$$d\mu_{\ell}(x)=\frac{2^{r\ell a/2}}{\Gamma_{ra/2}^{\ell}}\,\mathfrak{e}^{-2x}\,d\mu_{\ell}(x)$$

$${}^{x}\mathcal{J}_{z}^{\ell a/2}=\sum_{\lambda}^{\lambda|\leqslant\ell}\frac{1}{(\ell a/2)_{\lambda}}\,{}^{x}\mathfrak{e}_{-z}^{\lambda}$$

$$\partial_{\ell}\Omega_{\underline{\diagup}_{m}^{2}}\mathbb{C}\xleftarrow{\mathcal{J}^{\ell a/2}}\partial_{\ell}\Omega_{\underline{\diagup}_{m}^{2}}\mathbb{C}$$

$$\int_{d\mu_{\ell}(x)}^{\partial_{\ell}\Omega}{}^{x}\mathfrak{e}_{y}^{-1}\,{}^{x}\mathcal{J}_{z}^{\ell a/2}={}^{y}\Delta^{-\ell a/2}\,{}^{y^{-1}}\mathfrak{e}_{z}^{-1}$$

$$\text{LHS}=\int_{d\mu_{\ell}(x)}^{\partial_{\ell}\Omega}{}^{x}\mathfrak{e}_{y}^{-1}\sum_{\lambda}^{\lambda|\leqslant\ell}\frac{1}{(\ell a/2)_{\lambda}}\,{}^{x}\mathfrak{e}_{-z}^{\lambda}=\sum_{\lambda}^{\lambda|\leqslant\ell}\frac{1}{(\ell a/2)_{\lambda}}\int_{d\mu_{\ell}(x)}^{\partial_{\ell}\Omega}{}^{x}\mathfrak{e}_{y}^{-1}\,{}^{x}\mathfrak{e}_{-z}^{\lambda}$$

$$\underset{\text{LAS}}{=}\sum_{\lambda}^{\lambda|\leqslant\ell}{}^{y}\Delta^{-\ell a/2}\,{}^{y^{-1}}\mathfrak{e}_{-z}^{\lambda}\underset{z|\leqslant\ell}{=}{}^{y}\Delta^{-\ell a/2}\sum_{\lambda}{}^{y^{-1}}\mathfrak{e}_{-z}^{\lambda}=\text{RHS}$$