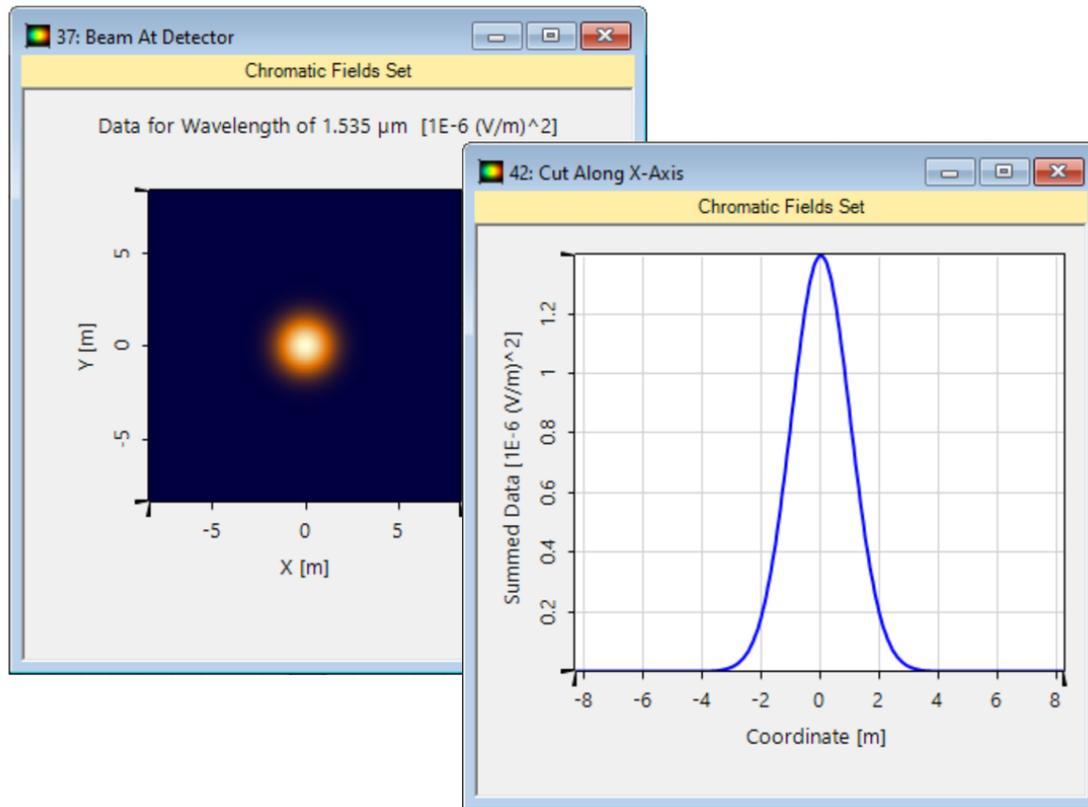


VLF Demo

Propagation over Long Distances

Abstract

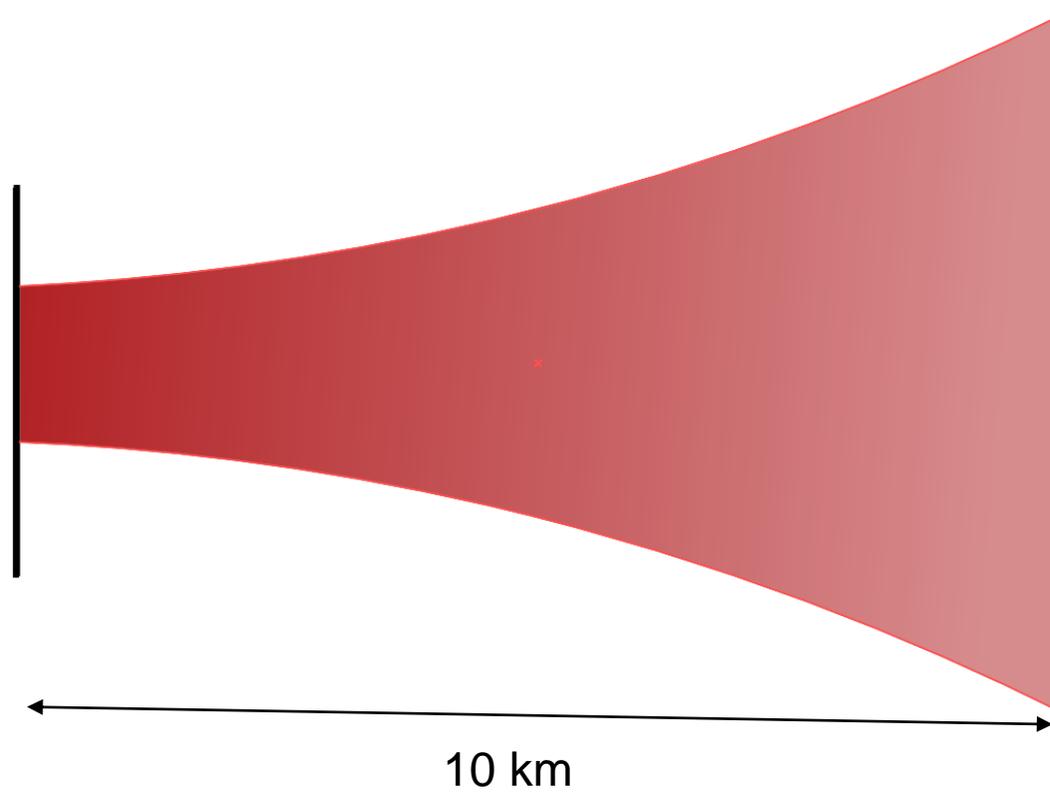


This demonstration shows the propagation of a Gaussian beam for a distance of 10 km.

Task Description

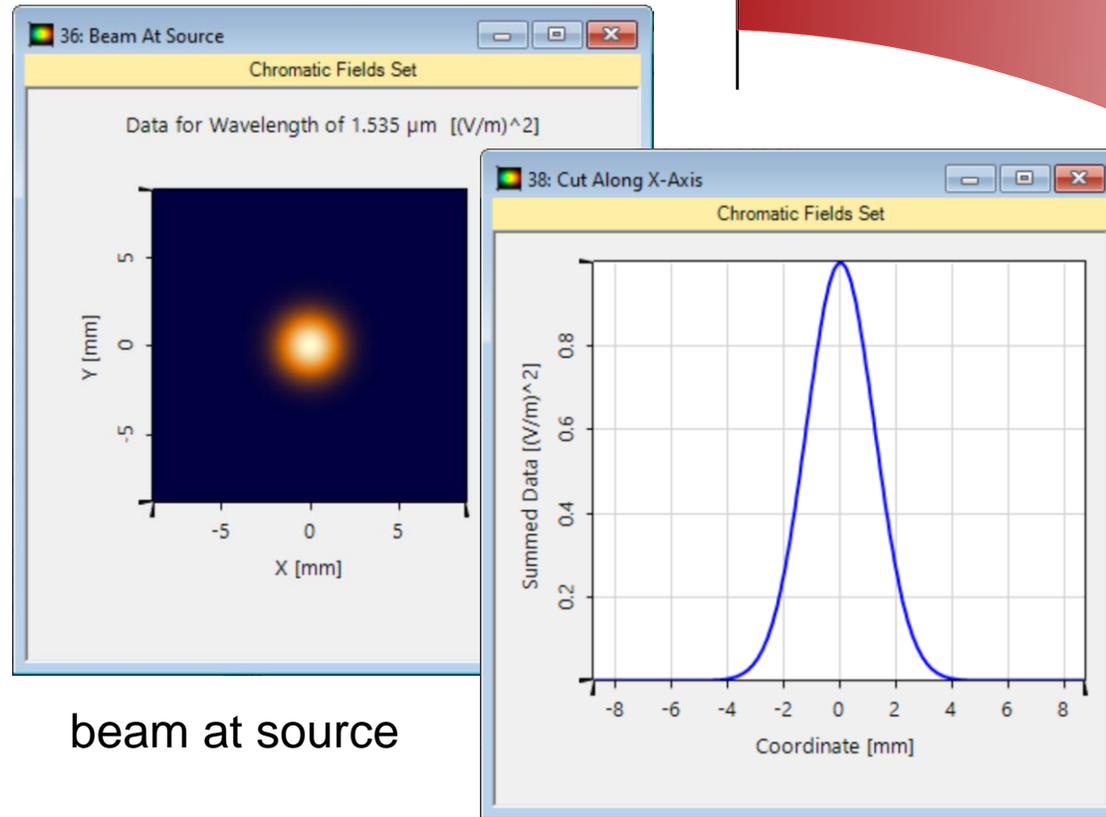
gaussian beam

- 1535 nm wavelength
- divergence: 0.4 mrad

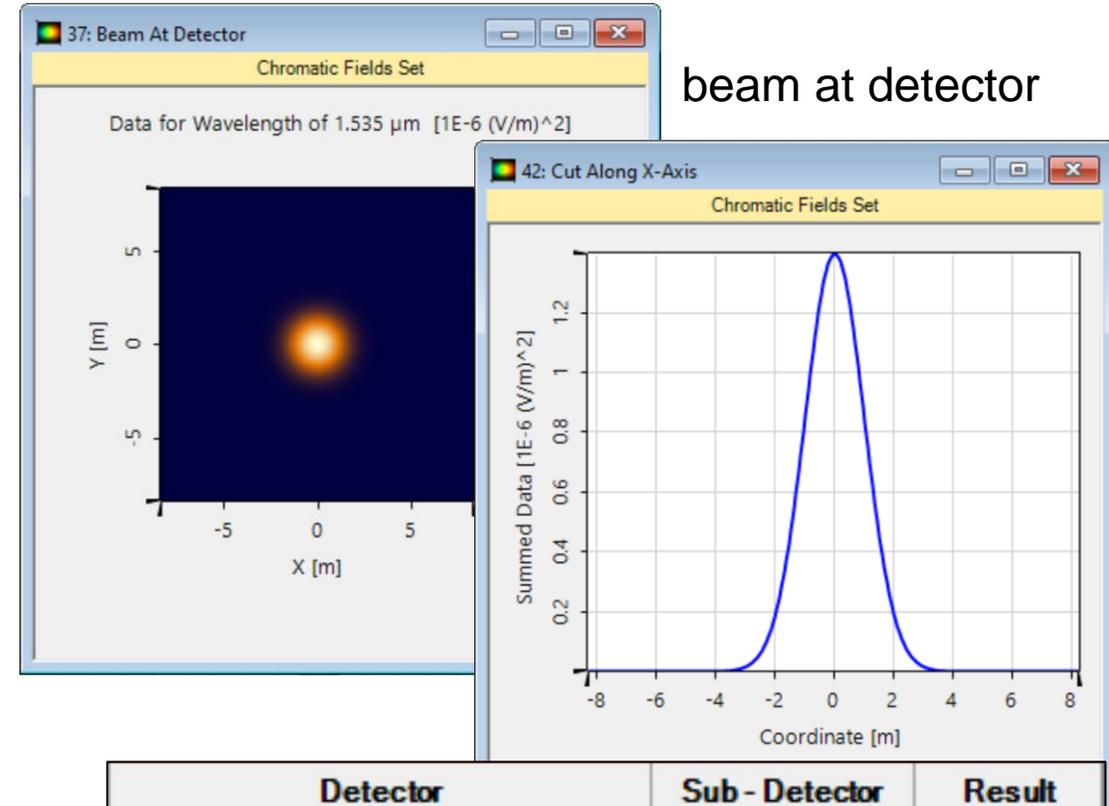
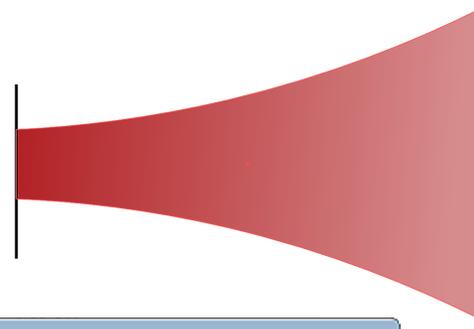


Beam Size after 10 km?

Field Tracing Results



beam at source



beam at detector

Detector	Sub - Detector	Result
"Spot Size" #606 after "Detector Plane" #1 (0) (Field Tracing)	Beam Diameter X	4.021668 m
	Beam Diameter Y	4.021638 m

Document Information

title	Propagation through Long Distances
document code	Demo.0036
version	1.0
VL version used for simulations	VirtualLab Fusion 2020.1
category	Demo
further reading	
