

**Py width**

$$\mu_0 M_{s,YIG} = 0.2T$$

$$\mu_0 M_{s,Py} = 1.08T$$

$$K_{u,YIG} = 0$$

$$J_{th} = 2.2A/m^2$$

$$\alpha_{Py} = 2.6 \times 10^{-2}$$

$$\alpha_{YIG} = 10^{-3}$$

$$\mu_0 H_{ext} = 0.08T$$

YIG thickness 10nm

200nm

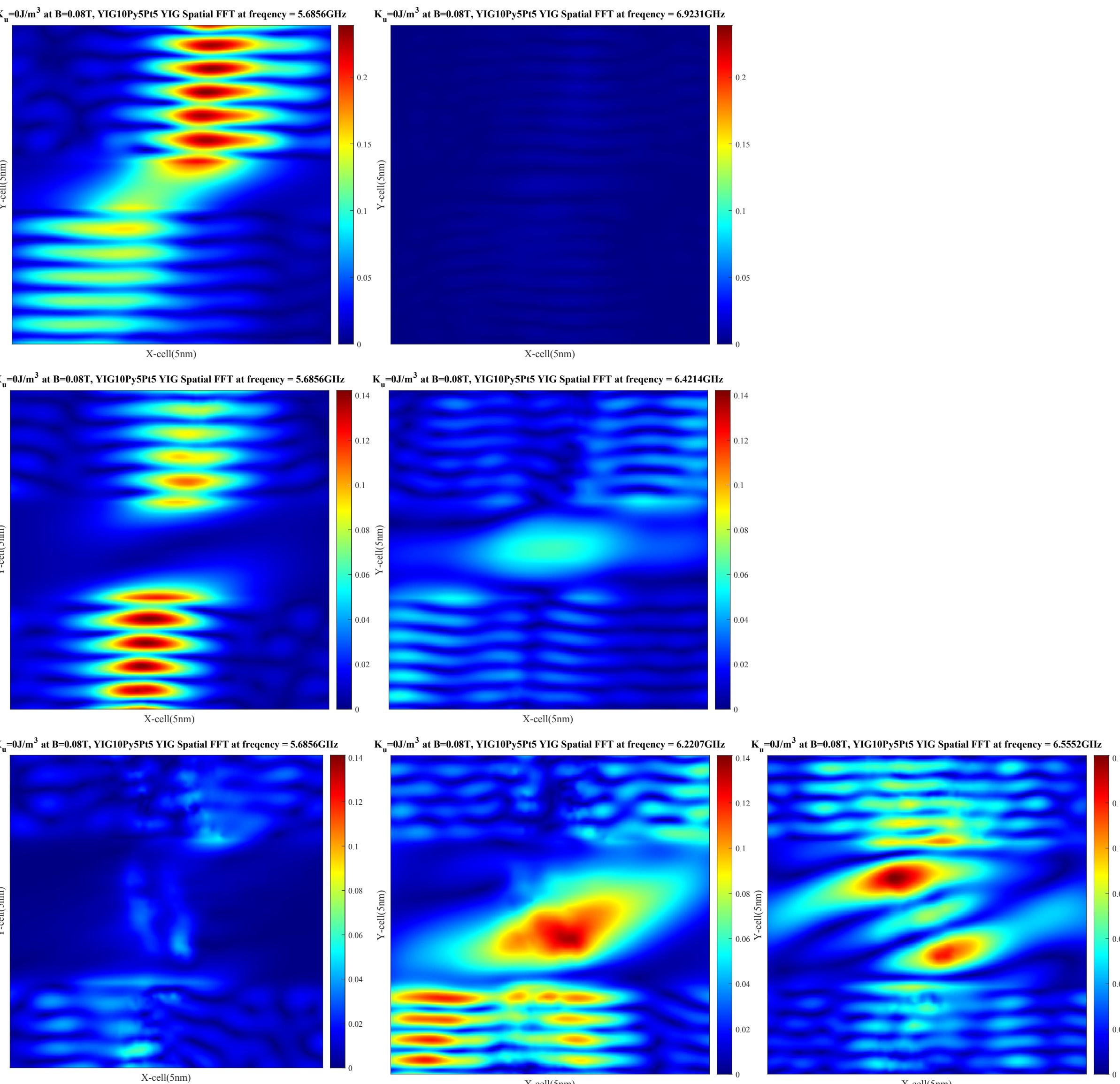
400nm

600nm

**EM**

**BM**

**higher order mode**



**Spatial averaged FFT**

