Resonant:
Wave packet state coupling
$$A = 1 + a_2 e^{i\Delta\omega\tau + i\phi_2}$$

Non-Resonant:
Strong-field ionization
$$A = a_1 e^{i\phi_1}$$

Combined:
$$A = a_1 e^{i\phi_1}(1 + a_2 e^{i\Delta\omega\tau + i\phi_2})$$