

CLAIMS

1. A method performed by a wireless device (10) for handling communication of the wireless device (10) in a wireless communication network (1), wherein a radio network node (12) serves the wireless device (10), the method comprising:

- *obtaining* (1011) a first indication indicating a first number of beams for performing cell quality derivation on and a second indication indicating a second number of beams for performing measurement reporting on, wherein the first and second numbers are different and the first number is lower than the second number, wherein obtaining the first indication comprises assuming the first indication to indicate that the first number of beam is one when no indication is received by the wireless device, or when only receiving the second indication from the radio network node;

- *performing* (1014) a cell quality derivation taking the first indication into account; and

- *performing* (1015) measurement reporting of the second number of beams taking the second indication into account.

2. The method according to claim 1, wherein the first and/or the second indication is a real value defining the number of beams and/or a threshold value defining best beams.

3. The method according to claim 1 or 2, comprising, setting up (1013) a maximum number of filters, and performing (1014) cell quality derivation using a subset of values for cell quality derivation while including all available filtered values in the measurement reports.

4. The method according to any of the claims 1-3, wherein numbers of beams configured by the radio network node to be used by the wireless device for cell quality derivation and measurement reporting are interpreted as the maximum number of beams to be averaged to compute cell quality derivation; and/or wherein the first indication is a function using the second indication.

5. A wireless device (10) for handling communication of the wireless device (10) in a wireless communication network (1), wherein a radio network node (12) is

configured to serve the wireless device (10) and the wireless device is configured to:

obtain a first indication indicating a first number of beams for performing cell quality derivation on and a second indication indicating a second number of beams for performing measurement reporting on, wherein the first and second numbers are different and the first number is lower than the second number, wherein the wireless device is configured to obtain the first indication by assuming the first indication to indicate that the first number of beam is one when no indication is received by the wireless device, or when only receiving the second indication from the radio network node;

perform a cell quality derivation taking the first indication into account; and

perform a measurement reporting of the second number of beams taking the second indication into account.

6. The wireless device (10) according to claim 5, wherein the first and/or the second indication is a real value defining the number of beams and/or a threshold value defining best beams.

7. The wireless device (10) according to claim 5 or 6, further being configured to set up a maximum number of filters, and to perform the cell quality derivation using a subset of values for cell quality derivation while including all available filtered values in the measurement reports.

8. The wireless device (10) according to any of the claims 5-7, configured to interpret the numbers of beams configured by the radio network node to be used by the wireless device for cell quality derivation and measurement reporting as the maximum number of beams to be averaged to compute cell quality derivation.

9. The wireless device (10) according to any of the claims 5-8, wherein the first indication is a function using the second indication.

10. A computer program product comprising instructions, which, when executed on at least one processor, causes the at least one processor to carry out the method according to any of the claims 1-4, as performed by the wireless device.

11. A computer-readable storage medium, having stored thereon a computer program product comprising instructions which, when executed on at least one processor, cause the at least one processor to carry out the method according to any of the claims 1-4, as performed by the wireless device.