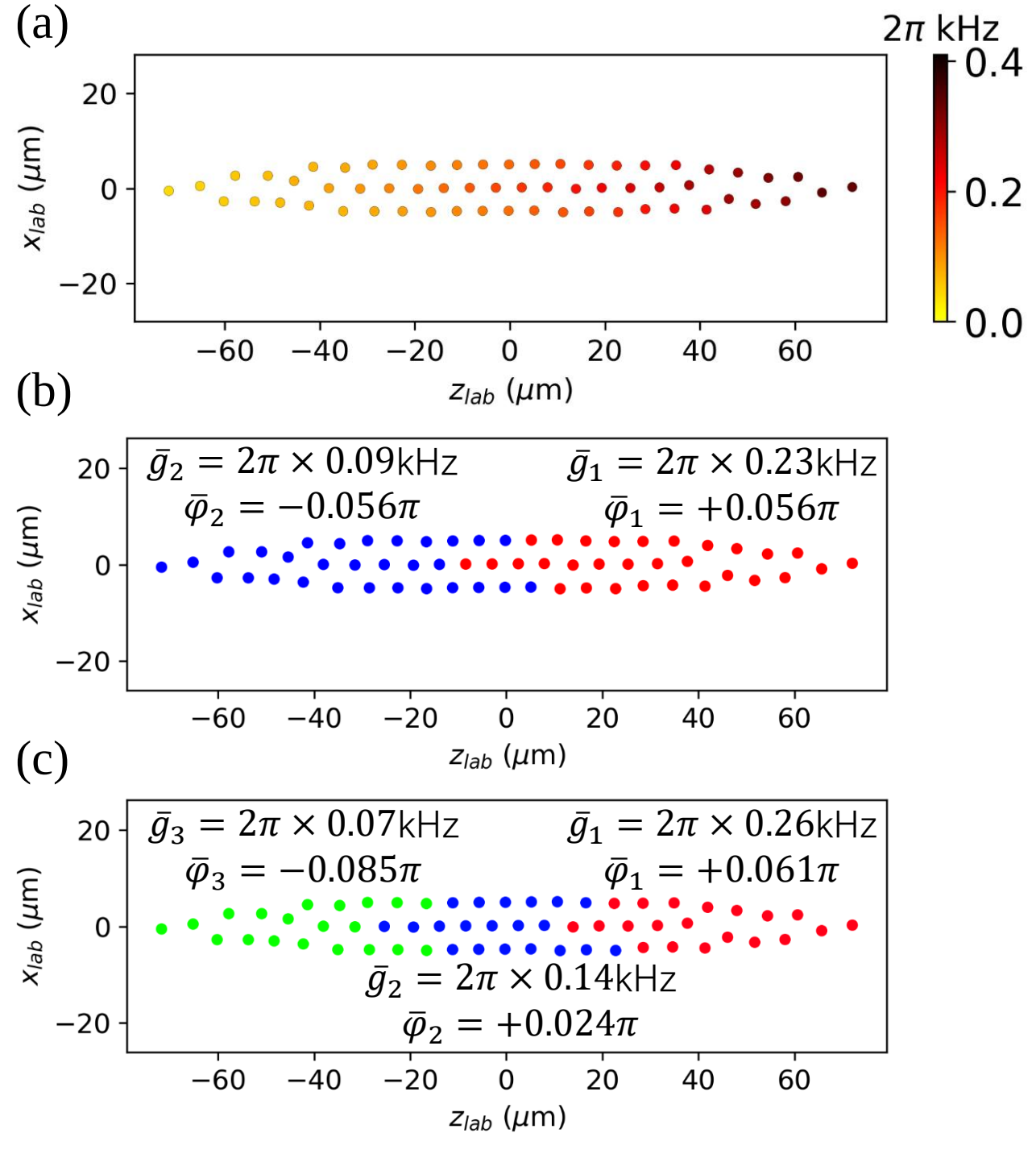

(a)
2π kHz
0.4
0.2
0.0
20
0
−20
x_{lab} (μm)
−60
−40
−20
0
20
40
60
z_{lab} (μm)
(b)
$\bar{g}_2 = 2\pi \times 0.09$kHz
$\bar{\varphi}_2 = -0.056\pi$
$\bar{g}_1 = 2\pi \times 0.23$kHz
$\bar{\varphi}_1 = +0.056\pi$
(c)
$\bar{g}_3 = 2\pi \times 0.07$kHz
$\bar{\varphi}_3 = -0.085\pi$
$\bar{g}_1 = 2\pi \times 0.26$kHz
$\bar{\varphi}_1 = +0.061\pi$
$\bar{g}_2 = 2\pi \times 0.14$kHz
$\bar{\varphi}_2 = +0.024\pi$