

The associated zip file has almost all the files needed to run the example. The main script is NTNBeamformingPDSCHThroughput.mlx. To run the code, you will need Internet access in order to download a large digital maps file that enables an ITU P.618 atmospheric loss analysis. You will also need the following products in addition to MATLAB:

1. Antenna Toolbox
2. Communications Toolbox
3. Parallel Computing Toolbox
4. 5G Toolbox
5. Phased Array System Toolbox
6. RF Toolbox
7. Satellite Communications Toolbox
8. DSP System Toolbox
9. Signal Processing Toolbox