(a) $\mathbf{i} = |\tilde{\mathbf{0}}, \tilde{\mathbf{0}}\rangle$  (b) $\mathbf{i} = |\tilde{\mathbf{1}}, \tilde{\mathbf{0}}\rangle$  (c) $\mathbf{i} = |\tilde{\mathbf{2}}, \tilde{\mathbf{0}}\rangle$

$\bar{n}_r$

$\langle n_\phi \rangle$

$\langle n_\mu \rangle$

$\omega_d / 2\pi$ [GHz]