

## Abstract

### WAVEFORM PART CONFIGURATIONS FOR V2X COMMUNICATION

A user equipment (UE), comprising: higher layer circuitry configured to receive information to configure a sidelink bandwidth part (BWP) and second information to configure one or more resource pool for sidelink transmission and/or reception; transmitting circuitry configured to transmit a physical sidelink control channel (PSCCH) and a physical sidelink shared channel (PSSCH), wherein subcarrier spacing is associated with the sidelink BWP, and a demodulation reference signal configuration for the PSCCH and PSSCH is configured for each of the one or more resource pools.

Figure 1