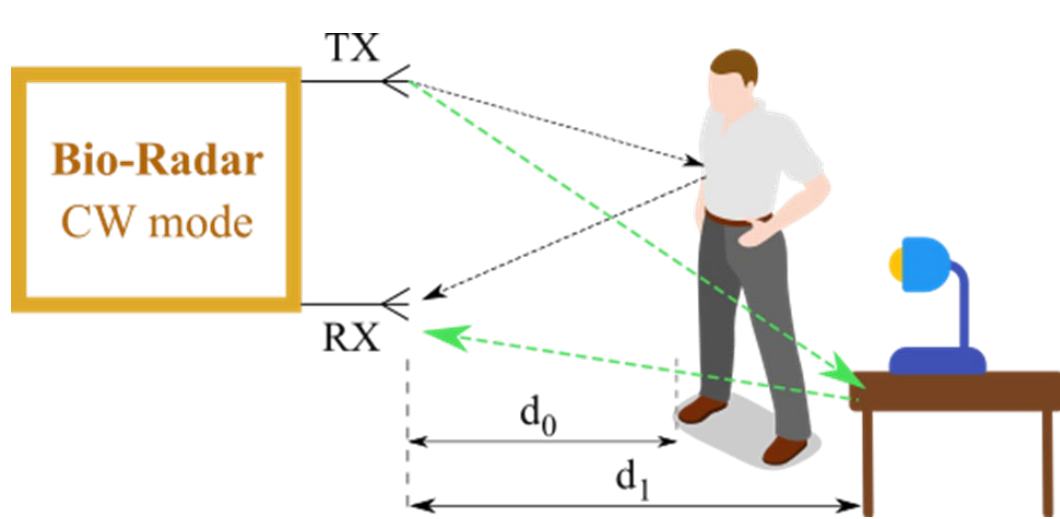


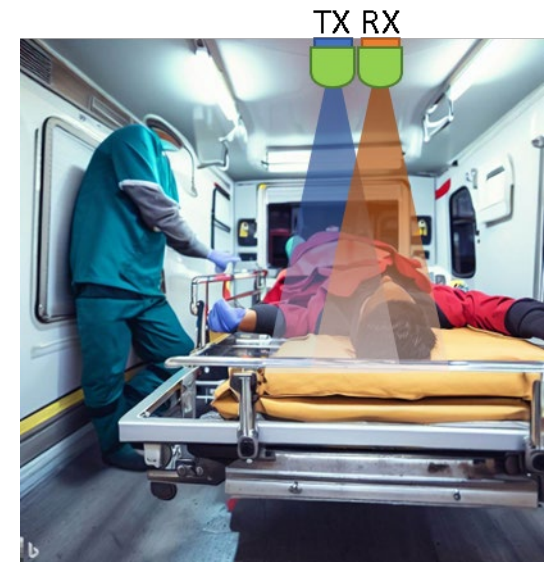
Antenna Design for the Bio-radar System



Real scenario

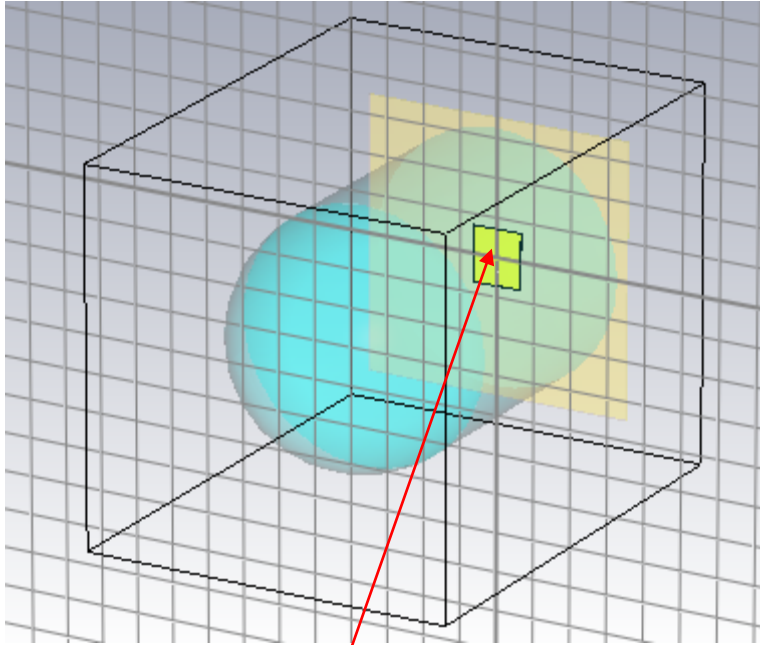


Problem

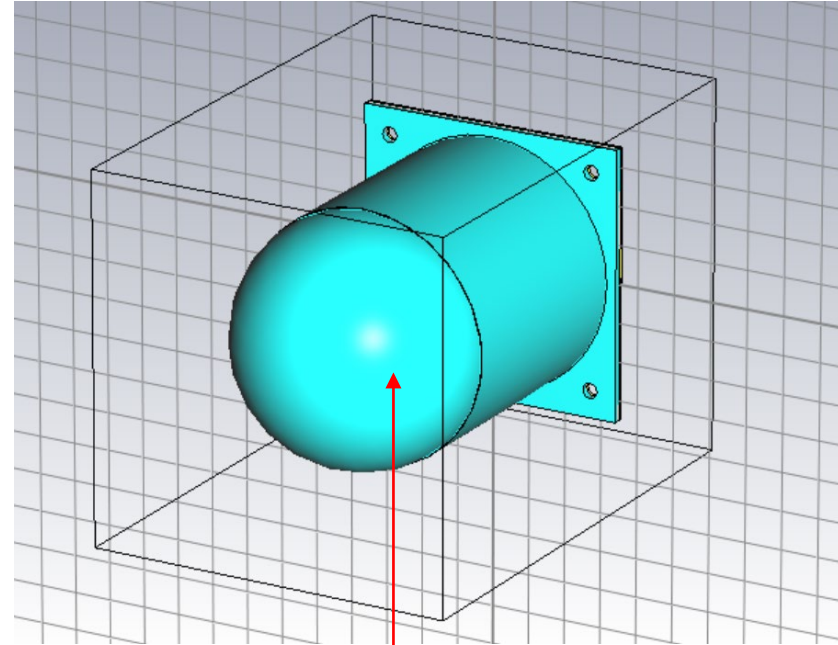


Solution

Solution: design of a dielectric lens

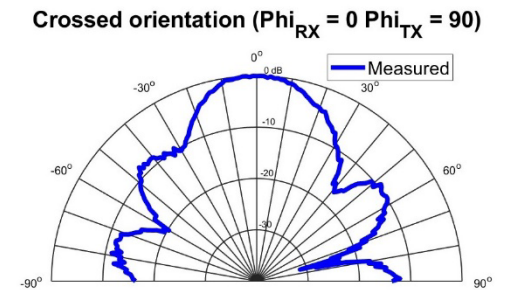
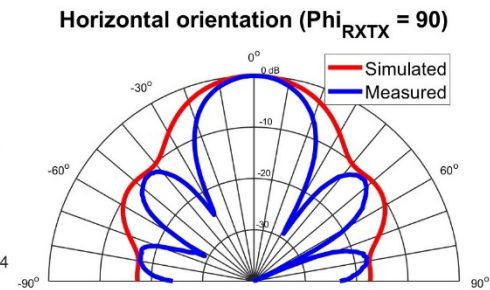
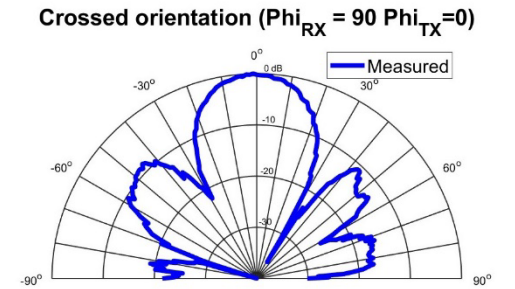
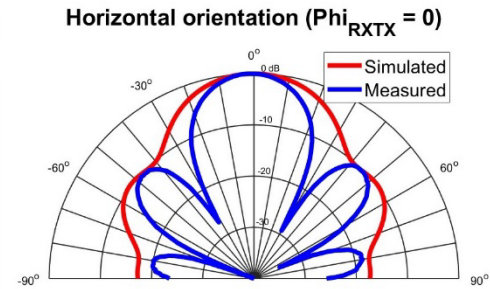
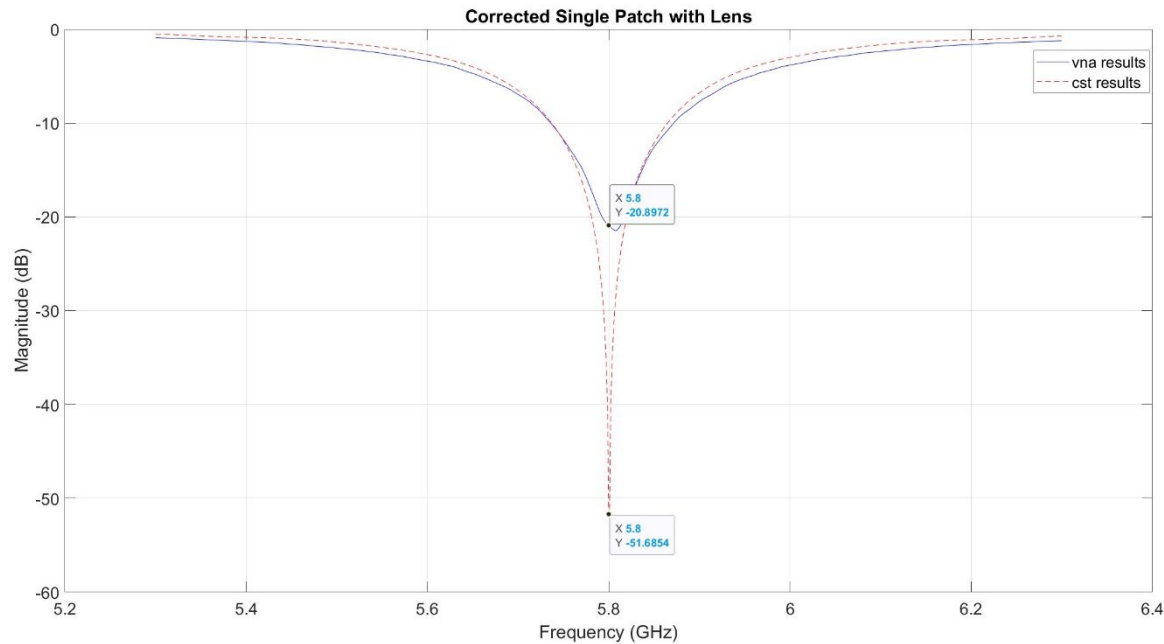


Single patch



Dielectric lens

Antenna implemented – measured vs simulated results



	Gain [dBi]	HPBW [°]	SLL [dB]
Simulated	10,98	41,20	-9,70
Measured	10,52	28,00	-10,22