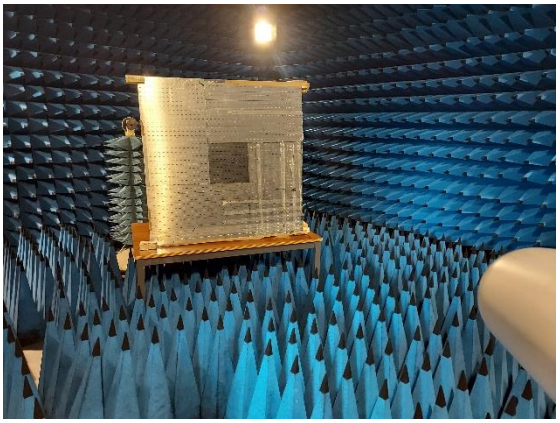
2- Place the grid in the axis between the two antennas as illustrated below.



3- Measure the transmittance in the presence of the grid

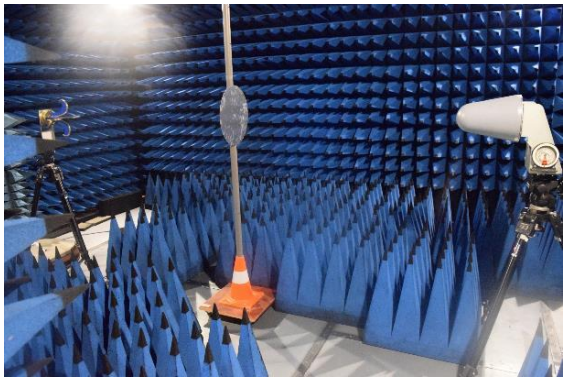
4- From the two previous measurements, deduce the transmittance of the grid.

5- Compare it with the numerical prediction.

6- What interesting observation do you make?

<u>Second experiment</u>: Experimental demonstration of the Arago Spot

Keep the same setup as before and place a circular metallic disk between the antennas as represented below. The disk should be placed more or less in the axis between the antennas and normal to this axis.



1- Measure the transmittance between the antennas

Move the disk in the direction z, normal to the axis between the two antennas. Measure and represent the transmittance as a function of the position of the disk on the z axis.

2- What do you observe?