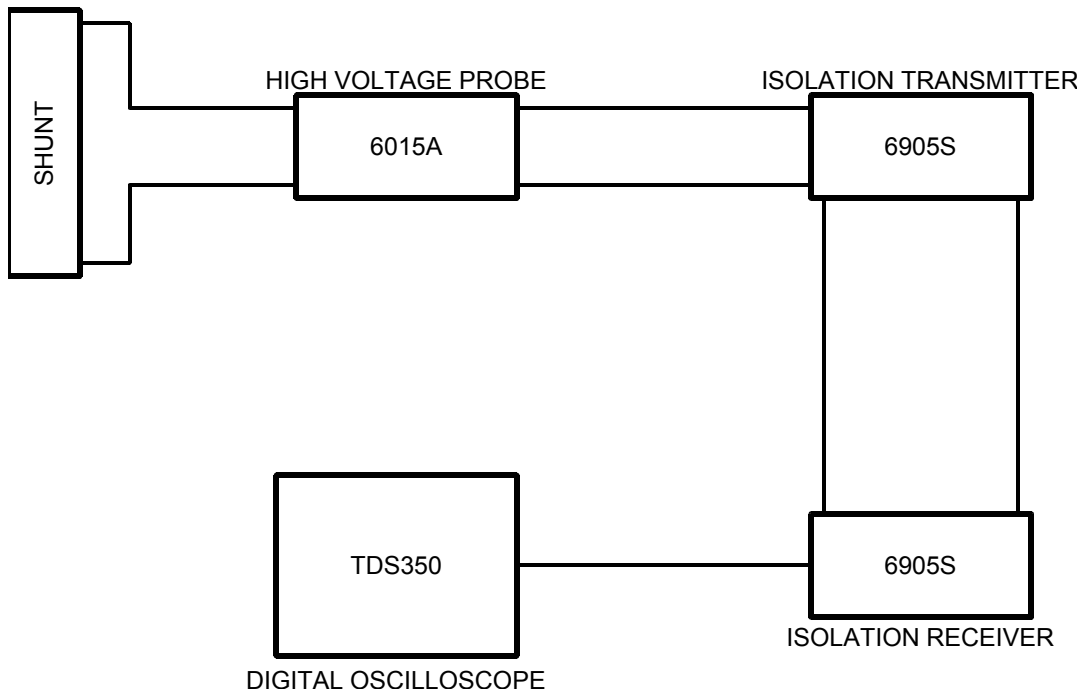


| Terminal | Temp °f | Relative Humidity | Absolute Humidity | Electric Field Kv/m |
|----------|---------|-------------------|-------------------|---------------------|
| SHARP | 77 | 54 | 12.89 | 10.2 |
| BLUNT | 77 | 54 | 12.89 | 10.2 |
| SHARP | 75 | 64 | 14.37 | 10.2 |
| BLUNT | 73 | 64 | 13.42 | 10.2 |
| SHARP | 76 | 61 | 14.11 | 10.2 |
| BLUNT | 76 | 63 | 13.57 | 10.2 |
| SHARP | 77 | 54 | 12.90 | 10.2 |
| BLUNT | 79 | 55 | 14.01 | 10.2 |

The above tests were performed in intervals of 25 in sequential order. The terminal was located 2.032 meters from the grid. The current wave form was measured through a shunt that was placed in series with the air terminal (see setup below), The 10 amp trigger was sensed by a current probe on the ground wire leaving the air terminal.

TEXTRONIX EQUIPMENT SETUP



Initiation time in nanoseconds

| Strike | Blunt | Sharp |
|--------|-------|-------|
| 1 | 744 | 748 |
| 2 | 736 | 764 |
| 3 | 752 | 764 |
| 4 | 732 | 782 |
| 5 | 754 | 772 |
| 6 | 674 | 738 |
| 7 | 764 | 756 |
| 8 | 752 | 784 |
| 9 | 724 | 768 |
| 10 | 748 | 752 |
| 11 | 754 | 764 |
| 12 | 766 | 752 |
| 13 | 754 | 766 |
| 14 | 758 | 776 |
| 15 | 754 | 778 |
| 16 | 724 | 794 |
| 17 | 700 | 764 |
| 18 | 706 | 754 |
| 19 | 766 | 766 |
| 20 | 746 | 746 |
| 21 | 690 | 754 |
| 22 | 770 | 742 |
| 23 | 782 | 772 |
| 24 | 766 | 760 |
| 25 | 684 | 766 |
| 26 | 764 | 792 |
| 27 | 746 | 752 |
| 28 | 730 | 746 |
| 29 | 732 | 754 |
| 30 | 742 | 750 |
| 31 | 768 | 742 |
| 32 | 760 | 746 |
| 33 | 752 | 722 |
| 34 | 744 | 736 |
| 35 | 756 | 758 |
| 36 | 736 | 740 |
| 37 | 768 | 750 |
| 38 | 782 | 730 |
| 39 | 730 | 752 |
| 40 | 764 | 740 |
| 41 | 774 | 742 |
| 42 | 778 | 744 |
| 43 | 748 | 728 |
| 44 | 724 | 744 |
| 45 | 764 | 748 |
| 46 | 794 | 768 |
| 47 | 744 | 734 |
| 48 | 696 | 762 |
| 49 | 746 | 736 |
| 50 | 780 | 758 |

Initiation time in nanoseconds

| Strike | Blunt | Sharp |
|--------|-------|-------|
| 51 | 762 | 744 |
| 52 | 740 | 748 |
| 53 | 752 | 774 |
| 54 | 740 | 768 |
| 55 | 794 | 742 |
| 56 | 698 | 774 |
| 57 | 748 | 726 |
| 58 | 794 | 754 |
| 59 | 740 | 744 |
| 60 | 782 | 726 |
| 61 | 744 | 736 |
| 62 | 742 | 734 |
| 63 | 708 | 730 |
| 64 | 762 | 748 |
| 65 | 710 | 756 |
| 66 | 782 | 760 |
| 67 | 798 | 730 |
| 68 | 784 | 768 |
| 69 | 746 | 750 |
| 70 | 766 | 724 |
| 71 | 764 | 750 |
| 72 | 770 | 746 |
| 73 | 796 | 754 |
| 74 | 754 | 740 |
| 75 | 744 | 766 |
| 76 | 764 | 738 |
| 77 | 750 | 750 |
| 78 | 720 | 758 |
| 79 | 734 | 752 |
| 80 | 758 | 766 |
| 81 | 744 | 758 |
| 82 | 708 | 756 |
| 83 | 750 | 750 |
| 84 | 762 | 752 |
| 85 | 756 | 776 |
| 86 | 782 | 762 |
| 87 | 768 | 706 |
| 88 | 742 | 754 |
| 89 | 710 | 752 |
| 90 | 766 | 738 |
| 91 | 724 | 740 |
| 92 | 778 | 748 |
| 93 | 746 | 754 |
| 94 | 734 | 758 |
| 95 | 742 | 732 |
| 96 | 786 | 768 |
| 97 | 792 | 748 |
| 98 | 752 | 734 |
| 99 | 778 | 760 |
| 100 | 660 | 740 |

| | | |
|--------|--------|--------|
| Mean | 751.62 | 752.06 |
| Median | 787 | 750 |
| Mode | 744 | 748 |