$$E^{\frac{z}{2}} m!\,\Gamma\left(\frac{1-m}{2}-\nu\right)$$

$$WhittakerW[\nu,\frac{m}{2},z] = -\left(\frac{(-1)^m\, z^{\frac{1+m}{2}}\,\mathrm{Ln}\, z}{E^{\frac{z}{2}} m!\,\Gamma\left(\frac{1-m}{2}-\nu\right)\left(1+\underset{k=1}{\overset{\infty}{\mathrm{K}}}\frac{-\frac{z(-1+2k+m-2\nu)}{2k(k+m)}}{1+\frac{z(-1+2k+m-2\nu)}{2k(k+m)}}\right)}\right) + \frac{z^{\frac{1-m}{2}}\,(-1+m)\,!}{E^{\frac{z}{2}}\,\Gamma\left(\frac{1+m-2\nu}{2}\right)\left(1+\underset{k=1}{\overset{\infty}{\mathrm{K}}}\frac{\frac{z(1-2k+m+2\nu)}{2k(k-m)}}{1-\frac{z(1-2k+m+2\nu)}{2k(k-m)}}\right)} - \frac{(-1)^m\, z^{\frac{1+m}{2}}\left(EulerGamma-\psi^{(0)}(1+m)+\psi^{(0)}\left(\frac{1+m}{2}-\nu\right)\right)}{E^{\frac{z}{2}} m!\,Gamma[\frac{1-m}{2}-\nu]\left(1+\underset{k=1}{\overset{\infty}{\mathrm{K}}}\frac{-\frac{z(-1+2k+m-2\nu)\left(\psi^{(0)}(1+k)+\psi^{(0)}(1+k+m)-\psi^{(0)}\left(k+\frac{1+m}{2}-\nu\right)\right)}{2k(k+m)\left(\psi^{(0)}(k)+\psi^{(0)}(k+m)-\psi^{(0)}\left(-\frac{1}{2}+k+\frac{m}{2}-\nu\right)\right)}}{1+\frac{z(-1+2k+m-2\nu)\left(\psi^{(0)}(1+k)+\psi^{(0)}(1+k+m)-\psi^{(0)}\left(k+\frac{1+m}{2}-\nu\right)\right)}{2k(k+m)\left(\psi^{(0)}(k)+\psi^{(0)}(k+m)-\psi^{(0)}\left(-\frac{1}{2}+k+\frac{m}{2}-\nu\right)\right)}}\right)}, Element[m,Integers]\wedge Element[\nu|z,Complexes]\wedge m>0$$

$$\left(E^{\frac{z}{2}} m!\,\Gamma\left(\frac{1-m}{2}-\nu\right)(1)\right)$$

$$\Gamma$$