CLAIMS

1. A magnetic recording medium, comprising ~~at least~~:

a disc-shaped non-magnetic substrate having a hole at a center;

a soft magnetic underlying layer; and

a magnetic recording layer, wherein

relative permeability of the soft magnetic underlying layer under a magnetic field having one of frequencies 100 MHz to 700 MHz increases gradually from a disc outer circumference to a disc inner circumference and a characteristic frequency of the relative permeability increases gradually from the disc inner circumference to the disc outer circumference.

2. The magnetic recording medium according to claim 1,

the soft magnetic underlying layer is formed of a plurality of regions arranged in order from the disc inner circumference to the disc outer circumference,

the plurality of regions includes a disc inner circumference portion which is an innermost circumference region and a disc outer circumference portion which is an outermost circumference region,

the characteristic frequency of the relative permeability increases stepwise from the disc inner circumference to the disc outer circumference, and

the relative permeability increases stepwise from the disc outer circumference to the disc inner circumference.