

February 18, 2025

TEST REPORT

SUBJECT: MonoLets Cellular Tracker – PCB BLE antenna

Description: The specifications for the built-in PCB Bluetooth antenna are described in this document

ANTENNA SPECIFICATIONS:

Specification	MonoLets	Comments
Frequency	2.4- 2.483 GHz	
VSWR	< 2.0: 1	
Coverage	Hemispherical	
Peak Gain	-2.0 dBi	Overall peak gain
Polarization	Linear	
Efficiency	45%	

ANTENNA COVERAGE:

The antenna radiation coverage is shown in the following Figures 1 through 5.

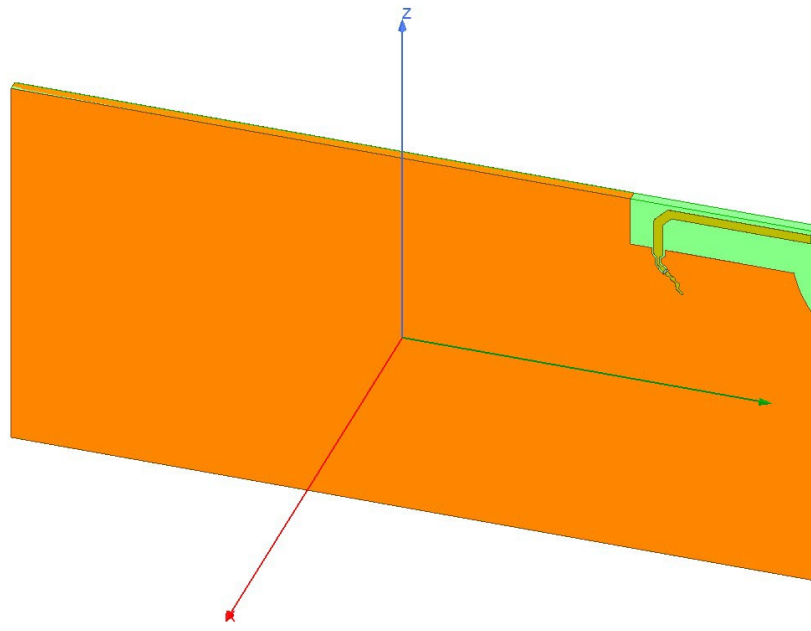


Figure 1- Coordinate system with respect to antenna and PCB

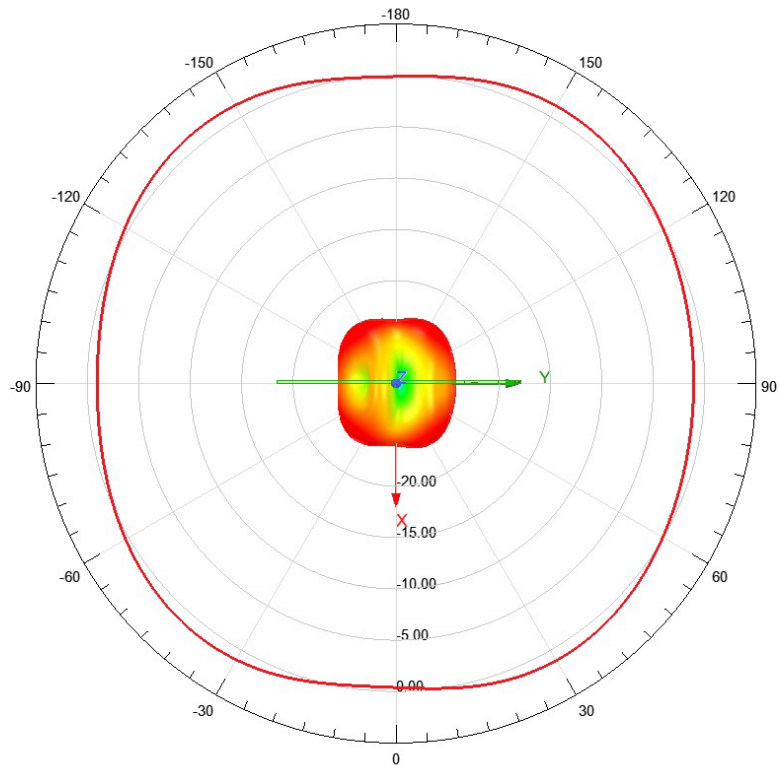


Figure 2- Azimuth cut (XY plane)

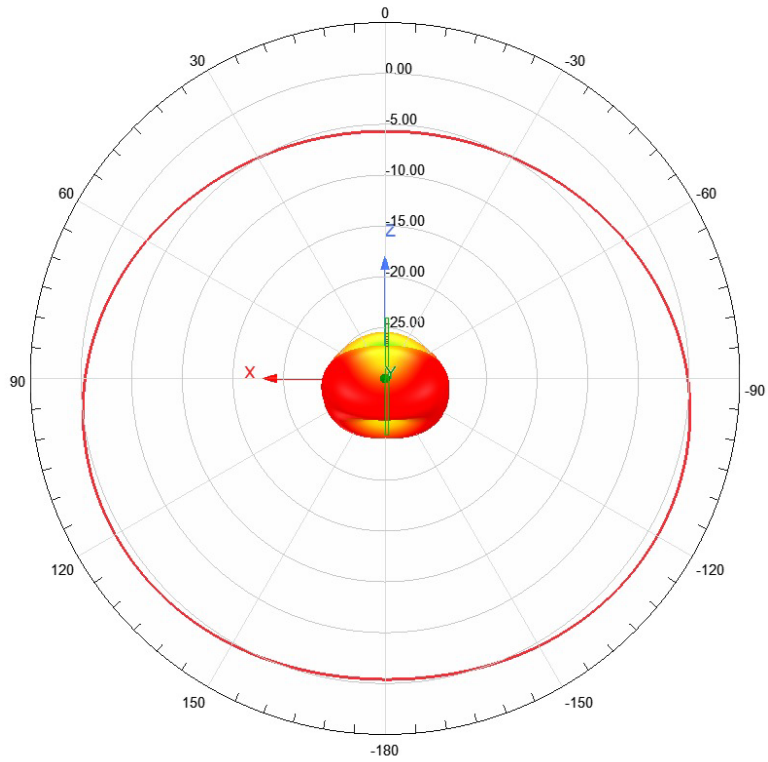


Figure 3- Elevation cut (ZX plane)

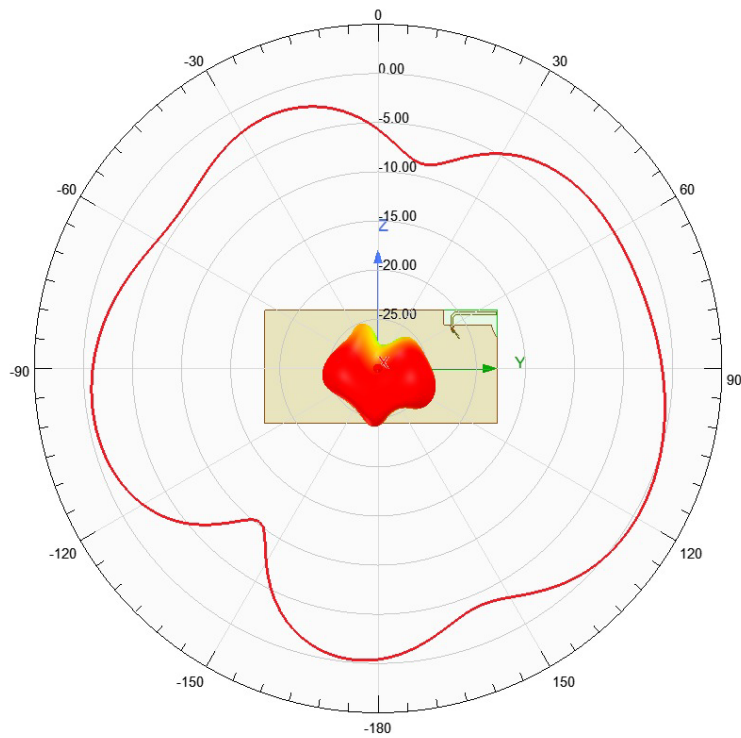


Figure 4- Elevation cut (ZY plane)

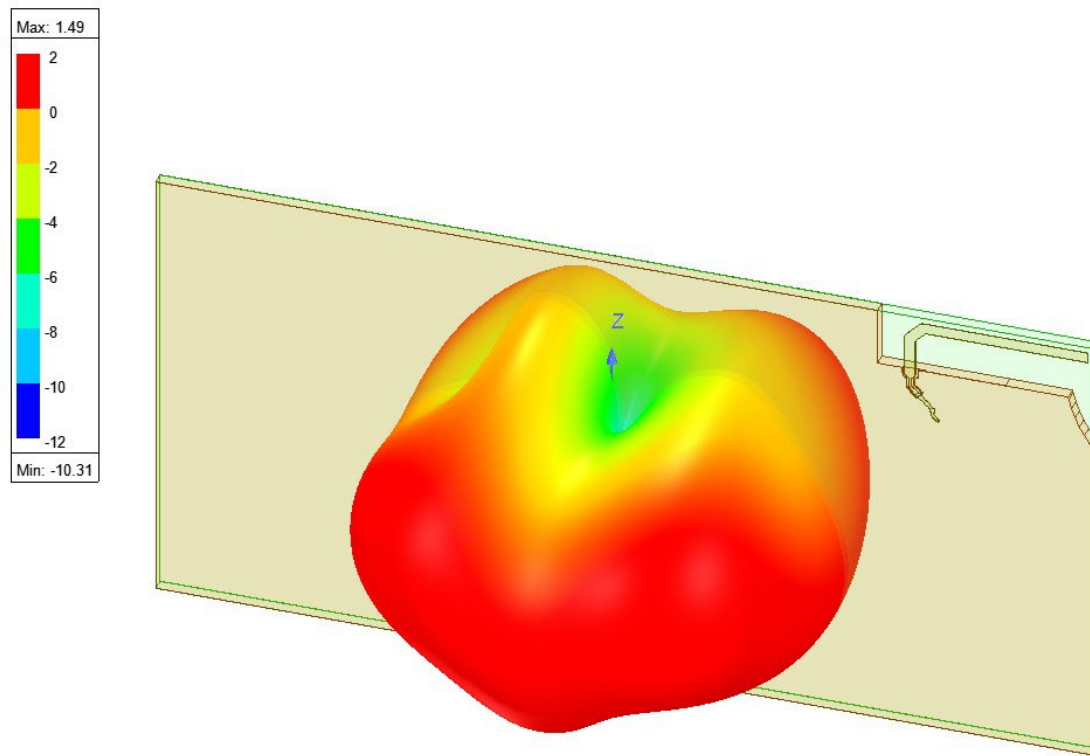


Figure 5- 3D coverage