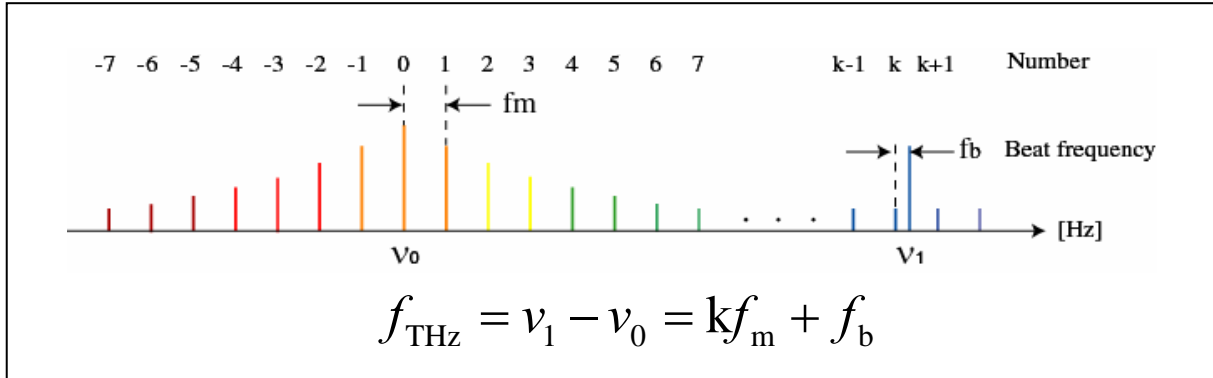
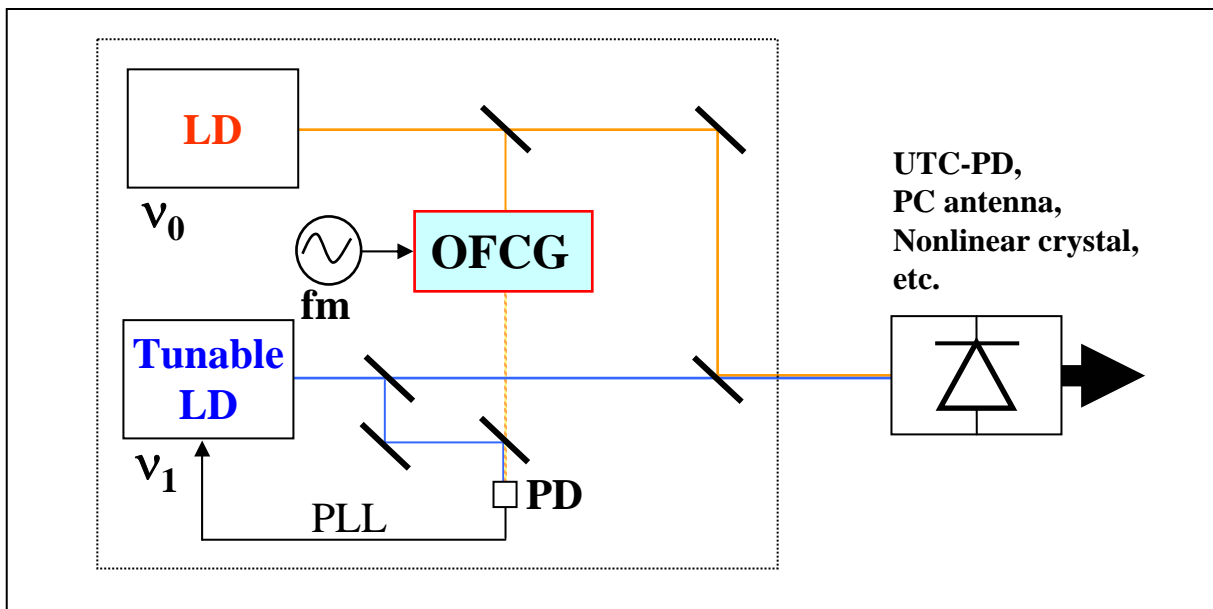


Phase-Locked THz-frequency Synthesis Using Optical Frequency Comb Generator

◆ **THz-frequency difference measurement using an optical frequency comb**



◆ **System for phase-locked THz-frequency synthesis**



Optical frequency comb generator (OFCG) is a useful device for photonic THz-wave generation as an absolute optical frequency grid. OFCG creates a broad comb of equally spaced frequencies, and the comb has rigid phase differences.

OFCG and a phase-locked tunable laser realize absolute THz-frequency synthesis up to several THz.

