

Claims

1. A wireless communication device (1) having an upper part (10) and a bottom part (11), the upper part (10) comprising one or more transmission antenna device(s) (12a, 12b; 15) and one or more reception antenna device (13a, 13b, 15), the upper part (10) and the bottom part (11) being arranged movably in relation to each other, so that the bottom part (11), in use mode, is closer to the user than the upper part (10), wherein the bottom part (11) comprises one or more reception antenna device(s) (14a, 14b, 14c, 14d) arranged to receive a polarization orthogonal to the polarization of the one or more reception antenna devices (13a, 13b, 15) of the upper part (10).
2. The wireless communication device (1) as claimed in claim 1, wherein the one or more reception antenna device(s) (13a, 13b, 15; 14a, 14b, 14c, 14d) comprises a microstrip antenna such as a planar inverted F antenna or a rectangular patch antenna.
3. The wireless communication device (1) as claimed in any of the preceding claims, wherein the reception antenna device(s) (13a, 13b, 15; 14a, 14b, 14c, 14d) and the transmission antenna device(s) operate in a cellular communication frequency band.
4. The wireless communication device (1) as claimed in any of the preceding claims, wherein the upper part (10) and the bottom part (11) are pivotally or slidably fastened to each other.

5. The wireless communication device (1) as claimed in any of the preceding claims, wherein the wireless communication device (1) comprises a laptop, a notebook computer, a pocket or a personal computer.
- 5 6. The wireless communication device (1) as claimed in any of the preceding claims, wherein the upper part (10) comprises the lid of a laptop and the bottom part (11) comprises the user input device of the laptop.