

CLAIMS:

We claim:

1. A method adapted for use in a wireless docking environment for docking a first device with a docking station, the method comprising:

5 | detecting that said docking station and the first device are within wireless communication range ~~in the wireless docking environment~~;

 establishing a communication path between the first device and the docking station;

 measuring a received signal characteristic level for a received signal;

 comparing the received signal characteristic level to a determined threshold, wherein
10 | the determined threshold exceeds a minimum signal strength level required for establishing communication between the first device and the docking station; and

 transitioning a state of the first device to a docked state with the docking station at least
| when the received signal characteristic level exceeds the determined threshold.

15 | 2. The method as defined in claim 1, wherein said establishing further includes sending a command between the first device and the docking station to change a transmit power level to a defined transmit power level for at least one of the first device and the docking station.

20 | 3. The method as defined in claim 2 wherein said sending further comprises controlling the transmit power level for the first device and for the docking station to be substantially equal to the defined transmit power level.

25 | 4. The method as defined in claim 1, wherein the determined threshold is related to the received signal characteristic level for a signal transmitted at a transmit power level at a particular distance separating the first device and the docking station, wherein said transmit power level is known by at least one of the first device and the docking station,.

30 | 5. The method as defined in claim 4, wherein the received signal characteristic level is a level selected from at least one of Received Signal Strength Indicator (RSSI), Received Channel Power Indicator (RCPI), Perceived Signal to Noise Indicator (PSNI), and Received Signal to Noise Indicator (RSNI).