

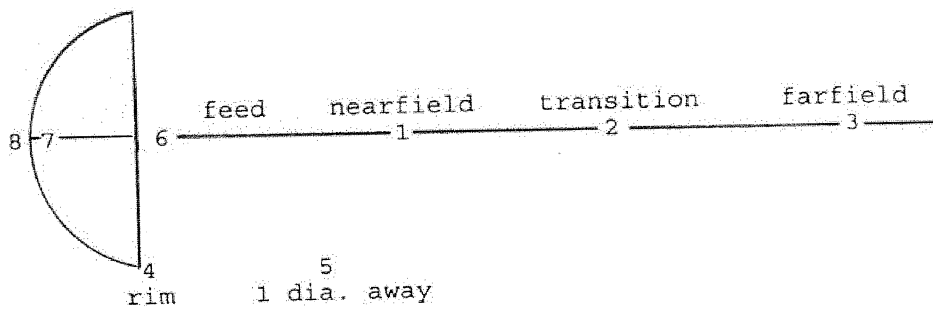
----- COMTECH OFFSAT ANTENNA DATA -----

| | |
|------------------------|----------------------------------|
| ANTENNA SIZE | 8-FOOT BY 18-FOOT COMTECH OFFSAT |
| REFLECTOR FOCAL LENGTH | 75.78 INCHES |
| FREQUENCY | 6 GHZ |
| INPUT POWER | 400 WATTS CW |
| ANTENNA EFFICIENCY | 60 % |
| FEED GAIN IN dBi | 16.0 |
| FEED EDGE TAPER | 10 dB |

----- POWER DENSITIES IN MW/SQ.CM. -----

| LOCATION - DESCRIPTION | MW/SQ.CM. | AXIAL DISTANCE, FEET |
|-------------------------------------|-----------|----------------------|
| 1 - NEARFIELD ON AXIS | 7.27 | 275.95 |
| 2 - TRANSITION REGION ON AXIS | 3.03 | 662.29 |
| 3 - START OF FARFIELD ON AXIS | 0.29 | 2207.62 |
| 4 - REFLECTOR RIM NEAREST FEED BOOM | 3.42 | |
| 5 - ONE DIAMETER OUT AT RIM RADIUS | 0.09 | |
| 6 - IN FRONT OF FEED | 66.63 | |
| 7 - AT THE REFLECTOR SURFACE | 6.06 | |
| 8 - BEHIND CENTER OF REFLECTOR | 0.00 | |
| 9 - BETWEEN ANTENNA AND GROUND | 3.03 | |

NOTE: ANSI LIMIT IS 5 MW/SQ.CM. FOR 6 MINUTES EXPOSURE



PRIME FOCUS ANTENNA - RADIATION HAZARD LOCATIONS