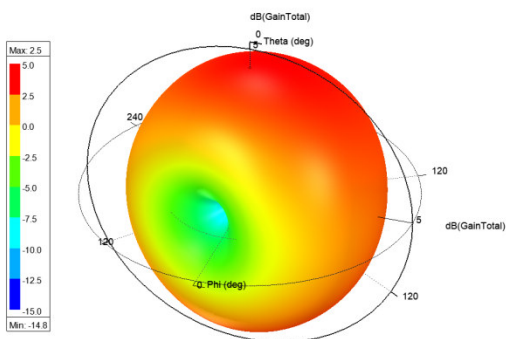
Antenna Gain 3D, 2.402GHz



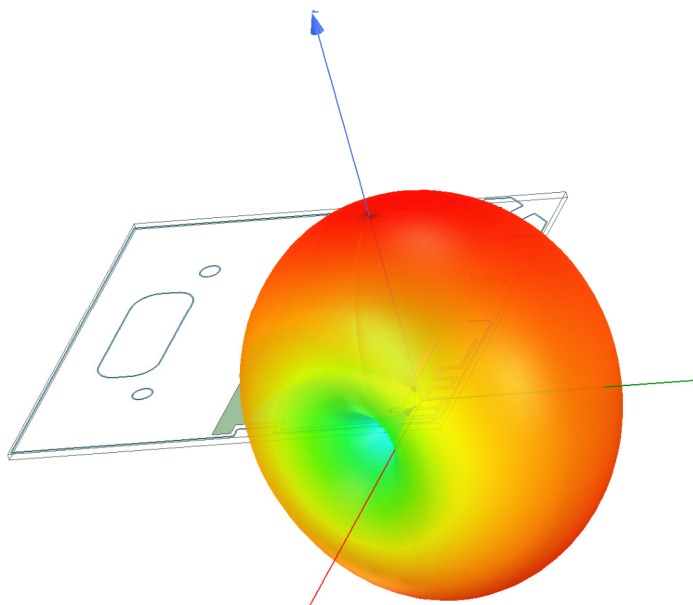
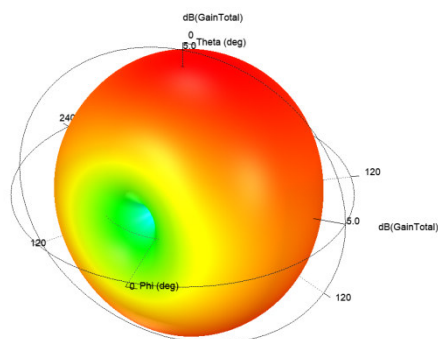
Antenna Gain 3D, 2.44GHz



Antenna Gain 3D, 2.448GHz

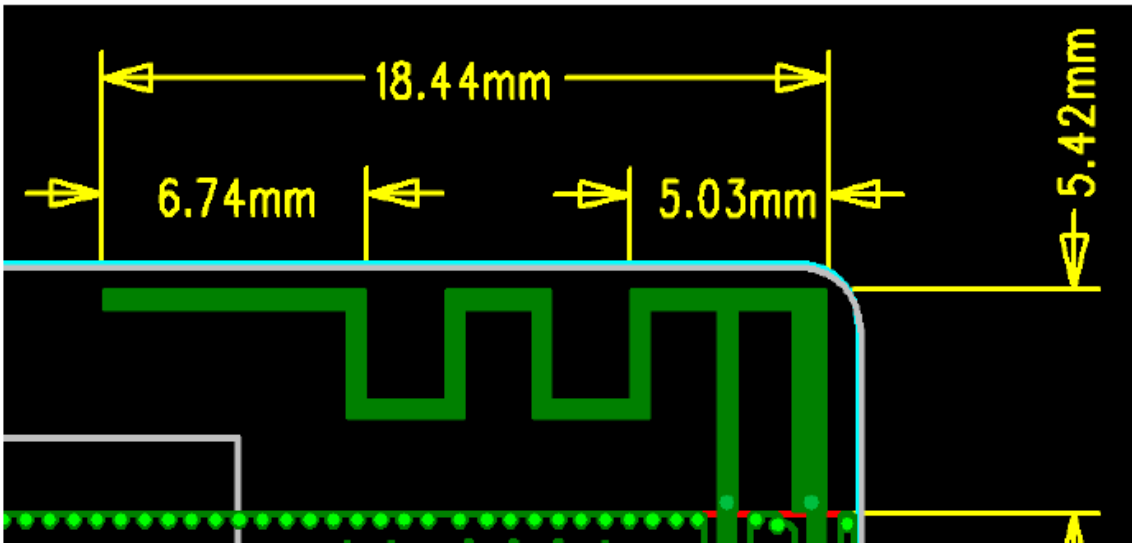


Antenna Gain 3D, 2.48-GHz



Antenna pictures and dimensions

BLE 2.4GHz antenna size : 18.44mm x 5.42mm



Manufacturer:

Advanced Card Systems Ltd.

Address: Units 4108-4110, 41st Floor, Manhattan Place, 23 Wang Tai Road, Kowloon Bay, Hong Kong