WHAT IS CLAIMED IS:

1. A method for determining path loss, applied to user equipment (UE), the UE being a narrowband internet of things (NB-IoT) device, the method comprising:

determining transmission power of a downlink narrowband reference signal (NRS);

determining a measurement value of narrowband reference signal received power (NRSRP); and

under a circumstance that a preset higher layer filter parameter is not received from a base station, determining the path loss between the base station and the NB-IoT device according to the transmission power of the downlink NRS and the measurement value of the NRSRP,

wherein the path loss between the base station and the NB-IoT device is determined by:

PLc = nrs-Power + nrs-PowerOffsetNonAnchor – NRSRP,

wherein PLc is the path loss, nrs-Power is the transmission power of the downlink NRS transmitted by the base station, nrs-PowerOffsetNonAnchor is a non-anchor power offset of the downlink NRS, and the NRSRP is the measurement value of NRSRP, which is practically received power without higher layer filtering, measured by a physical layer of the NB-IoT device, of the downlink NRS.

2. The method of claim 1, wherein determining the path loss between the base station and the NB-IoT device according to the transmission power of the downlink NRS and the measurement value of the NRSRP comprises:

determining the path loss according to a difference between the transmission power of the downlink NRS and the measurement value of the NRSRP.

3. An apparatus for determining path loss, arranged in user equipment (UE), the UE being a narrowband internet of things (NB-IoT) device, the apparatus comprising:

a first determination module, configured to determine transmission power of a downlink narrowband reference signal (NRS);

a second determination module, configured to determine a measurement value of

narrowband reference signal received power (NRSRP); and

a path-loss estimation module, configured to determine, under a circumstance that a preset higher layer filter parameter is not received from a base station, the path loss between the base station and the NB-IoT device according to the transmission power of the downlink NRS and the measurement value of the NRSRP,

wherein the path loss between the base station and the NB-IoT device is determined by:

PLc = nrs-Power + nrs-PowerOffsetNonAnchor – NRSRP,

wherein PLc is the path loss, nrs-Power is the transmission power of the downlink NRS transmitted by the base station, nrs-PowerOffsetNonAnchor is a non-anchor power offset of the downlink NRS, and the NRSRP is the measurement value of NRSRP, which is practically received power without higher layer filtering, measured by a physical layer of the NB-IoT device, of the downlink NRS.

4. The apparatus of claim 3, wherein the path-loss estimation module is configured to determine the path loss according to a difference between the transmission power of the downlink NRS and the measurement value of the NRSRP.

5. A non-transitory computer-readable storage medium, having computer instructions stored thereon that, when executed by a processor, cause the processor to implement the operations of the method of claim 1 or 2.

6. A path loss determination apparatus, comprising:

a processor; and

a memory configured to store instructions executable by the processor,

wherein the processor is configured to:

determine transmission power of a downlink narrowband reference signal (NRS);

determine a measurement value of narrowband reference signal received power (NRSRP); and

under a circumstance that a preset higher layer filter parameter is not received from a base station, determine path loss between the base station and a narrowband internet of things

(NB-IoT) device according to the transmission power of the downlink NRS and the measurement value of the NRSRP,

wherein the path loss between the base station and the NB-IoT device is determined by:

PLc = nrs-Power + nrs-PowerOffsetNonAnchor – NRSRP,

wherein PLc is the path loss, nrs-Power is the transmission power of the downlink NRS transmitted by the base station, nrs-PowerOffsetNonAnchor is a non-anchor power offset of the downlink NRS, and the NRSRP is the measurement value of NRSRP, which is practically received power without higher layer filtering, measured by a physical layer of the NB-IoT device, of the downlink NRS.