$$\Psi_{213} = C_1 \left(|022d\rangle - i\,|02d2\rangle - |0d22\rangle - |202d\rangle + i\,|20d2\rangle + |220d\rangle + i\,|22d0\rangle - |2d02\rangle + |2d20\rangle - i\,|d022\rangle + i\,|d202\rangle - i\,|d220\rangle \right)$$

$$C_1 = \frac{1}{2\sqrt{3}}$$