

### 3.7 Test Results

< **PASS** >

The frequency and amplitude of the highest AC radiated emissions relative to the limit is reported. All the emissions not reported below are too low against the FCC limit.

EUT : UHF/IR Remote Controller Temperature : 21

Model No. : 1.51DBS Humidity : 53%

Test Mode : Transmitting mode (Side) Date of Test : June 28, 2000  
(Attitude) \_\_\_\_\_

| Polarization | Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Correction Factor (dB) | Meter Reading dB(μV) | Emission Level dB(μV/m) | Limits dB(μV/m) | Margin (dB) |
|--------------|-----------------|-----------------------|-----------------|--------------------|------------------------|----------------------|-------------------------|-----------------|-------------|
| Horizontal   | 385.990         | 16.34                 | 6.62            | 25.89              | -14.40                 | 83.53                | 66.20                   | 79.00           | 12.80       |
|              | 766.230         | 22.34                 | 10.10           | 26.60              | -14.40                 | 41.15                | 32.59                   | 59.00           | 29.35       |
|              | 1536.140        | 25.90                 | 5.80            | 26.70              | -14.40                 | 44.50                | 35.10                   | 54.00           | 26.84       |
| Vertical     | 385.990         | 16.34                 | 6.62            | 25.89              | -14.40                 | 91.27                | 73.94                   | 79.00           | 5.06        |
|              | 766.230         | 22.34                 | 10.10           | 26.60              | -14.40                 | 40.50                | 31.94                   | 59.00           | 30.00       |
|              | 1536.140        | 25.90                 | 5.80            | 26.70              | -14.40                 | 41.50                | 32.10                   | 54.00           | 29.84       |

Note 1. All readings are peak values

Note 2. Emission Level = Antenna Factor + Cable Loss + Meter Reading – Preamp Factor + Correction Factor

Note 3. Correction factor is calculated by averaging the sum of the pulse widths over one complete pulse train.

Correction Factor =  $20\lg(2/10.5) = -14.40$  (dB)

TEST ENGINEER: \_\_\_\_\_  
(STEVEN LEE)