

Number of Units in Operation at a Time

The number of units in operation at a time will increase as the product development cycle progresses.

- During the preprototype phase of the development cycle the number of devices in operation will be less than 20 units.
- Once first prototypes become available, the number of devices operating will increase to approximately 40 units.
- As the second and third generation prototypes become available and more of the supporting devices are developed, the number of devices operating will increase to approximately 80 units.

These numbers apply during the working hours of a standard workweek. Outside of these hours, the units in operation at a time will be reduced by a significant fraction and at many times will be zero.

It should be noted that all equipment units would be used indoors on our campus. In many circumstances, the transceivers will be directly connected to one another using coaxial cabling and fixed attenuators. In addition, there are many circumstances where the transceiver will communicate inside a shielded box to limit potential interference with other tests. We are also planning to build a semi-anechoic chamber on site to accomplish some testing. This will decrease the number of devices that will be measurably transmitting in air at a time by at least a factor of 2 for the values given above.