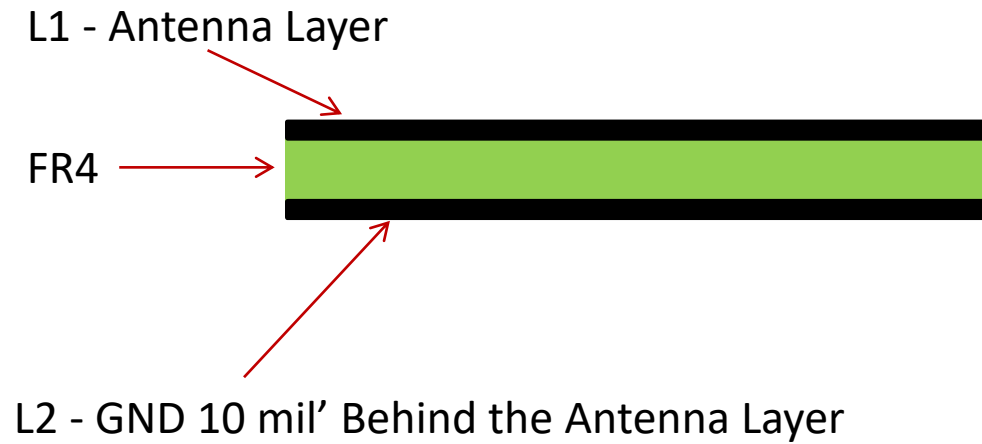


Structure of T12sb Antenna Ver 2

Material FR4, The antenna is part of a multi-layered PCB

Black is Copper



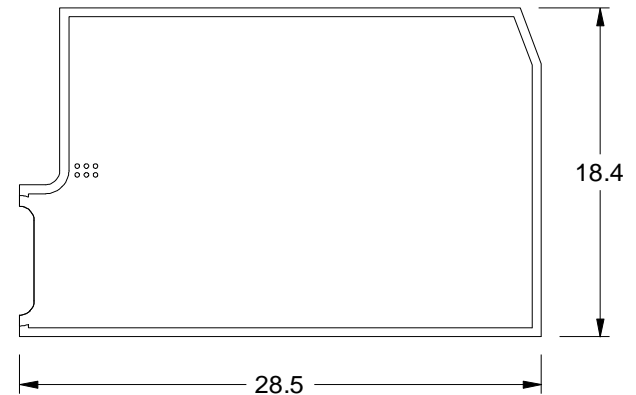
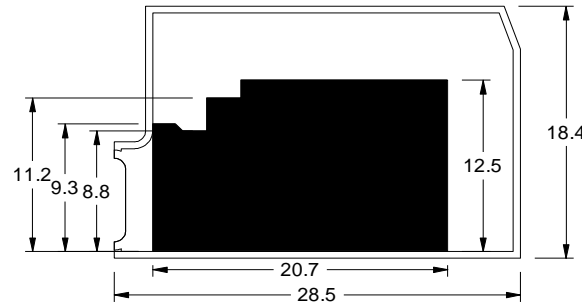
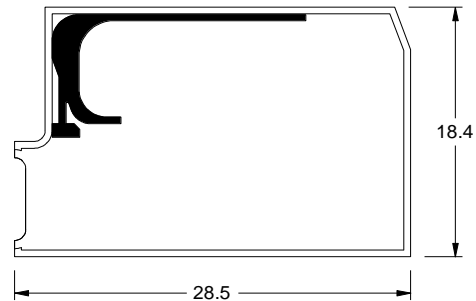
T12s Antenna Ver 2 - Layers

Material FR4, The antenna is part of a multi-layered PCB

Black is Copper

All dimensions- mm

Contour and Vias (plating drills) between Antenna layer to GND. Diameter of drills 0.254 mm before plating.

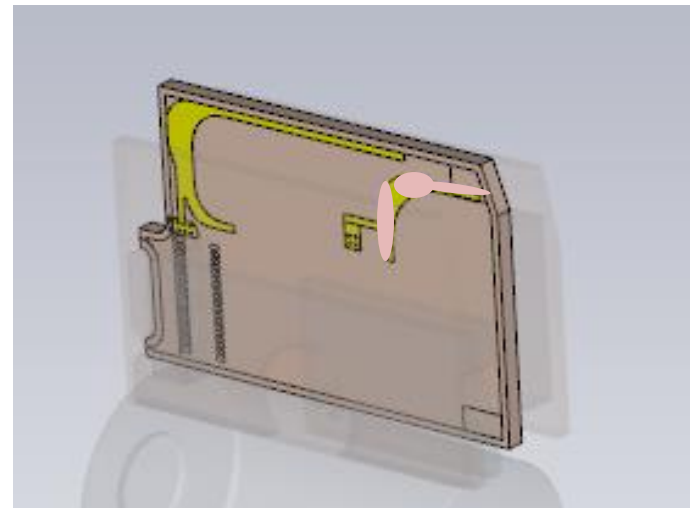
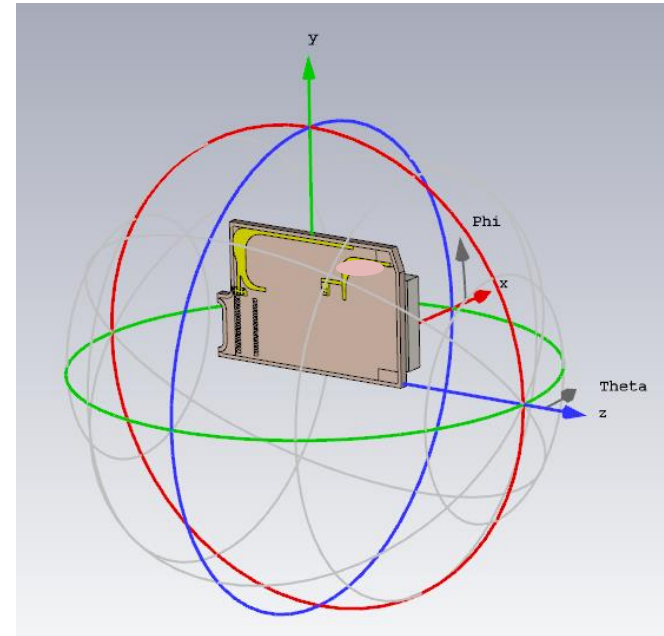
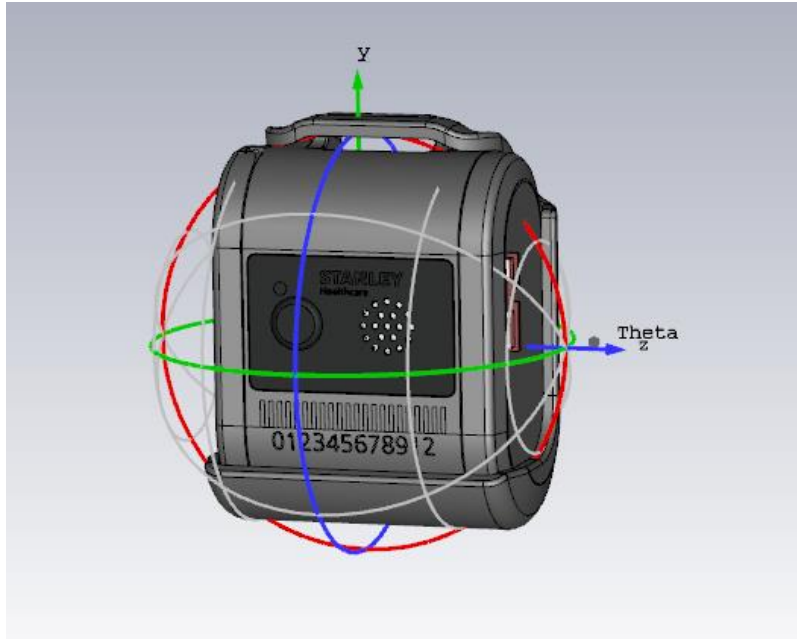


Antenna Layer
L1 - Layer 1 of file
T12s_Ant_ver 2 .dxf

L2 – GND Layer 2 of file
T12s_Ant_ver 2 .dxf

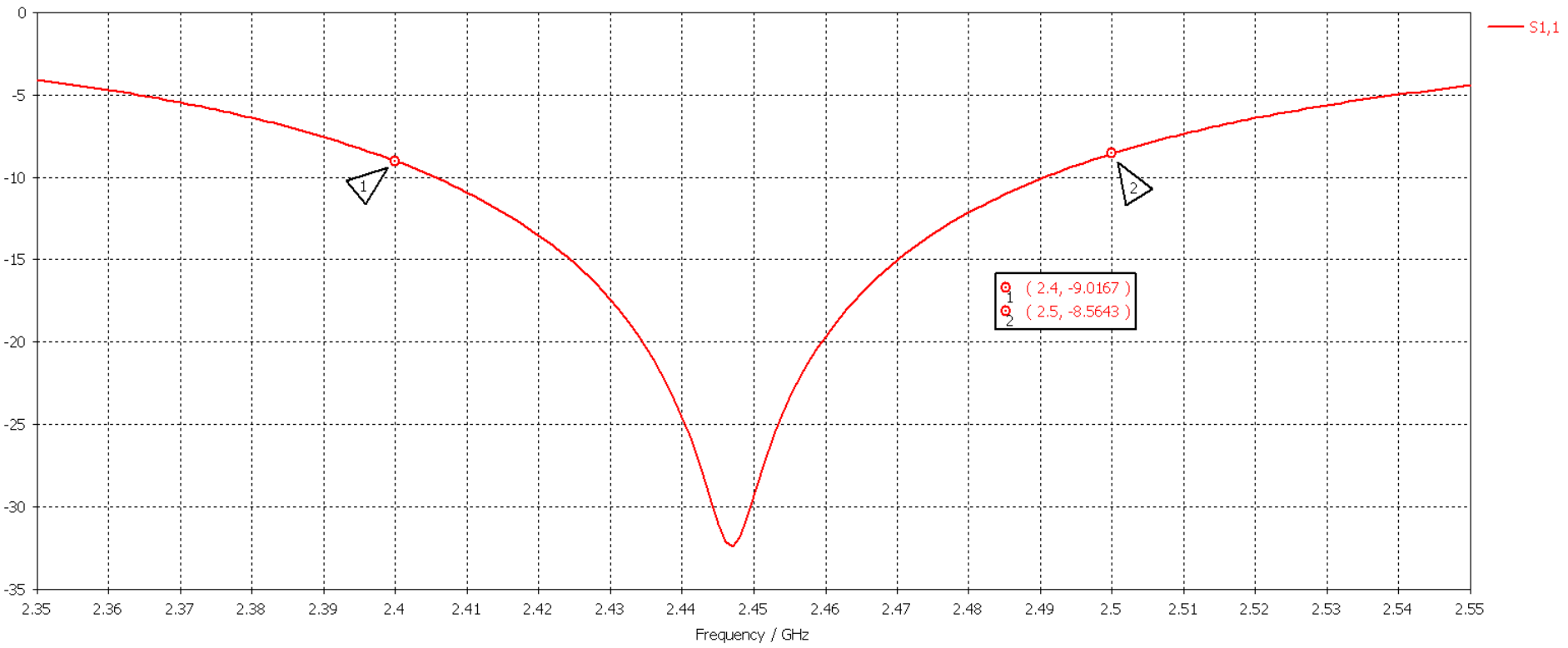
Contour + Via between Antenna layer
to GND (L1 to L2)
Layer 3 of file T12s_Ant_ver 2 .dxf

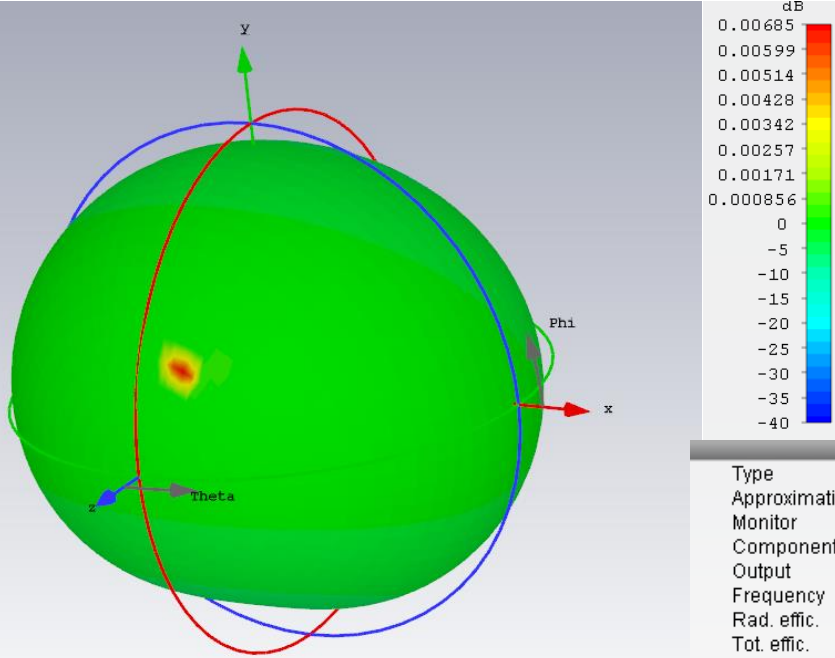
Simulation model



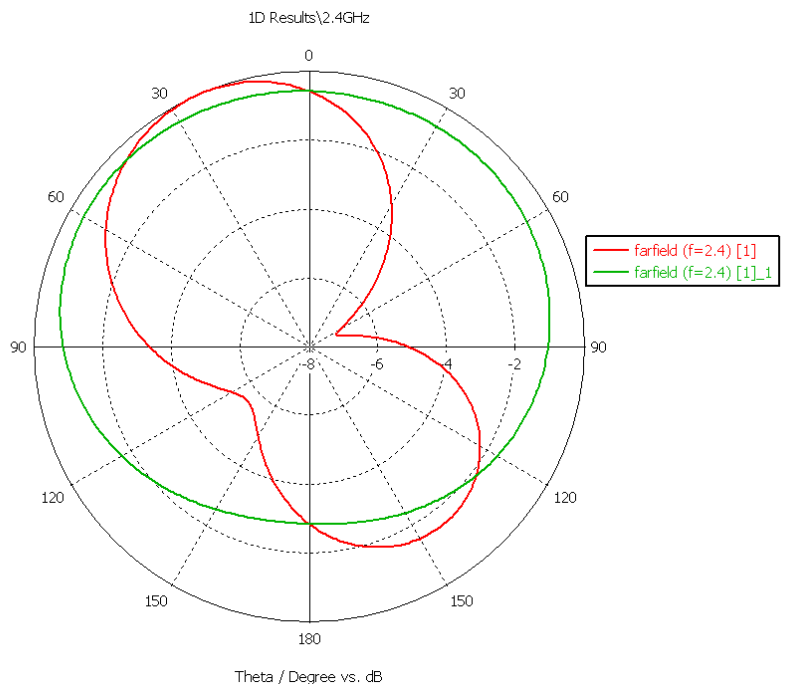
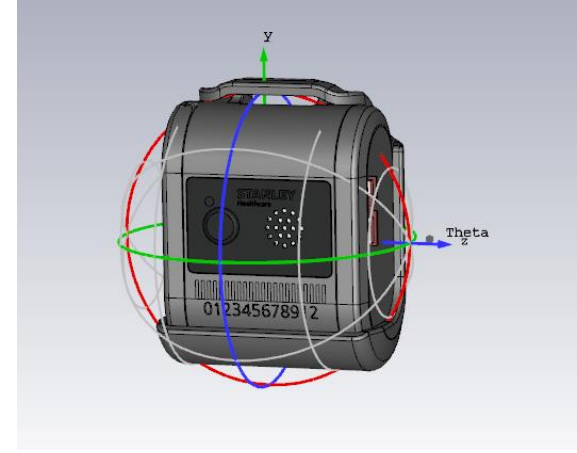
Band 2.4GHz

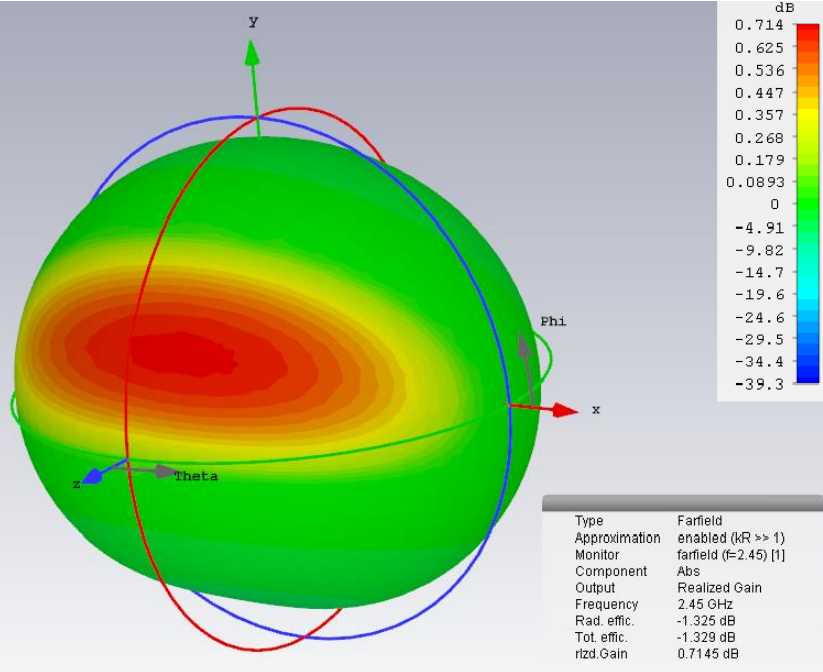
S-Parameters [Magnitude in dB]



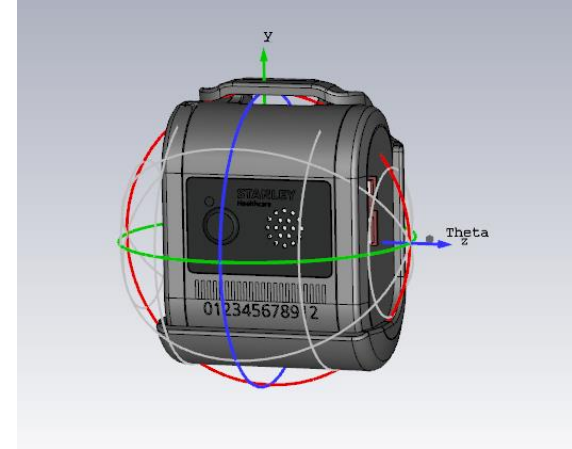
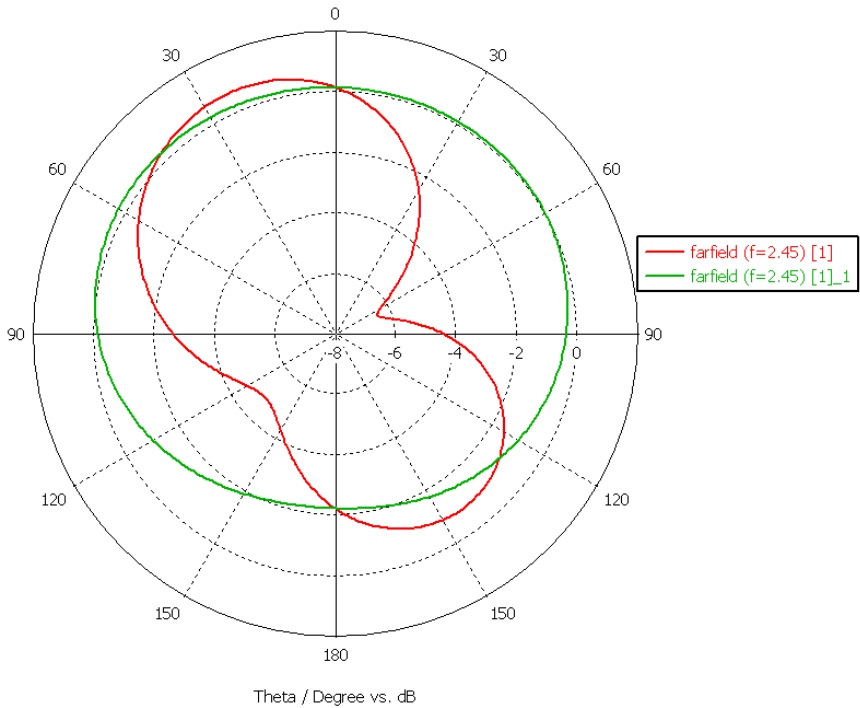


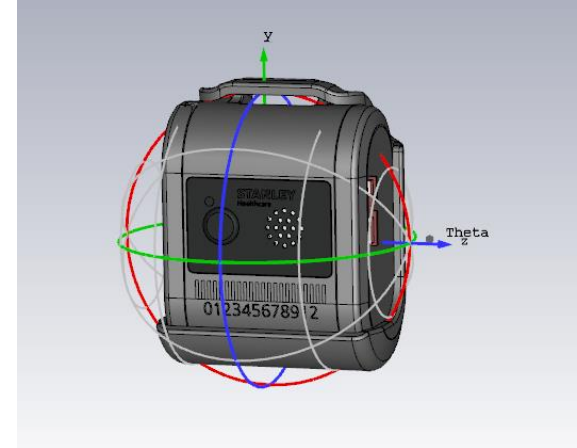
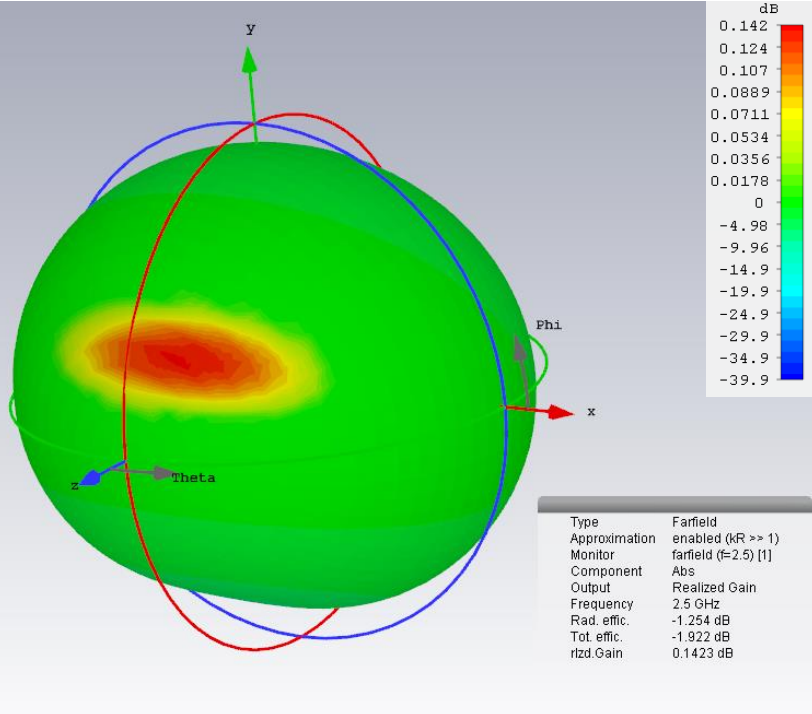
Type	Farfield
Approximation	enabled ($kR \gg 1$)
Monitor	farfield (f=2.4) [1]
Component	Abs
Output	Realized Gain
Frequency	2.4 GHz
Rad. effic.	-1.427 dB
Tot. effic.	-2.012 dB
rlzd.Gain	0.006848 dB





1D Results\2.45GHz





ID Results\2.5GHz

