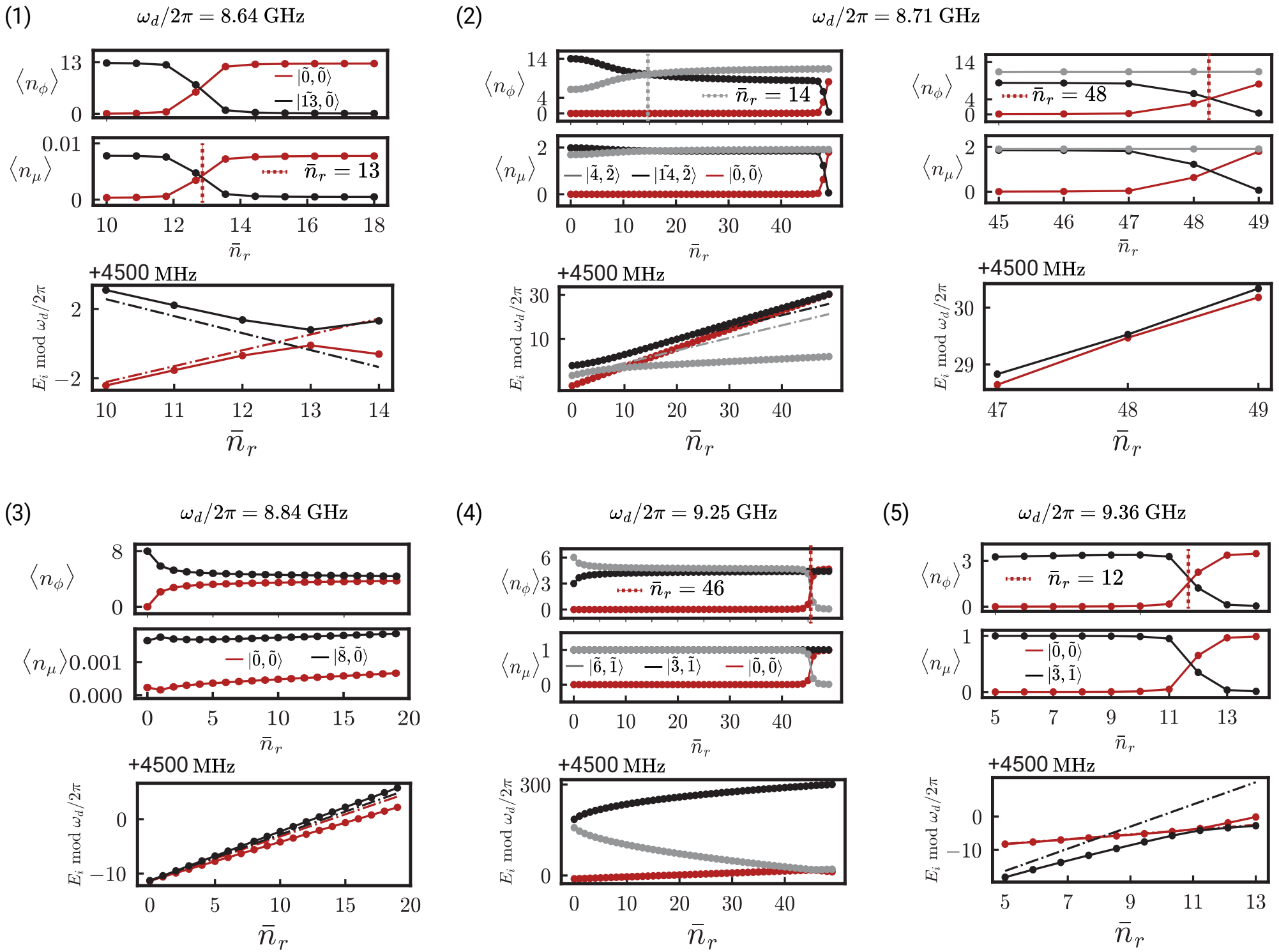
(1)
$\omega_d/2\pi = 8.64$ GHz
$\langle n_\phi \rangle$
$\langle n_\mu \rangle$
$|\tilde{0},\tilde{0}\rangle$
$|\tilde{13},\tilde{0}\rangle$
$\bar{n}_r = 13$
+4500 MHz
$E_i \bmod \omega_d/2\pi$
$\bar{n}_r$
(2)
$\omega_d/2\pi = 8.71$ GHz
$\bar{n}_r = 14$
$|\tilde{4},\tilde{2}\rangle$
$|\tilde{14},\tilde{2}\rangle$
$|\tilde{0},\tilde{0}\rangle$
$\bar{n}_r = 48$
(3)
$\omega_d/2\pi = 8.84$ GHz
$|\tilde{0},\tilde{0}\rangle$
$|\tilde{8},\tilde{0}\rangle$
(4)
$\omega_d/2\pi = 9.25$ GHz
$\bar{n}_r = 46$
$|\tilde{6},\tilde{1}\rangle$
$|\tilde{3},\tilde{1}\rangle$
$|\tilde{0},\tilde{0}\rangle$
(5)
$\omega_d/2\pi = 9.36$ GHz
$\bar{n}_r = 12$
$|\tilde{0},\tilde{0}\rangle$
$|\tilde{3},\tilde{1}\rangle$