
```

load UAVData.txt;
[n,p] = size(UAVData)
t = 1:n;
UAVPlot0 = UAVData(:, 1:4)
figure(1)
plot(t,UAVPlot0)
axis([0 30 0 1500]);
legend('Host -35dB','Host -50dB','Host -65dB','Host -80dB')
xlabel('Trial'), ylabel('Transmission Time(ms)');
set(gcf,'color','w');
title('Remote Device -35dB with Varying Host Device Signal');

%%[n,p] = size(UAVData)
t = 1:n;
UAVPlot1 = UAVData(:, 5:8);
figure(2)
plot(t,UAVPlot1)
axis([0 30 0 2000]);
legend('Remote -35dB','Remote -50dB','Remote -65dB','Remote -80dB')
xlabel('Trial'), ylabel('Transmission Time(ms)');
set(gcf,'color','w');
title('Host Device -35dB with Varying Remote Device Signal');

%%[n,p] = size(UAVData)
t = 1:n;
UAVPlot2 = UAVData(:, 1:1);
figure(3)
plot(t,UAVPlot2,'b')
axis([0 30 0 1200]);
xlabel('Trial'), ylabel('Transmission Time(ms)');
set(gcf,'color','w');
title('Host Device -35dB and Remote Device -35dB');

%%[n,p] = size(UAVData)
t = 1:n;
UAVPlot3 = UAVData(:, 2:2);
figure(4)
plot(t,UAVPlot3,'g')
axis([0 30 0 1200]);
xlabel('Trial'), ylabel('Transmission Time(ms)');
set(gcf,'color','w');
title('Host Device -50dB and Remote Device -35dB');

%%[n,p] = size(UAVData)
t = 1:n;
UAVPlot4 = UAVData(:, 3:3);
figure(5)
plot(t,UAVPlot4,'r')
axis([0 30 0 1200]);
xlabel('Trial'), ylabel('Transmission Time(ms)');
set(gcf,'color','w');
title('Host Device -65dB and Remote Device -35dB');

```

```

%%[n,p] = size(UAVData)
t = 1:n;
UAVPlot5 = UAVData(:, 4:4);
figure(6)
plot(t,UAVPlot5,'c')
axis([0 30 0 1200]);
xlabel('Trial'), ylabel('Transmission Time(ms)');
set(gcf,'color','w');
title('Host Device -80dB and Remote Device -35dB');

%%[n,p] = size(UAVData)
t = 1:n;
UAVPlot6 = UAVData(:, 6:6);
figure(7)
plot(t,UAVPlot6,'g')
axis([0 30 0 1200]);
xlabel('Trial'), ylabel('Transmission Time(ms)');
set(gcf,'color','w');
title('Host Device -35dB and Remote Device -50dB');

%%[n,p] = size(UAVData)
t = 1:n;
UAVPlot4 = UAVData(:, 7:7);
figure(8)
plot(t,UAVPlot4,'r')
axis([0 30 0 1200]);
xlabel('Trial'), ylabel('Transmission Time(ms)');
set(gcf,'color','w');
title('Host Device -35dB and Remote Device -65dB');

%%[n,p] = size(UAVData)
t = 1:n;
UAVPlot5 = UAVData(:, 8:8);
figure(9)
plot(t,UAVPlot5,'c')
axis([0 30 0 1400]);
xlabel('Trial'), ylabel('Transmission Time(ms)');
set(gcf,'color','w');
title('Host Device -35dB and Remote Device -80dB');

```

$n =$

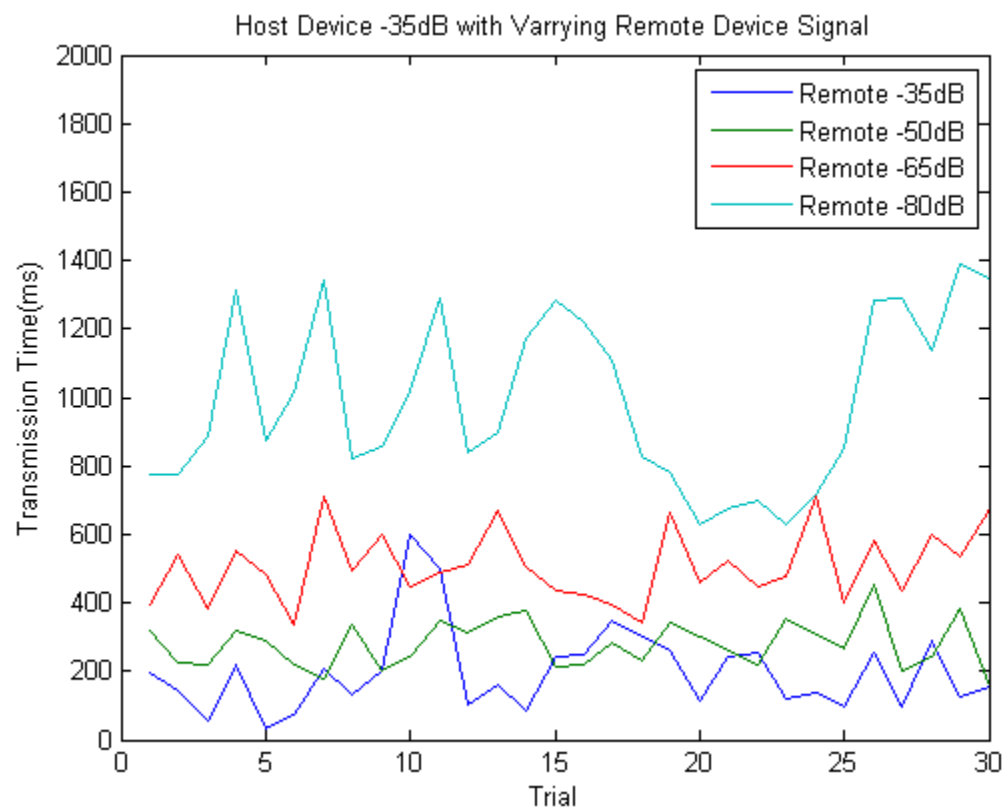
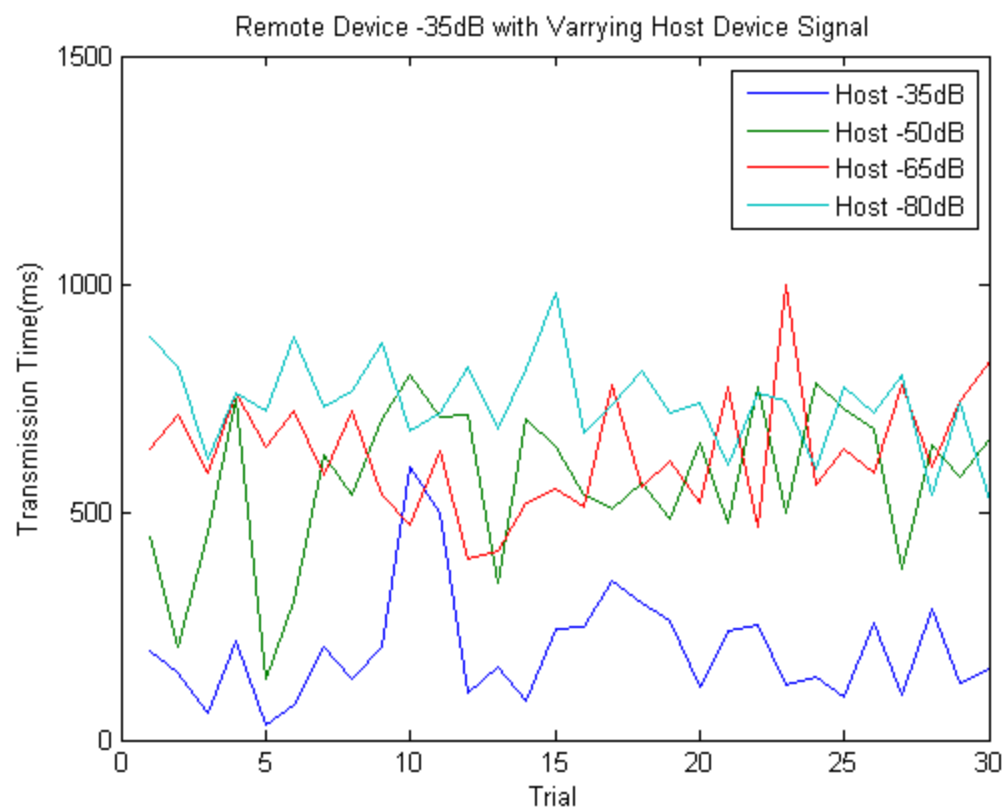
30

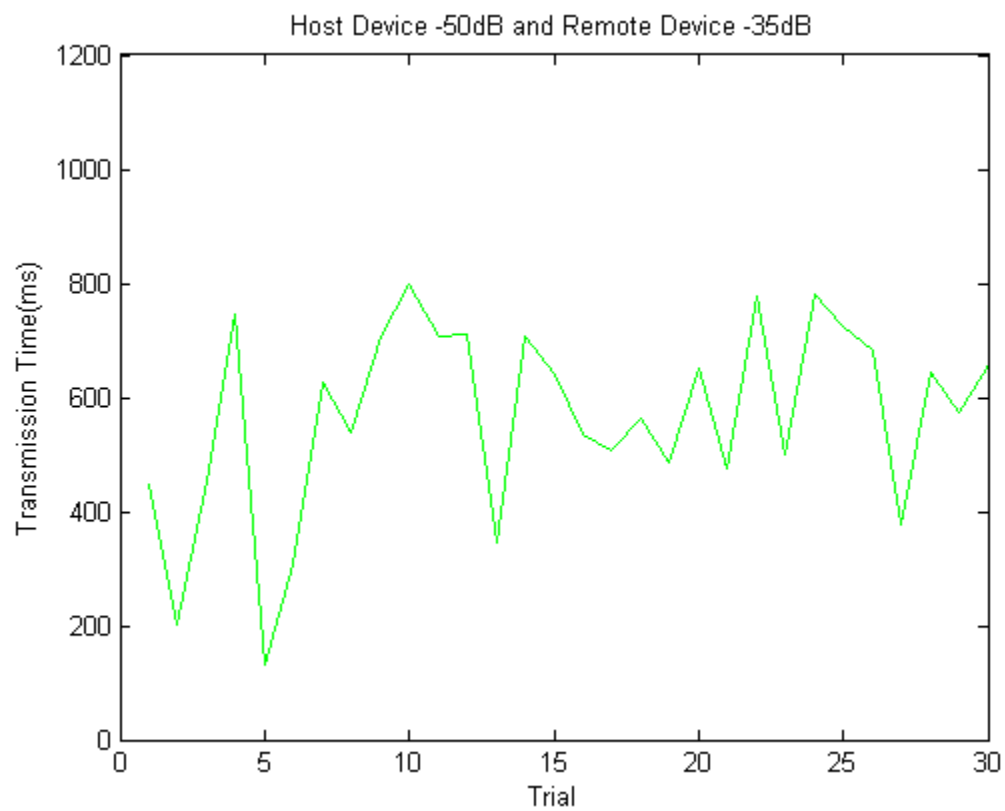
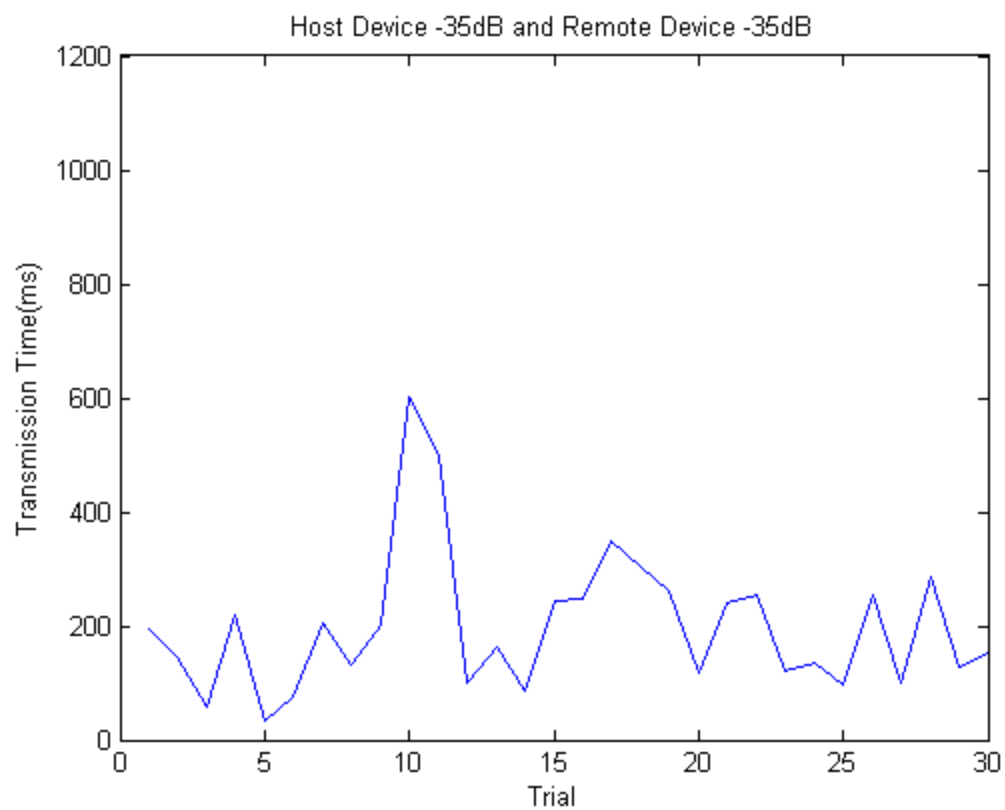
$p =$

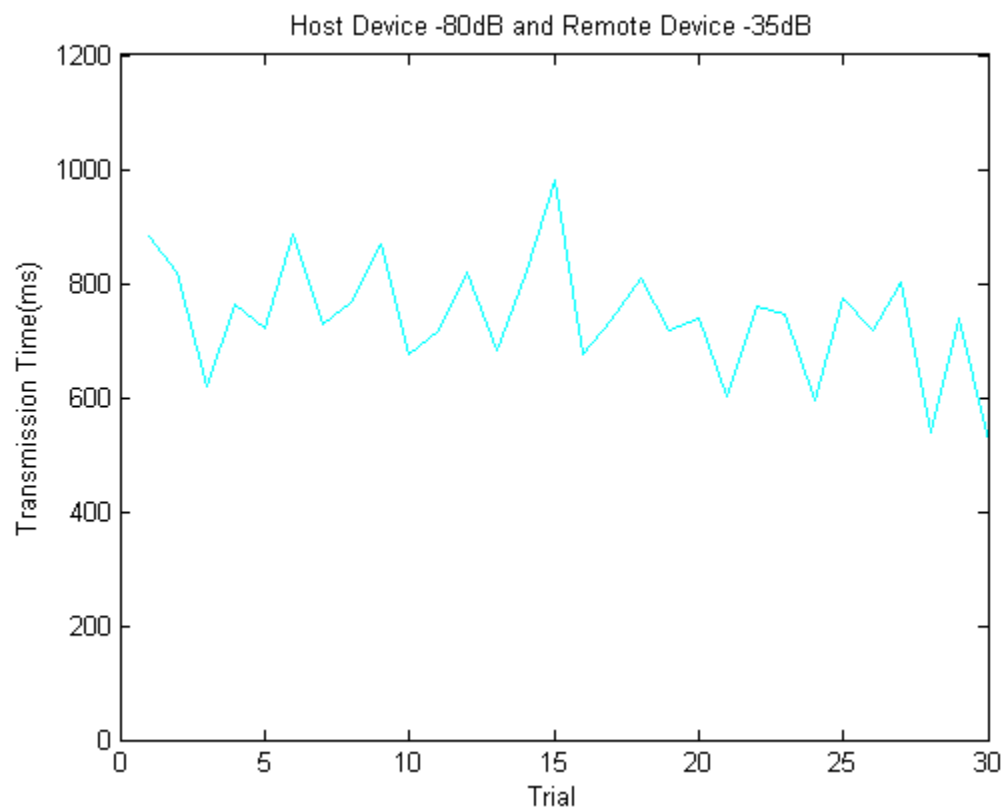
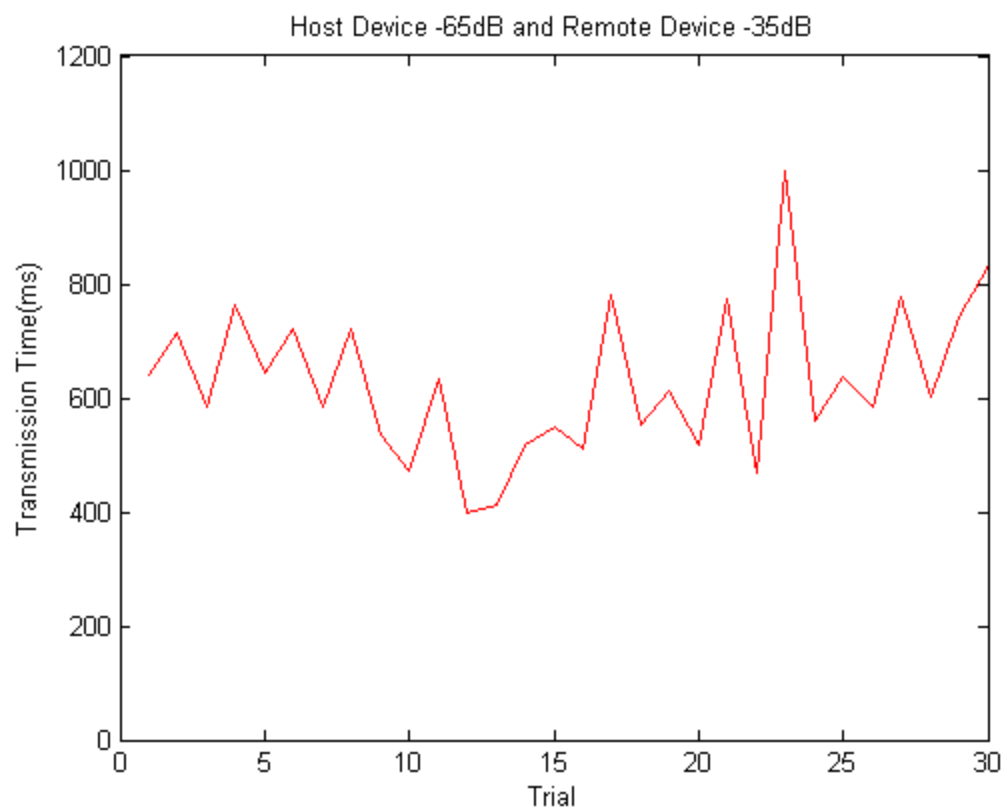
8

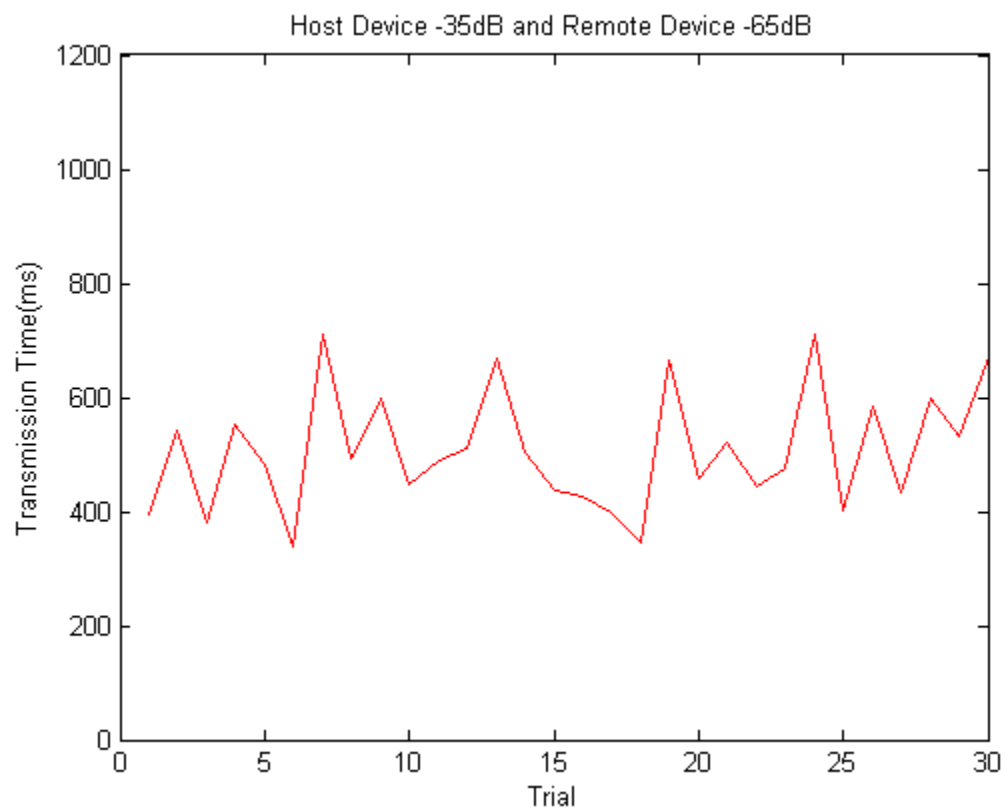
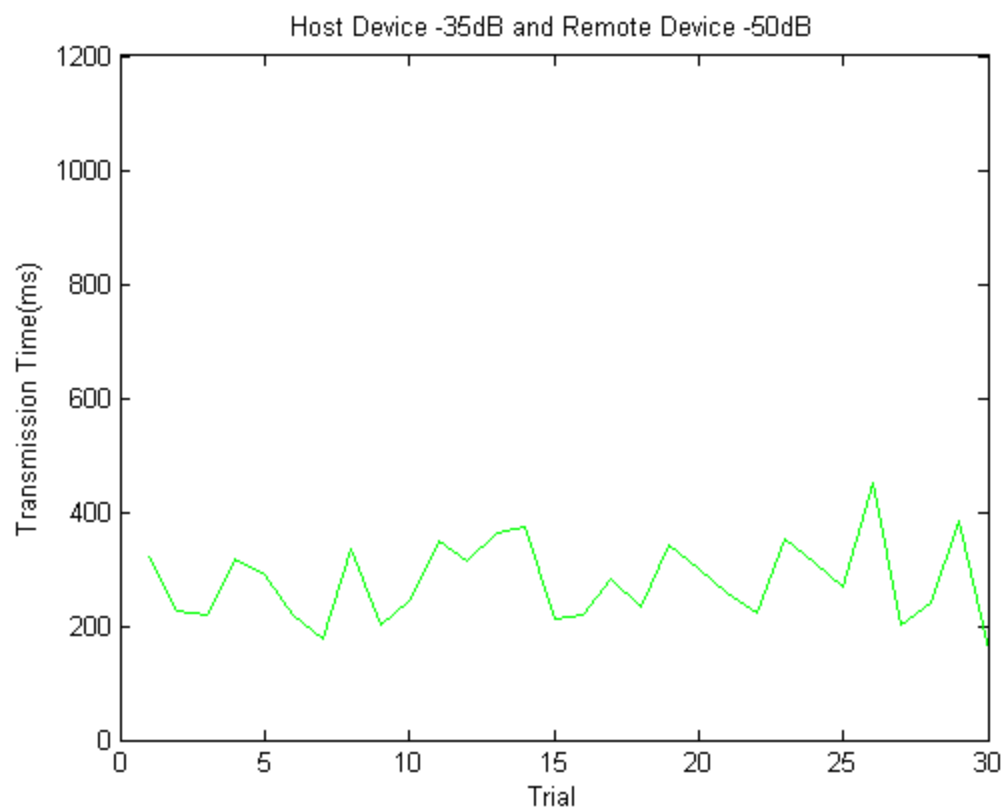
$UAVPlot0 =$

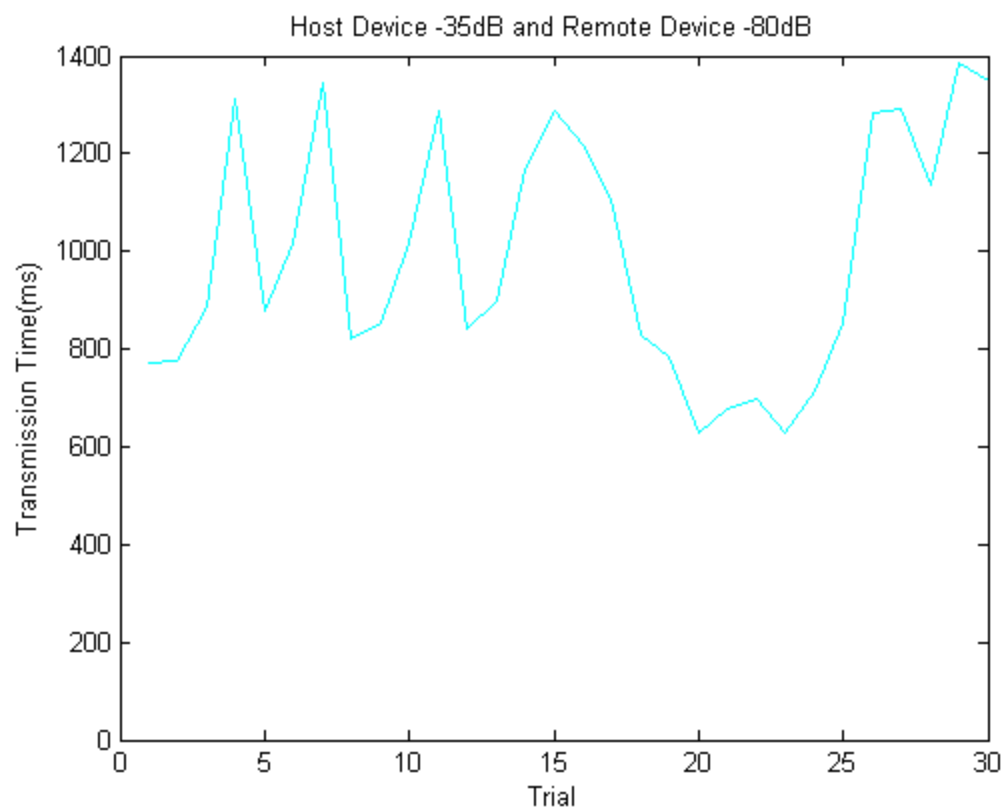
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|-----|-----|-----|-----|
| 196 | 447 | 640 | 883 |
| 145 | 202 | 713 | 819 |
| 58 | 454 | 585 | 618 |
| 218 | 746 | 762 | 762 |
| 32 | 133 | 643 | 721 |
| 76 | 307 | 721 | 885 |
| 205 | 626 | 583 | 729 |
| 133 | 539 | 722 | 765 |
| 202 | 706 | 536 | 870 |
| 600 | 799 | 473 | 676 |
| 500 | 708 | 635 | 719 |
| 101 | 712 | 399 | 820 |
| 162 | 344 | 413 | 683 |
| 85 | 706 | 518 | 814 |
| 244 | 641 | 549 | 981 |
| 249 | 536 | 512 | 674 |
| 349 | 508 | 780 | 734 |
| 302 | 564 | 554 | 810 |
| 261 | 485 | 612 | 718 |
| 116 | 651 | 518 | 740 |
| 240 | 474 | 773 | 601 |
| 254 | 776 | 468 | 761 |
| 122 | 500 | 997 | 745 |
| 136 | 781 | 559 | 594 |
| 96 | 726 | 637 | 774 |
| 256 | 681 | 584 | 718 |
| 99 | 377 | 777 | 801 |
| 287 | 645 | 600 | 537 |
| 127 | 575 | 743 | 738 |
| 154 | 659 | 833 | 522 |











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