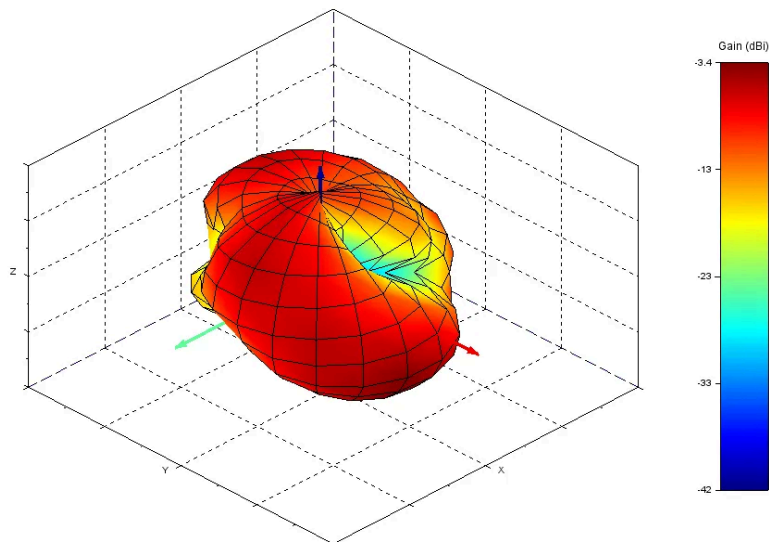
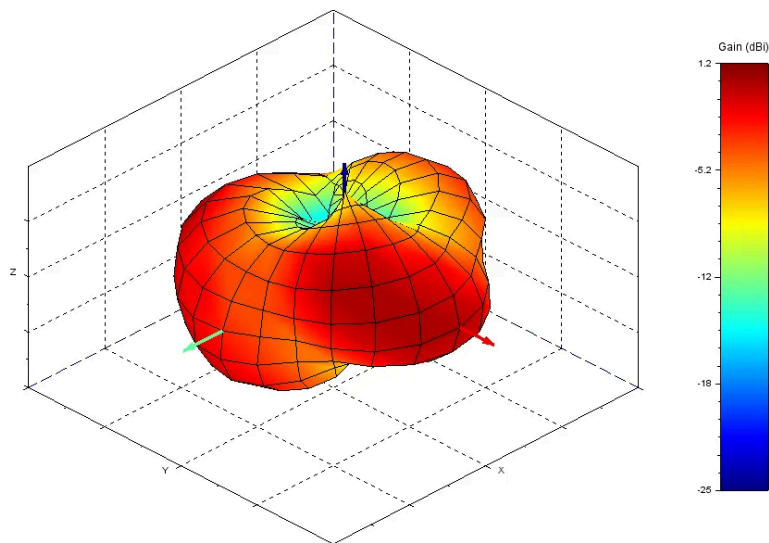


## 3D Plots at 2440 MHz

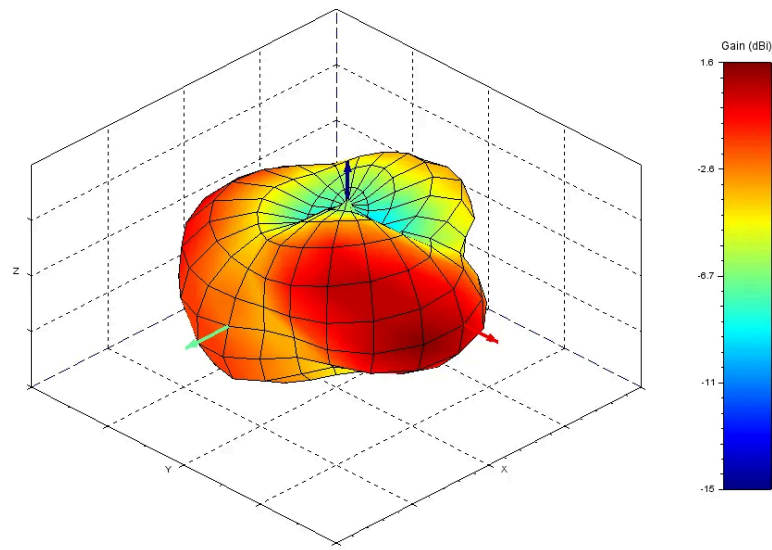
3D Radiation Pattern - Phi Polarization Gain at 2440 MHz



3D Radiation Pattern - Theta Polarization Gain at 2440 MHz



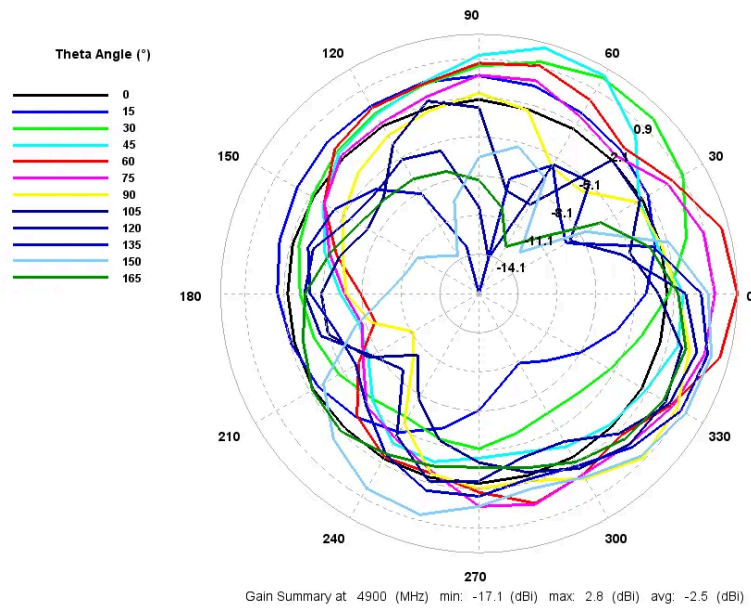
3D Radiation Pattern - Total Gain at 2440 MHz



5 GHz Band

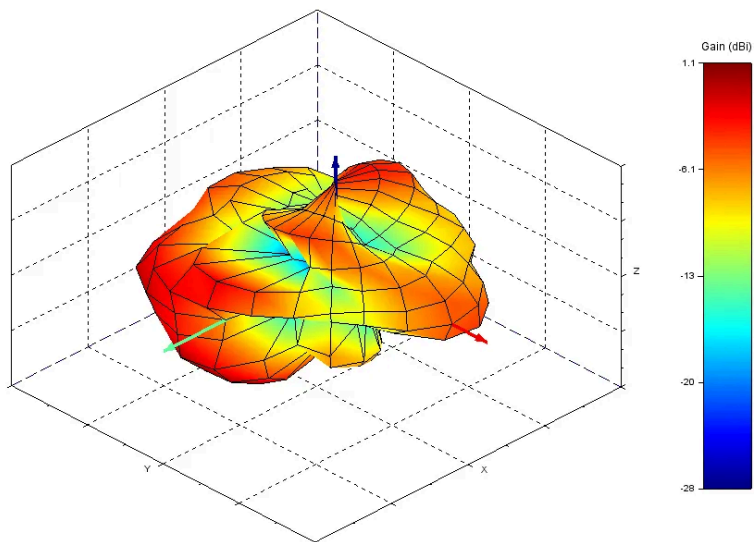
Azimuthal Conical Cuts at 4900 MHz

Azimuth Gain Pattern Cuts - Total Gain at 4900 MHz

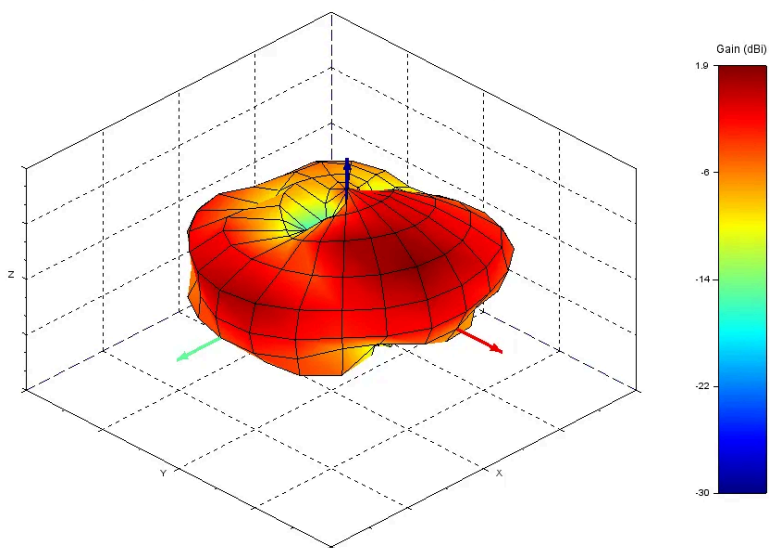


## 3D Plots at 4900 MHz

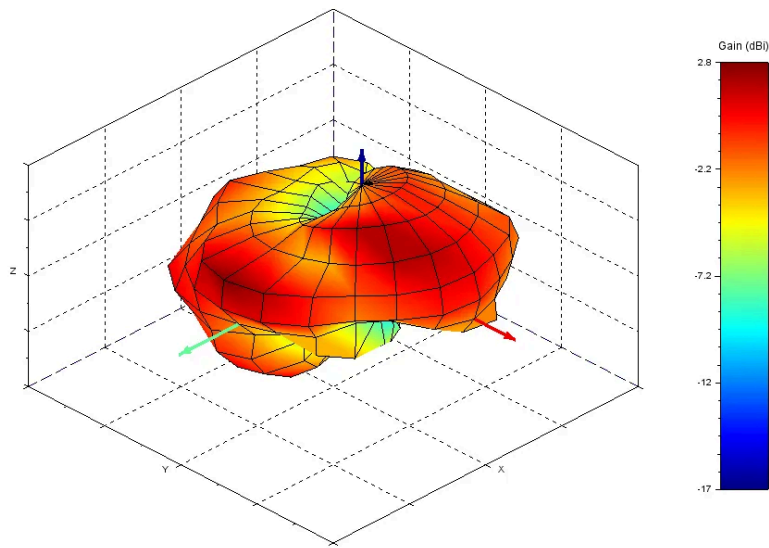
3D Radiation Pattern - Phi Polarization Gain at 4900 MHz



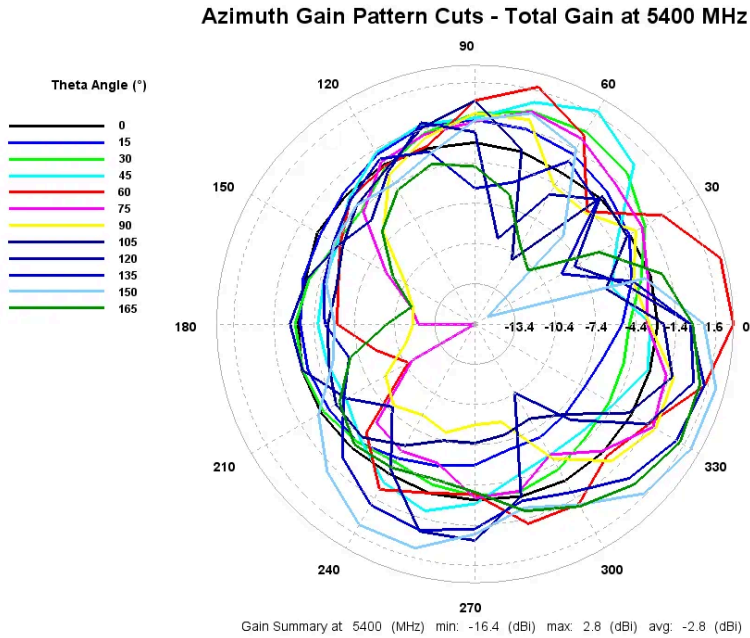
3D Radiation Pattern - Theta Polarization Gain at 4900 MHz



3D Radiation Pattern - Total Gain at 4900 MHz

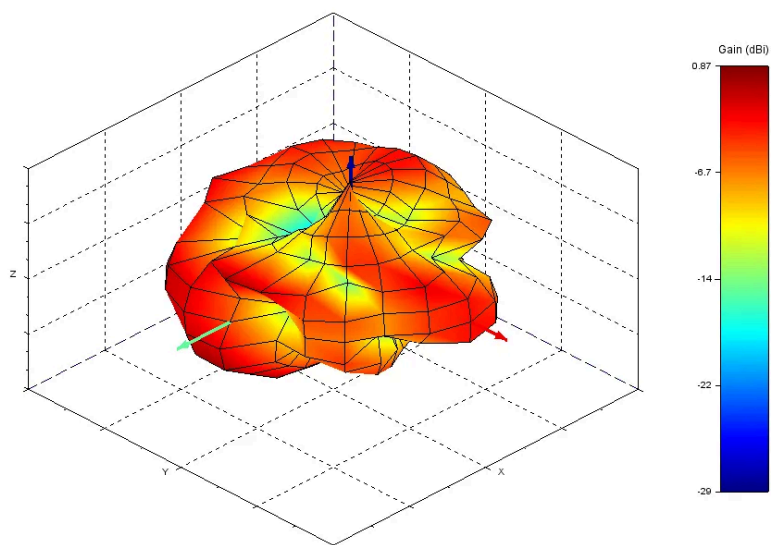


Azimuthal Conical Cuts at 5400 MHz

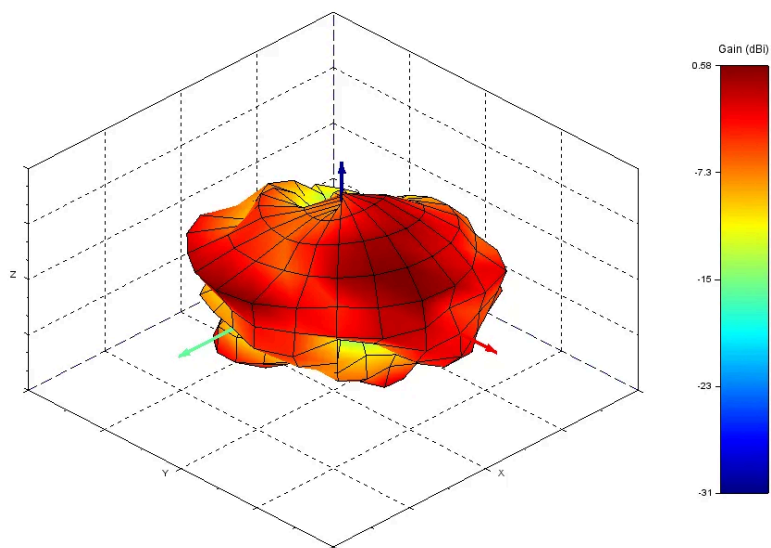


## 3D Plots at 5400 MHz

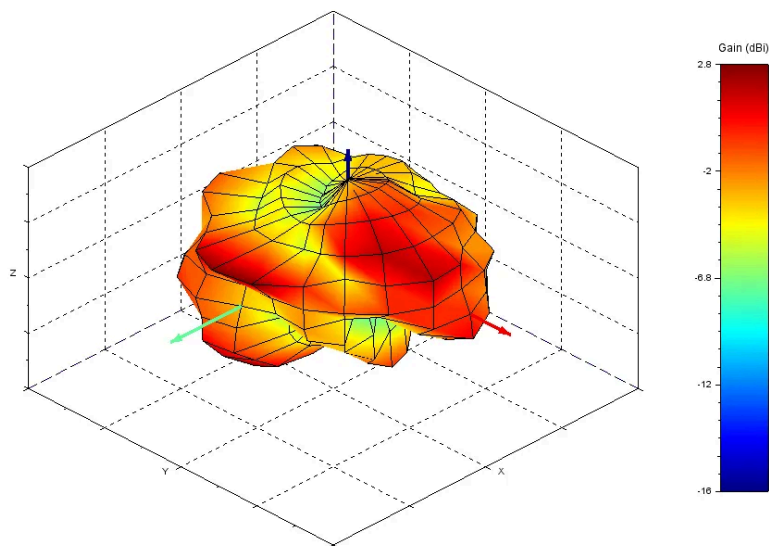
**3D Radiation Pattern - Phi Polarization Gain at 5400 MHz**



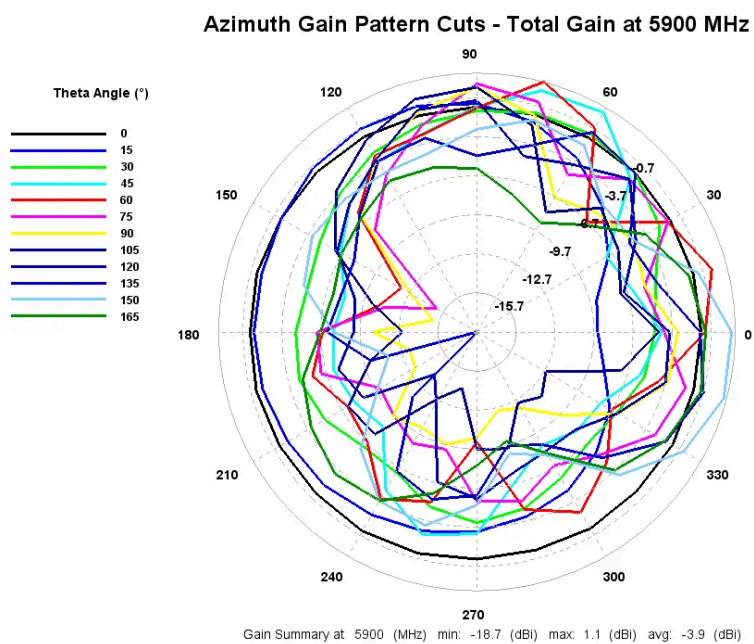
**3D Radiation Pattern - Theta Polarization Gain at 5400 MHz**



**3D Radiation Pattern - Total Gain at 5400 MHz**

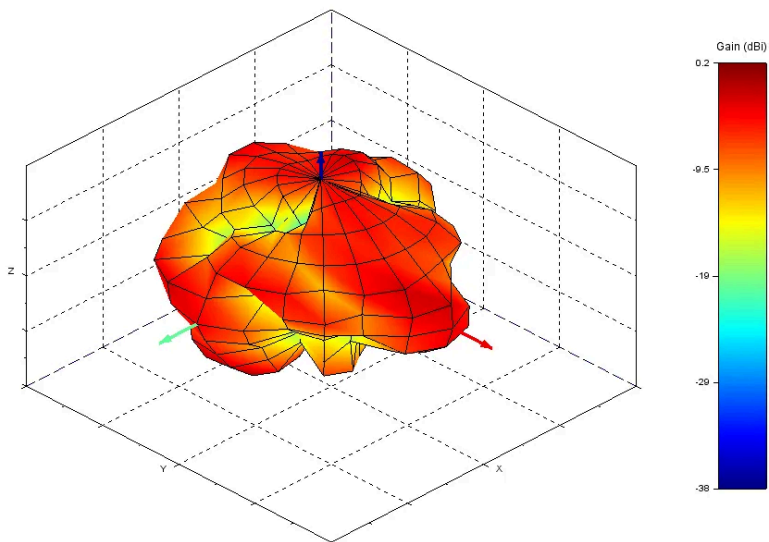


**Azimuthal Conical Cuts at 5900 MHz**

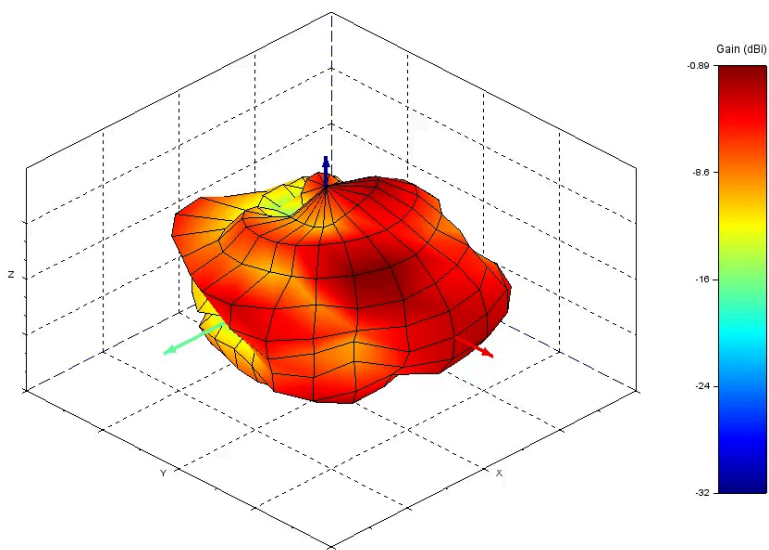


## 3D Plots at 5900 MHz

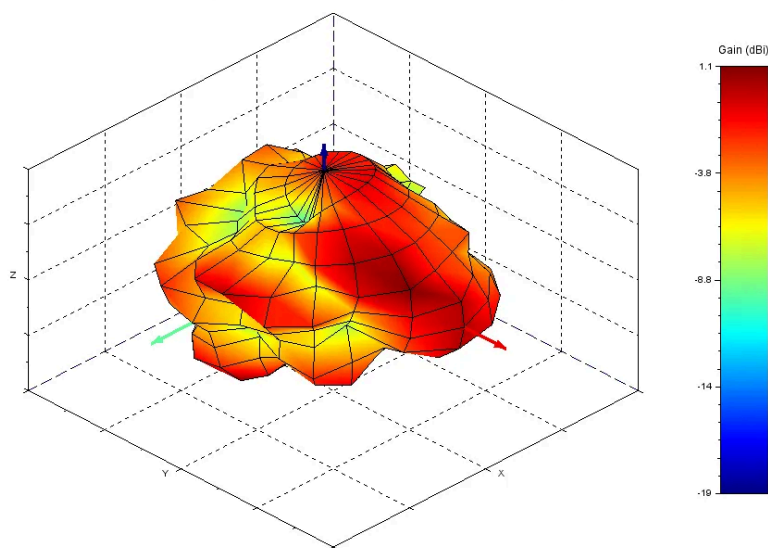
3D Radiation Pattern - Phi Polarization Gain at 5900 MHz



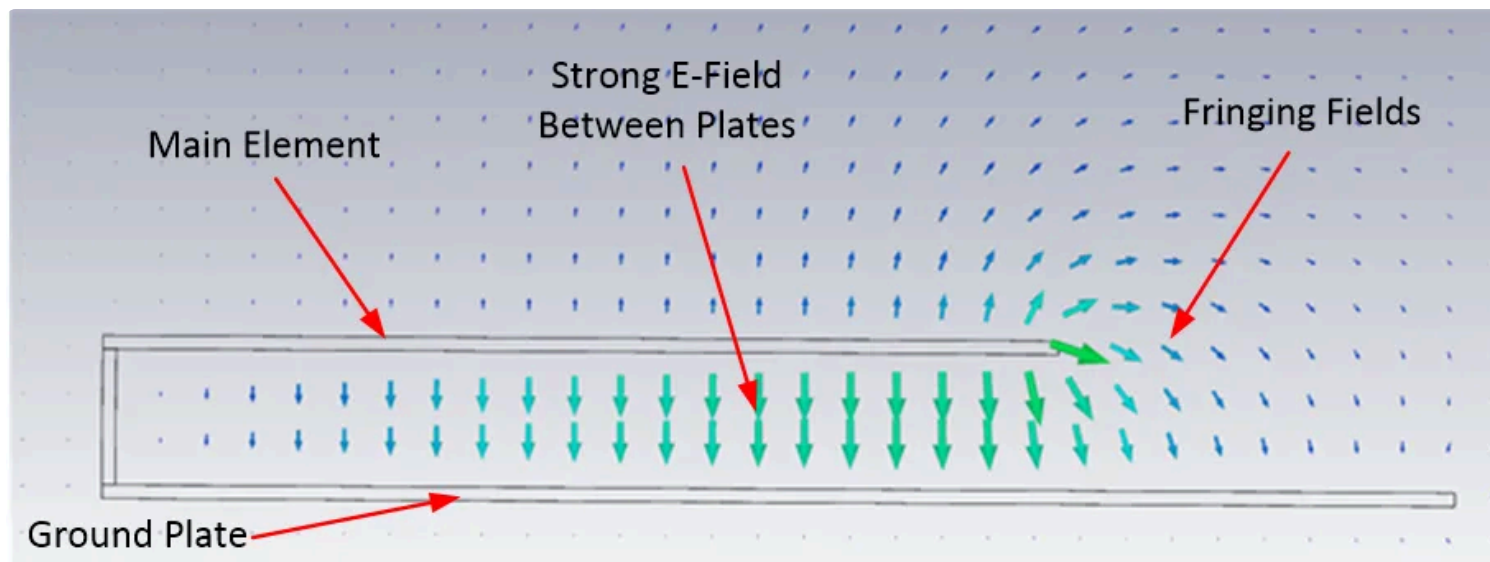
3D Radiation Pattern - Theta Polarization Gain at 5900 MHz



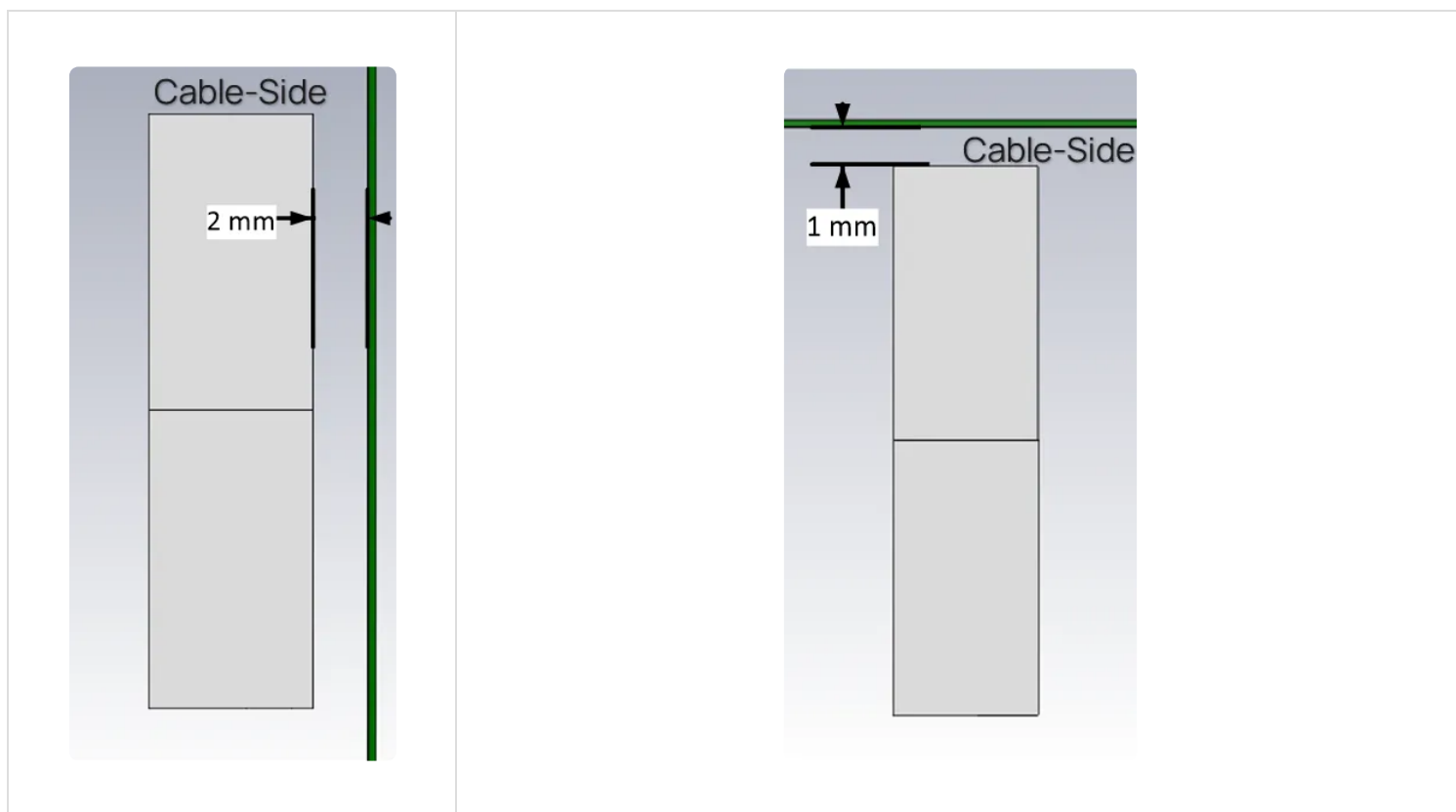
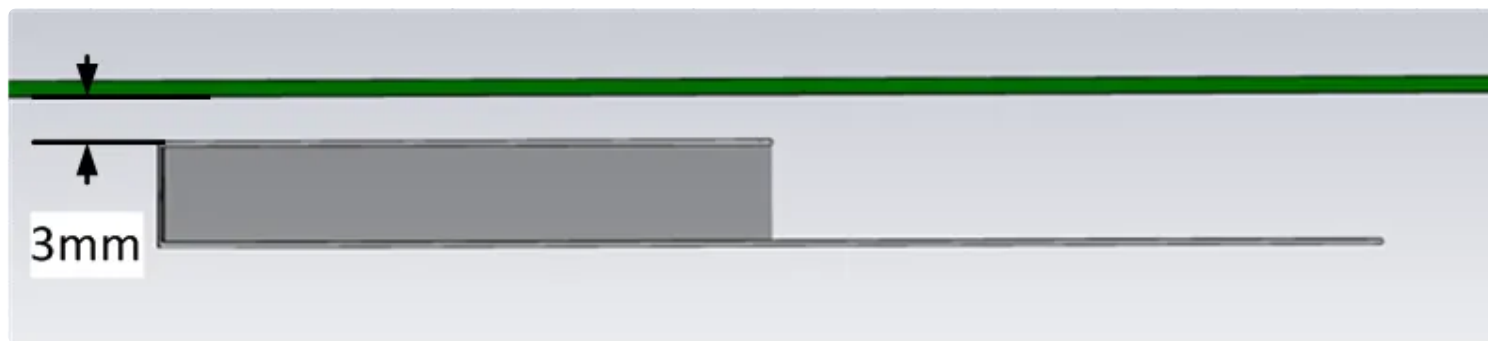
3D Radiation Pattern - Total Gain at 5900 MHz



## Optimal installation Guide



The main element should be kept clear of any non-metal objects (such as plastics) on top of it by at least three millimeters (see below). Similarly, the two long sides of the FlexPIFA should be kept clear of any non-metal object by at least two millimeters (see below). A one-millimeter clearance should be observed from the ground wall to any non-metal object. Mounting the FlexPIFA in a situation that does not allow for these clearance recommendations may change the gain characteristics stated in the datasheet, which could impact overall range of the wireless system.



The ideal material on which to mount the FlexPIFA is 1.5-millimeter thick polycarbonate for maximum performance. However, as previously mentioned, the FlexPIFA can tolerate other non-metallic surfaces and thicknesses and still radiate effectively. Depending on the type of material, the FlexPIFA may be detuned.

The coaxial cable feeding the FlexPIFA should be routed away from the antenna. Do not run the coaxial cable over the top of the FlexPIFA or near the tip of the main element. The cable should be routed perpendicular to the side of the FlexPIFA (this is the way the cable comes assembled) or away from the ground wall. These options are shown below.