[Claim 1]

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

[Claim 2]

A base station (gNB), comprising:
higher layer circuitry configured to transmit first information to configure a sidelink bandwidth part (BWP) and second information to configure one or more resource pools for sidelink communication; wherein
the first information configures a subcarrier spacing, and
the second information configures, for each of the one or more resource pools, a demodulation reference signal configuration for a physical sidelink control channel (PSCCH) and a physical sidelink shared channel (PSSCH) is configured for each of the one or more resource pools.

[Claim 3]

A communication method by a user equipment (UE), comprising:
receiving first information to configure a sidelink bandwidth part (BWP) and second information to configure one or more resource pools for sidelink transmission and/or reception; and
transmitting a physical sidelink control channel (PSCCH) and a physical sidelink shared channel (PSSCH), wherein
the first information configures a subcarrier spacing, and
the second information configures, for each of the one or more resource pools, a demodulation reference signal configuration for a physical sidelink control channel (PSCCH) and a physical sidelink shared channel (PSSCH) is configured for each of the one or more resource pools.