

| Distance (ft) | local | remote | sent | recieved | Tx Error | Packets Lost | percentage                    | other variables |
|---------------|-------|--------|------|----------|----------|--------------|-------------------------------|-----------------|
| 30            | -65   | -63    | 15   | 15       | 0        | 0            | 100                           | Sunny, Windy    |
|               | -67   | -64    | 15   | 15       | 0        | 0            | 100                           | Sunny/windy     |
|               | -65   | -65    | 15   | 15       | 0        | 0            | 100                           | Sunny/windy     |
| 60            | -75   | -71    | 15   | 15       | 0        | 0            | 100                           | Sunny, Windy    |
|               | -82   | -79    | 15   | 15       | 0        | 0            | 100                           | Sunny/windy     |
|               | -75   | -71    | 15   | 15       | 0        | 0            | 100                           | Sunny/windy     |
| 90            | -80   | -78    | 15   | 15       | 0        | 0            | 100                           | Sunny, Windy    |
|               | -80   | -77    | 15   | 15       | 0        | 0            | 100                           | Sunny/windy     |
|               | -82   | -78    | 15   | 15       | 0        | 0            | 100                           | Sunny/windy     |
| 120           | -82   | -79    | 15   | 15       | 0        | 0            | 100                           | Sunny, Windy    |
|               | -83   | -86    | 15   | 15       | 0        | 0            | 100                           | Sunny/windy     |
|               | -86   | -87    | 15   | 14       | 0        | 1            | 93.33                         | Sunny/windy     |
| 150           | -92   | -92    | 15   | 15       | 0        | 0            | 100                           | Sunny, Windy    |
|               | -9    | -92    | 15   | 15       | 0        | 0            | 100                           | Sunny/windy     |
|               | -9    | -90    | 15   | 15       | 0        | 0            | 100                           | Sunny/windy     |
| 180           | -10   | -91    | 16   | 14       | 1        | 0            | 93.33                         | Sunny, Windy    |
|               | -89   | -88    | 15   | 15       | 0        | 0            | 100                           | Sunny/windy     |
|               | -89   | -86    | 15   | 15       | 0        | 0            | 100                           | Sunny/windy     |
| 210           | -10   | -93    | 15   | 12       | 2        | 1            | 80                            | Sunny, Windy    |
|               | -10   | -86    | 15   | 15       | 0        | 0            | 100                           | Sunny/windy     |
|               | -10   | -90    | 16   | 13       | 2        | 0            | 86.67                         | Sunny/windy     |
| 240           | -95   | -93    | 16   | 7        | 8        | 0            | 46.67                         | Sunny, Windy    |
|               | -94   | -94    | 16   | 4        | 11       | 0            | 26.67                         | Sunny/windy     |
| (a)           | 0     | 0      | 15   | 0        | 15       | 0            | 0 (DIDNT RECEIVE ANY PACKETS) |                 |
| (b)           | -9    | -92    | 16   | 7        | 8        | 0            | 46.67                         | Sunny/windy     |
| 270           | -93   | -92    | 15   | 13       | 2        | 0            | 86.67                         | Sunny, Windy    |
|               | -94   | -93    | 16   | 14       | 1        | 0            | 93.33                         | Sunny/windy     |
|               | -9    | -94    | 16   | 8        | 6        | 1            | 53.33                         | Sunny/windy     |
| 300           | -9    | -89    | 15   | 15       | 0        | 0            | 100                           | Sunny, Windy    |
|               | -9    | -88    | 15   | 15       | 0        | 0            | 100                           | Sunny/windy     |
|               | -9    | -89    | 15   | 15       | 0        | 0            | 100                           | Sunny/windy     |
| 330           | -9    | -93    | 15   | 15       | 0        | 0            | 100                           | Sunny, Windy    |
|               | -9    | -89    | 15   | 15       | 0        | 0            | 100                           | Sunny/windy     |
|               | -91   | -90    | 15   | 11       | 4        | 0            | 73.33                         | Sunny/windy     |
| 360           | -12   | -89    | 16   | 5        | 10       | 0            | 33.33                         | Sunny, Windy    |
|               | -12   | -91    | 15   | 15       | 0        | 0            | 100                           | Sunny/windy     |
|               | -12   | -89    | 15   | 15       | 0        | 0            | 100                           | Sunny/windy     |
| 390           | -9    | -91    | 15   | 15       | 0        | 0            | 100                           | Sunny, Windy    |
|               | -10   | -87    | 15   | 15       | 0        | 0            | 100                           | Sunny/windy     |
|               | -10   | -91    | 15   | 15       | 0        | 0            | 100                           | Sunny/windy     |

| Distance (ft) | local | remote | sent | recieved | Tx Error | Packets Lost | percentage | other variables                                  |
|---------------|-------|--------|------|----------|----------|--------------|------------|--|
| 4th-3rd       | -58   | -59    | 15   | 15       | 0        | 0            | 100        | WINDY, placed under bench                        |
|               | -63   | -63    | 15   | 15       | 0        | 0            | 100        | WINDY, placed under bench                        |
|               | -62   | -63    | 15   | 15       | 0        | 0            | 100        | WINDY, placed under bench                        |
| 4th-2nd       | -43   | -90    | 15   | 13       | 2        | 0            | 86.7       | not too windy compared to 3rd floor, under bench |
|               | -42   | -87    | 15   | 15       | 0        | 0            | 100        | not too windy compared to 3rd floor, under bench |
|               | -87   | -87    | 16   | 12       | 3        | 0            | 80         | not too windy compared to 3rd floor, under bench |
| 4th-1st       | -78   | -86    | 15   | 15       | 0        | 0            | 100        | less wind, less obstacles                        |
|               | -80   | -80    | 15   | 15       | 0        | 0            | 100        | less wind, less obstacles                        |
|               | -81   | -78    | 15   | 15       | 0        | 0            | 100        | less wind, less obstacles                        |
| Distance (ft) | local | remote | sent | recieved | Tx Error | Packets Lost | percentage | other variables                                  |
| 90            |       |        |      |          |          |              |            |  |
| Trial 1       | -81   | -79    | 15   | 15       | 0        | 0            | 100        | Sunny, little wind                               |
| Trial 2       | -82   | -79    | 15   | 15       | 0        | 0            | 100        | Sunny, little wind                               |
| Trial 3       | -81   | -79    | 15   | 15       | 0        | 0            | 100        | Sunny, little wind                               |
| 175           |       |        |      |          |          |              |            |  |
| Trial 1       | -72   | -69    | 15   | 15       | 0        | 0            | 100        | Sunny, little wind                               |
| Trial 2       | -91   | -89    | 15   | 15       | 0        | 0            | 100        | Sunny, little wind                               |
| Trial 3       | -91   | -88    | 15   | 13       | 0        | 2            | 86.67      | Sunny, little wind                               |
| 244           |       |        |      |          |          |              |            |  |
| Trial 1       | -91   | -90    | 15   | 15       | 0        | 0            | 100        | Sunny, little wind                               |
| Trial 2       | -90   | -89    | 15   | 15       | 0        | 0            | 100        | Sunny, little wind                               |
| Trial 3       | -91   | -90    | 15   | 15       | 0        | 0            | 100        | Sunny, little wind                               |
| 324           |       |        |      |          |          |              |            |  |
| Trial 1       | -93   | -93    | 15   | 7        | 8        | 0            | 47.67      | Students in front 1st tree                       |
| Trial 2       | -94   | -93    | 15   | 6        | 9        | 0            | 40         | Crowd people walking/passing by                  |
| Trial 3       | -94   | -110   | 15   | 3        | 12       | 0            | 20         | Crowd people walking/passing by                  |
| 403           |       |        |      |          |          |              |            |  |
| Trial 1       | -6    | -94    | 15   | 3        | 11       | 1            | 20         |  |
| Trial 2       | -6    | -110   | 15   | 1        | 14       | 0            | 6.67       |  |
| Trial 3       | 0     | 0      | 15   | 0        | 15       | 0            | 0          |  |
| 477           |       |        |      |          |          |              |            |  |
| Trial 1       | 0     | 0      | 15   | 0        | 15       | 0            | 0          |  |
| Trial 2       | 0     | 0      | 15   | 0        | 15       | 0            | 0          |  |
| Trial 3       | 0     | 0      | 15   | 0        | 15       | 0            | 0          |  |