## **Generation Analysis**

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Q: What are the measurement tools and criteria for evaluating the product?

A: After getting the system partially working, we've recognized that there are two things we can use to evaluate how the system is doing during operation. The first thing would be the RSSI, or the received signal strength indication. One of the functions we can call in the Bluetooth repository would give us the RSSI at the time pf each ping. Another way we can see how the system is doing is a feature built into the ping function. This feature gives us not only a sent and received packet count, but a percentage of lost packets. We believe that with these two features, we can accurately measure how well the node system is transmitting not only before the jam, but during and after as well.

Q: What are the decision criteria for product assessment?

A: For the first main goal, we would like to know if there is a jam on the system, and where. We would be able to figure out if there is a jam from the nodes not being jammed. If node 2 were to be jammed, nodes 1 & 3 would be aware of the situation and would both ping the base station that there is a jam in node 2. For our secondary 'if we get to it' goal, we would be deciding the success on a complete system reconnect after the jam were to cause the system to hop frequencies and how long the transition takes.