

PCB Embedded 60Ghz antenna datasheet

Antenna Characteristics

The following are antenna characteristics, based on the simulation of a single antenna over an infinite ground plane:

Table 1: Antenna and RF Characteristics

Parameter	Value	Comment
Gain	4 dBi @62 GHz	At 0° Elevation, 0° Azimuth
Antenna -5dB beamwidth	160 deg. @62 GHz (E-plane) 120 deg. @62 GHz (H-plane)	
Polarization	Linear	

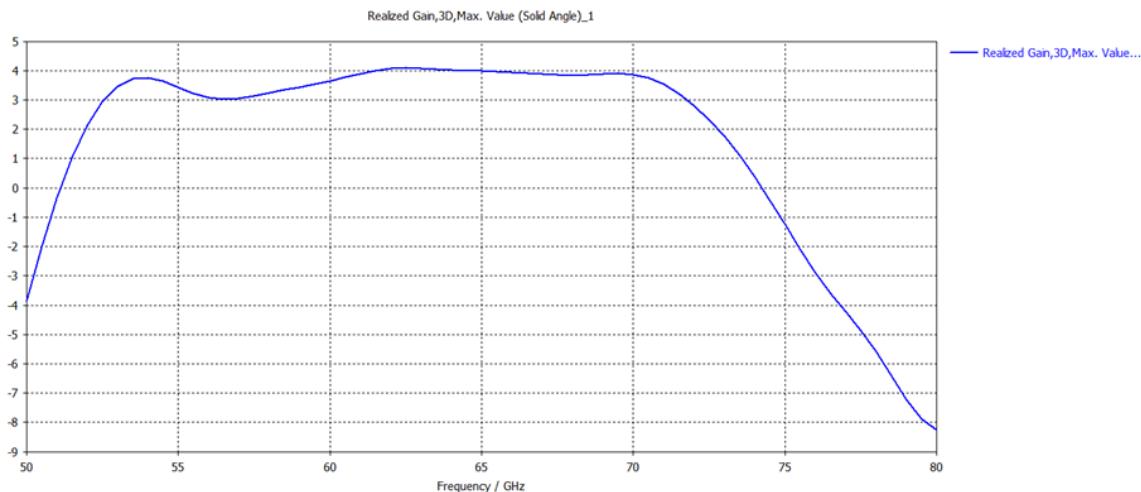


Figure 1: PCB embedded antenna simulated gain, using CST 3D EM solver.

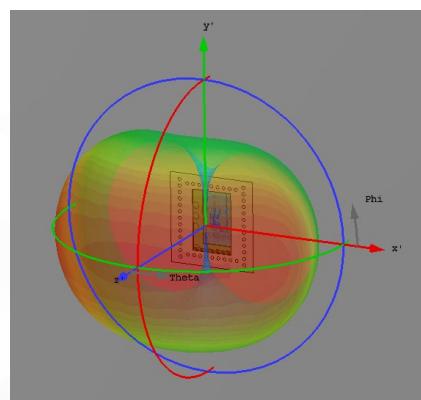


Figure 21: Antenna Pattern