This is bending fiber where multiple number of bends are added successively. Using the OptiBPM Software ,How can I measure the multiple bending loss at a time?

I am able to find the loss using the path monitor option for straight fiber. For the bending fiber how can I calculate bending loss?

How can I give the input field according to our requirement for the Bessel function and the gaussian function?

The input file formats are “.f3d” and “.f2d” . So I can create these formats for input. I am able to create “.f3d” file for Gaussian in built function. For Bessel function aslo,I need to create. So , How will I create?

My required equations are for input beam

$$Input(Gaussian beam)=e^{-\frac{r^{2}}{W^{2}}}$$

W=10 micrometer

r = 50 micrometer

Where r=core radius, W=beam waist of Gaussian beam

$$Input(Bessel Beam)= J\_{0}(k\_{r}r)e^{-\frac{r^{2}}{W^{2}}}$$

$k\_{r}=$radial wave-vector=$K\sin(θ)=\frac{2π}{λ}\sin(θ)$