WHAT IS CLAIMED IS:

1. A method for operating an electronic device within a cellular environment, the method comprising:

determining a coverage enhancement (CE) parameter and one or more radio frequency (RF) link parameters associated with a link between the electronic device and a cellular base station at a first point in time;

computing a first estimate for a signal condition associated with the link based on the CE parameter and the one or more RF link parameters;

determining that the signal condition is not adequate based on the first estimate; and

delaying transmission of one or more messages from the electronic device over the link until a second point in time that is later than the first point in time.

2. The method of claim 1, further comprising:

determining updated values for the CE parameter and the one or more RF link parameters at the second point in time;

computing a second estimate for the signal condition associated with the link based on the updated values;

determining that the signal condition is adequate based on the second estimate; and

causing the one or more messages to be transmitted from the electronic device over the link.

3. The method of claim 2, further comprising:

during transmission of the one or more messages over the link, computing one or more estimates of a pseudo-coupling loss (PCL) for the link based on one or more additional RF link parameters associated with the link; and

aggregating the one or more estimates of the PCL to generate one or more statistics that characterize the signal condition associated with the link.

4. The method of claim 3, further comprising updating a maximum coupling loss (MCL) for the link based on the one or more statistics.

5. The method of claim 3, wherein the one or more additional RF link parameters comprise at least one of a path loss (PL), a Reference Signal Received Power (RSRP), or a Signal to Interference and Noise Ratio (SINR).

6. The method of claim 1, wherein computing the first estimate for the signal condition associated with the link comprises computing a binary value based on a comparison of the CE parameter with a predetermined CE parameter value.

7. The method of claim 1, wherein computing the first estimate for the signal condition associated with the link comprises computing a binary value based on a comparison of a SINR included in the one or more RF link parameters with a threshold.

8. The method of claim 1, wherein computing the first estimate for the signal condition associated with the link comprises computing a binary value based on a comparison of a Reference Signal Received Quality (RSRQ) included in the one or more RF link parameters to a threshold.

9. The method of claim 1, wherein determining that the signal condition is not adequate comprises at least one of determining that the CE parameter does not match a predetermined CE parameter value, determining that a SINR included in the one or more RF link parameters does not meet a first threshold, or determining that a RSRQ included in the one or more RF link parameters that not meet a second threshold.

10. The method of claim 1, wherein the second point in time is a predetermined period of time after the first point in time.

11. The method of claim 1, wherein delaying the transmission of the one or more messages over the link until the second point in time comprises placing a cellular

modem that is included in the electronic device into a low-power mode until the second point in time.

12. A non-transitory computer readable medium storing instructions that, when executed by a processor, cause the processor to perform the steps of:

determining a coverage enhancement (CE) parameter and one or more radio frequency (RF) link parameters associated with a link between the electronic device and a cellular base station at a first point in time;

computing a first estimate for a signal condition associated with the link based on the CE parameter and the one or more RF link parameters;

determining that the signal condition is not adequate based on the first estimate; and

delaying transmission of one or more messages from the electronic device over the link until a second point in time that is later than the first point in time.

13. The non-transitory computer readable medium of claim 12, wherein the instructions further cause the processor to perform the steps of:

determining updated values for the CE parameter and the one or more RF link parameters at the second point in time;

computing a second estimate for the signal condition associated with the link based on the updated values;

determining that the signal condition is adequate based on the second estimate; and

causing the one or more messages to be transmitted from the electronic device over the link.

14. The non-transitory computer readable medium of claim 12, wherein the instructions further cause the processor to perform the steps of:

computing one or more estimates of a pseudo-coupling loss (PCL) for the link based on one or more additional RF link parameters associated with the link;

aggregating the one or more estimates of the PCL to generate one or more statistics that characterize the signal condition associated with the link; and

updating a maximum coupling loss (MCL) for the link based on the one or more statistics.

15. The non-transitory computer readable medium of claim 14, wherein the one or more additional RF link parameters comprise at least one of a path loss (PL), a Reference Signal Received Power (RSRP), or a Signal to Interference and Noise Ratio (SINR).

16. The non-transitory computer readable medium of claim 12, wherein computing the first estimate for the signal condition associated with the link comprises:

computing a first binary value based on a first comparison of the CE parameter with a predetermined CE parameter value;

computing a second binary value based on a second comparison of a SINR included in the one or more RF link parameters to a threshold; and

computing a third binary value based on a third comparison of a Reference Signal Received Quality (RSRQ) included in the one or more RF link parameters to a threshold.

17. The non-transitory computer readable medium of claim 16, wherein computing the first estimate for the signal condition associated with the link further comprises applying one or more logical operators to the first binary value, the second binary value, and the third binary value to generate the first estimate for the signal condition.

18. The non-transitory computer readable medium of claim 16, wherein computing the first estimate for the signal condition associated with the link further comprises:

computing a first logical conjunction of the first binary value and the second binary value; and

computing a second logical conjunction of the second binary value and the third binary value.

19. The non-transitory computer readable medium of claim 12, wherein delaying the transmission of the one or more messages over the link until the second point in time comprises placing a cellular modem that is included in the electronic device into a low-power mode until the second point in time.

20. A system, comprising:

a memory that stores instructions, and

a processor that is coupled to the memory and, when executing the instructions, is configured to:

determine a coverage enhancement (CE) parameter and one or more radio frequency (RF) link parameters associated with a link between the electronic device and a cellular base station at a first point in time;

compute a first estimate for a signal condition associated with the link based on the CE parameter and the one or more RF link parameters;

determine that the signal condition is not adequate based on the first estimate; and

delay transmission of one or more messages from the electronic device over the link until a second point in time that is later than the first point in time.

WHAT IS CLAIMED IS:

1. A method comprising:

determining, by an electronic device, a coverage enhancement (CE) parameter and one or more radio frequency (RF) link parameters associated with a link between the electronic device and a cellular base station at a first point in time;

computing, by the electronic device, one or more values corresponding to a first estimate for a signal condition associated with the link based on the CE parameter and at least one of:

a first comparison of a SINR included in the one or more RF link parameters to a first threshold; or

a second comparison of a Reference Signal Received Quality (RSRQ) included in the one or more RF link parameters to a second threshold;

determining, by the electronic device, that the signal condition is not adequate based on the first estimate; and

delaying, by the electronic device, transmission of one or more messages from the electronic device over the link until a second point in time that is later than the first point in time.

2. The method of claim 1, further comprising:

determining, by the electronic device, updated values for the CE parameter and the one or more RF link parameters at the second point in time;

computing, by the electronic device, a second estimate for the signal condition associated with the link based on the updated values;

determining, by the electronic device, that the signal condition is adequate based on the second estimate; and

causing, by the electronic device, the one or more messages to be transmitted from the electronic device over the link.

3. The method of claim 2, further comprising:

during transmission of the one or more messages over the link, computing, by the electronic device, one or more estimates of a pseudo-coupling loss (PCL) for the link based on one or more additional RF link parameters associated with the link; and

aggregating, by the electronic device, the one or more estimates of the PCL to generate one or more statistics that characterize the signal condition associated with the link.

4. The method of claim 3, further comprising updating, by the electronic device, a maximum coupling loss (MCL) for the link based on the one or more statistics.

5. The method of claim 3, wherein the one or more additional RF link parameters comprise at least one of a path loss (PL), a Reference Signal Received Power (RSRP), or a Signal to Interference and Noise Ratio (SINR).

6. The method of claim 1, wherein computing the one or more values corresponding to the first estimate for the signal condition associated with the link comprises computing a value based on a comparison of the CE parameter with a predetermined CE parameter value.

7. The method of claim 1, wherein computing the one or more values corresponding to the first estimate for the signal condition associated with the link comprises computing a value based on a third comparison of the SINR with a third threshold.

8. The method of claim 1, wherein computing the one or more values corresponding to the first estimate for the signal condition associated with the link comprises computing a value based on a third comparison of the RSRQ to a third threshold.

9. The method of claim 1, wherein determining that the signal condition is not adequate comprises at least one of determining that the CE parameter does not match a predetermined CE parameter value, determining that the SINR does not meet the first threshold, or determining that the RSRQ does not meet the second threshold.

10. The method of claim 1, wherein the second point in time is a predetermined period of time after the first point in time.

11. The method of claim 1, wherein delaying the transmission of the one or more messages over the link until the second point in time comprises placing a cellular modem that is included in the electronic device into a low-power mode until the second point in time.

12. A non-transitory computer readable medium storing instructions that, when executed by a processor of an electronic device, cause the processor to perform the steps of:

determining a coverage enhancement (CE) parameter and one or more radio frequency (RF) link parameters associated with a link between the electronic device and a cellular base station at a first point in time;

computing one or more values corresponding to a first estimate for a signal condition associated with the link based on the CE parameter and at least one of:

a first comparison of a SINR included in the one or more RF link parameters to a first threshold; or

a second comparison of a Reference Signal Received Quality (RSRQ) included in the one or more RF link parameters to a second threshold;

determining that the signal condition is not adequate based on the first estimate; and

delaying transmission of one or more messages from the electronic device over the link until a second point in time that is later than the first point in time.

13. The non-transitory computer readable medium of claim 12, wherein the instructions further cause the processor to perform the steps of:

determining updated values for the CE parameter and the one or more RF link parameters at the second point in time;

computing a second estimate for the signal condition associated with the link based on the updated values;

determining that the signal condition is adequate based on the second estimate; and

causing the one or more messages to be transmitted from the electronic device over the link.

14. The non-transitory computer readable medium of claim 12, wherein the instructions further cause the processor to perform the steps of:

computing one or more estimates of a pseudo-coupling loss (PCL) for the link based on one or more additional RF link parameters associated with the link;

aggregating the one or more estimates of the PCL to generate one or more statistics that characterize the signal condition associated with the link; and

updating a maximum coupling loss (MCL) for the link based on the one or more statistics.

15. The non-transitory computer readable medium of claim 12, wherein computing the one or more values corresponding to the first estimate for the signal condition associated with the link comprises:

computing a first binary value based on a third comparison of the CE parameter with a predetermined CE parameter value;

computing a second binary value based on the first comparison of the SINR to the first threshold; and

computing a third binary value based on the second comparison of the RSRQ to the second threshold.

16. The non-transitory computer readable medium of claim 15, wherein computing the one or more values corresponding to the first estimate for the signal condition associated with the link further comprises applying one or more logical operators to the

first binary value, the second binary value, and the third binary value to generate the first estimate for the signal condition.

17. The non-transitory computer readable medium of claim 15, wherein computing the one or more values corresponding to the first estimate for the signal condition associated with the link further comprises:

computing a first logical conjunction of the first binary value and the second binary value; and

computing a second logical conjunction of the second binary value and the third binary value.

18. The non-transitory computer readable medium of claim 12, wherein delaying the transmission of the one or more messages over the link until the second point in time comprises placing a cellular modem that is included in the electronic device into a low-power mode until the second point in time.

19. An electronic device, comprising:

a processor; and

a memory storing instructions that when executed by the processor cause the electronic device to perform operations comprising:

determine a coverage enhancement (CE) parameter and one or more radio frequency (RF) link parameters associated with a link between the electronic device and a cellular base station at a first point in time;

compute one or more values corresponding to a first estimate for a signal condition associated with the link based on the CE parameter and at least one of:

a first comparison of a SINR included in the one or more RF link parameters to a first threshold; or

a second comparison of a Reference Signal Received Quality (RSRQ) included in the one or more RF link parameters to a second threshold;

determine that the signal condition is not adequate based on the first estimate; and

delay transmission of one or more messages from the electronic device over the link until a second point in time that is later than the first point in time.

20. The non-transitory computer readable medium of claim 12, wherein the CE parameter comprises a CE mode employed by the electronic device.