Dark Energy Survey Year 3 results: simulation-based cosmological inference with wavelet harmonics, scattering transforms, and moments of weak lensing mass maps II. Cosmological results

M. Gatti,<sup>1,\*</sup> G. Campailla,<sup>2</sup> N. Jeffrey,<sup>3</sup> L. Whiteway,<sup>3</sup> A. Porredon,<sup>4</sup> J. Prat,<sup>5</sup> J. Williamson,<sup>3</sup> M. Raveri,<sup>2</sup> B.