WHAT IS CLAIMED IS:

1. A wireless device (30) comprising:

a transceiver (32) configured at least to receive radio signals on at least a first carrier frequency, wherein said transceiver (32) is further configured to receive information regarding a first pattern associated with the first carrier frequency, the first pattern being a sequence of subframes of a first type and subframes of a second type; and

a processor (34) configured to determine a second pattern, the determination being based on the first pattern and at least one of an indication and a pre-determined rule, which indication or pre-determined rule relates the first pattern to the second pattern,

wherein the first pattern and the second pattern are ~~at least one of a~~ measurement pattern<u>s</u> ~~and a transmit pattern~~.

2. The wireless device of claim 1, ~~wherein the first pattern and the second pattern are measurement patterns, and~~ wherein the first type of subframes is restricted subframes and the second type of subframes is unrestricted subframes, the restricted subframes providing a lower interference measurement opportunity for the wireless device relative to the unrestricted subframes.

~~3. The wireless device of claim 1, wherein the first pattern and the second pattern are transmit patterns, and wherein the first type of subframes contain restricted signal transmission and the second type of subframes contain unrestricted signal transmission, wherein the restricted signal transmission refers to either not transmitting any signal, transmitting a limited subset of signals or transmitting at a lower power.~~

~~4. The wireless device of claim 3, wherein the transmit pattern is an ABS pattern.~~

3~~5~~. The wireless device of claim 1 or 2~~-4~~, wherein

the indication which relates the first pattern to the second pattern is received from a configuring network node~~, or~~

~~the processing unit is further configured to determine the second pattern based on the pre-determined rule and the first pattern~~.

4~~6~~. The wireless device of any of claims 1-3~~5~~, wherein

(A) the indication which relates the first pattern to the second pattern indicates that the first pattern and the second pattern are identical or that the first pattern and the second pattern are different, or

(B) the indication which relates the first pattern to the second pattern indicates that the first pattern and the second pattern are identical for a predetermined type of measurement, or

(C) the indication which relates the first pattern to the second pattern indicates that the first pattern and the second pattern have a same one or more characteristics.

5~~7~~. The wireless device of claim 4~~6~~, wherein, if the indication relating the first pattern and the second pattern indicates that the first pattern and the second pattern have the same one or more characteristics, the same one or more characteristics includes at least one of: a reference starting time, a sub-sequence of the subframes of the first type and the subframes of the second type, number of subframes of the first type and subframes of the second type, and/or a periodicity.

~~8. The wireless device of any of claims 1-7, wherein the first carrier frequency is a serving carrier frequency and further comprising a second carrier frequency which is an inter-frequency carrier frequency.~~

~~9. The wireless device of any of claims 1-7, wherein the first carrier frequency is a primary component carrier and further comprising a second carrier frequency which is a secondary component carrier in a multi-carrier system, a coordinated multipoint system or in a distributed antenna system.~~

6~~10~~. The wireless device of ~~either~~any preceding claim ~~claims 8 or 9~~, wherein the transceiver is further configured to receive radio signals on a second carrier frequency,

and the processing unit is configured to perform measurements on the first carrier and on the second carrier using the first pattern and the second pattern, respectively.

7. The wireless device of claim 6, wherein the first carrier frequency is a serving carrier frequency and the second carrier frequency is an inter-frequency carrier frequency, or the first carrier frequency is a primary component carrier and the second carrier frequency is a secondary component carrier in a multi-carrier system, a coordinated multipoint system or in a distributed antenna system

811. The wireless device of any preceding claim~~of claims 1-10~~, wherein the processing unit is further configured

to determine a number of one or more cells for which the measurements are performed in the second type of subframes, and

to report the measurement results for the determined one or more cells.

912. The wireless device of claim 7~~9~~, wherein if a neighbour cell list has been received by the wireless device and the neighbour cell list indicates a first number of cells, a second number of cells indicated in the cell list are measured in the subframes of the second type according to the first pattern.

~~13. The wireless device of claim 12, wherein the second number of cells is measured in the subframes of the first type and the second type according to the first pattern.~~

10~~4~~. The wireless device of claim ~~9~~12, wherein the first and the second number of cells are determined based on a minimum number of cells that may be measured in parallel~~.~~ or

~~15. The wireless device of claim 12, wherein~~ the first and the second number of cells are determined based on at least one of: interference conditions in at least one of the first and second type of subframes, received signal strength or received signal quality in at least one of the first and the second type of subframes.

~~16. The wireless device of claim 11, wherein, if a neighbour cell list has not been received, the number of one or more cells is larger than if the cell list has been received.~~

11~~7~~. The wireless device of claim ~~9~~11, wherein the processing unit is configured to determine the number of one or more cells according to at least one of the following rules:

the number of one or more cells is larger or equal to a minimum number of cells, independent of whether the neighbour cell list has been received; and

the number of one or more cells is smaller or equal to a maximum number, independent of whether the neighbour cell list has been received.

128. The wireless device of any preceding~~of~~ claim~~s 1-17~~, wherein the processing unit is configured to perform measurements according to at least one of the following rules:

a minimum number of cells are measured in each subframe; and

a predetermined number of cells are measured in each subframe of the second type.

139. The wireless device of any preceding~~of~~ claim~~s 1-18~~, wherein the transceiver is further configured to transmit a measurement report including information reflecting at least one of:

(A) that the measurements have been performed in the subframes of the first type according to the first pattern,

(B) that the measurements have been performed in the subframes of the second type according to the first pattern,

(C) that the measurements have been performed both in the subframes of the first type and in the subframes of the second type according to the first pattern,

(D) that not all the measurements have been performed in the subframes of the first type, or

(E) that a minimum number of measurements have been performed in the subframes of the first type.

~~20. The wireless device of any of claims 1-18, wherein the transceiver is further configured to transmit a measurement report including information about signal quality~~

~~in the subframes of the first type and in the subframes of the second type according to the first pattern.~~

~~21. The wireless device of any of claims 1-20, wherein measurements are one or more of mobility measurements, measurements for radio resource management, measurements for radio link monitoring, or measurements for channel state information, timing measurements, positioning measurements, measurement for minimization of drive tests, measurements for self organizing networks, or measurements performed in CONNECTED state.~~

~~22. The wireless device of any of claims 1-21, wherein the wireless device is a user equipment, a relay, a repeater or a measuring node.~~

14~~23~~. A method, performed by a wireless device, for processing radio signals associated with wireless communications, the method comprising:

receiving radio signals on at least a first carrier frequency, said radio signals including information regarding a first pattern associated with the first carrier frequency, the first pattern being a sequence of subframes of a first type and subframes of a second type; and

determining a second pattern, the determination being based on the first pattern and at least one of an indication and a pre-determined rule, which indication or pre-determined rule relates the first pattern to the second pattern,

wherein the first pattern and the second pattern are ~~at least one of a~~ measurement pattern<u>s</u> ~~and a transmit pattern~~.

~~24. The method of claim 23, wherein the first pattern and the second pattern are measurement patterns, and wherein the first type of subframes is restricted subframes and the second type of subframes is unrestricted subframes, the restricted subframes providing a lower interference measurement opportunity for the wireless device relative to the unrestricted subframes.~~

~~25 The method of claim 23, wherein the first pattern and the second pattern are transmit patterns, and wherein the first type of subframes contain restricted signal transmission and the second type of subframes contain unrestricted signal transmission, wherein the restricted signal transmission refers to either not transmitting any signal, transmitting a limited subset of signals or transmitting at low power.~~

~~26. The method of claim 25, wherein the transmit pattern is an ABS pattern.~~

~~27. The method of claim 23-26, further comprising either:~~

~~receiving the indication which relates the first pattern to the second pattern from a configuring network node, or~~

~~determining, by the wireless device, the second pattern based on the pre-determined rule and the first pattern.~~

~~28. The method of any of claims 23-27, wherein~~

~~(A) the indication which relates the first pattern to the second pattern indicates that the first pattern and the second pattern are identical or that the first pattern and the second pattern are different, or~~

~~(B) the indication which relates the first pattern to the second pattern indicates that the first pattern and the second pattern are identical for a predetermined type of measurement, or~~

~~(C) the indication which relates the first pattern to the second pattern indicates that the first pattern and the second pattern have a same one or more characteristics.~~

~~29. The method of claim 28, wherein, if the indication relating the first pattern and the second pattern indicates that the first pattern and the second pattern have the same one or more characteristics, the same one or more characteristics includes at least one of: a reference starting time, a sub-sequence of the subframes of the first type and the subframes of the second type, number of subframes of the first type and subframes of the second type, and/or a periodicity.~~

15~~30~~. A network node (130, 145) comprising:

a processor (134) configured to receive measurement reports from at least one wireless device and further configured to interpret the measurement reports

using knowledge of a first pattern and a second pattern which were used to generate the measurement reports,

wherein the first pattern is associated with a first carrier frequency, the first pattern being a sequence of subframes of a first type and subframes of a second type; and

further wherein the second pattern is~~was determined~~ based on the first pattern and at least one of an indication and a pre-determined rule, which indication or pre-determined rule relates the first pattern to the second pattern,

wherein the first pattern and the second pattern are ~~at least one of a~~ measurement pattern~~s and a transmit pattern~~.

~~31. The network node of claim 30, wherein the first pattern and the second pattern are measurement patterns, and wherein the first type of subframes is restricted subframes and the second type of subframes is unrestricted subframes, the restricted subframes providing a lower interference measurement opportunity for the wireless device relative to the unrestricted subframes.~~

~~32. The network node of claim 30, wherein the first pattern and the second pattern are transmit patterns, and wherein the first type of subframes contain restricted signal transmission and the second type of subframes contain unrestricted signal transmission, wherein the restricted signal transmission refers to either not~~

~~transmitting any signal, transmitting a limited subset of signals or transmitting at a lower power.~~

~~33. The network node of claim 32, wherein the transmit pattern is an ABS pattern.~~

~~34. The network node of any of claims 30-33, wherein the network node is further configured to transmit the indication toward the at least one wireless device and further wherein:~~

~~(A) the indication which relates the first pattern to the second pattern indicates that the first pattern and the second pattern are identical or that the first pattern and the second pattern are different, or~~

~~(B) the indication which relates the first pattern to the second pattern indicates that the first pattern and the second pattern are identical for a predetermined type of measurement, or~~

~~(C) the indication which relates the first pattern to the second pattern indicates that the first pattern and the second pattern have a same one or more characteristics.~~