

CLAIMS

1. A method for wireless communications by a base station, comprising:
 - determining frequency locations of Type0-physical downlink control channel (PDCCH) common search space control resource set (CORESET) in a physical downlink shared channel (PDSCH);
 - determining frequency locations of Type0a-PDCCH common search space CORESET in the PDSCH based on the frequency locations of the Type0-PDCCH common search space CORESET; and
 - transmitting the Type0a-PDCCH common search space CORESET based on the frequency locations of the Type0a-PDCCH common search space CORESET.

2. The method of claim 1, wherein determining the frequency locations of Type0-PDCCH common search space CORESET further comprises:
 - transmitting a synchronization signal block (SSB), the SSB comprising a Type0-PDCCH common search space CORESET configuration and a physical resource block (PRB) grid offset in a physical broadcast channel (PBCH), the Type0-PDCCH common search space CORESET configuration comprising an indication indicative of one or more offset values corresponding to one or more offsets relating to frequency locations of Type0-PDCCH common search space CORESET resource blocks (PRBs) relative to frequency locations of PRBs of the SSB.

3. An apparatus for wireless communications, comprising:
 - at least one processor;
 - memory coupled with the at least one processor; and
 - instructions stored in the memory and operable, when executed by the processor, to cause the apparatus to:
 - determine frequency locations of Type0-physical downlink control channel (PDCCH) common search space control resource set (CORESET) in a physical downlink shared channel (PDSCH);

determine frequency locations of Type0a-PDCCH common search space CORESET in the PDSCH based on the frequency locations of the Type0-PDCCH common search space CORESET; and

transmit the Type0a-PDCCH common search space CORESET based on the frequency locations of the Type0a-PDCCH common search space CORESET.

4. The apparatus of claim 3, further comprising instructions operable, when executed by the at least one processor, to cause the apparatus to transmit a synchronization signal block (SSB), the SSB comprising a Type0-PDCCH common search space CORESET configuration and a physical resource block (PRB) grid offset in a physical broadcast channel (PBCH), the Type0-PDCCH common search space CORESET configuration comprising an indication indicative of one or more offset values corresponding to one or more offsets relating to frequency locations of Type0-PDCCH common search space CORESET resource blocks (PRBs) relative to frequency locations of PRBs of the SSB.

5. A non-transitory computer-readable medium storing code for wireless communication, the code comprising instructions executable by at least one processor to:

determine frequency locations of Type0-physical downlink control channel (PDCCH) common search space control resource set (CORESET) in a physical downlink shared channel (PDSCH);

determine frequency locations of Type0a-PDCCH common search space CORESET in the PDSCH based on the frequency locations of the Type0-PDCCH common search space CORESET; and

transmit the Type0a-PDCCH common search space CORESET based on the frequency locations of the Type0a-PDCCH common search space CORESET.

6. The non-transitory computer-readable medium of claim 5, further comprising instructions executable by the at least one processor to transmit a synchronization signal block (SSB), the SSB comprising a Type0-PDCCH common search space CORESET configuration and a physical resource block (PRB) grid offset in a physical broadcast channel (PBCH), the Type0-PDCCH common search space CORESET configuration comprising an indication indicative of

one or more offset values corresponding to one or more offsets relating to frequency locations of Type0-PDCCH common search space CORESET resource blocks (PRBs) relative to frequency locations of PRBs of the SSB.

7. An apparatus for wireless communications, comprising:
 - means for determining frequency locations of Type0-physical downlink control channel (PDCCH) common search space control resource set (CORESET) in a physical downlink shared channel (PDSCH);
 - means for determining frequency locations of Type0a-PDCCH common search space CORESET in the PDSCH based on the frequency locations of the Type0-PDCCH common search space CORESET; and
 - means for transmitting the Type0a-PDCCH common search space CORESET based on the frequency locations of the Type0a-PDCCH common search space CORESET.

8. The apparatus of claim 7, further comprising means for transmitting a synchronization signal block (SSB), the SSB comprising a Type0-PDCCH common search space CORESET configuration and a physical resource block (PRB) grid offset in a physical broadcast channel (PBCH), the Type0-PDCCH common search space CORESET configuration comprising an indication indicative of one or more offset values corresponding to one or more offsets relating to frequency locations of Type0-PDCCH common search space CORESET resource blocks (PRBs) relative to frequency locations of PRBs of the SSB.