



KTL Dallas, Inc.

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**Microwave Radiated Emissions Data**

Complete X Preliminary    

Page 1 of 1

Client: National Semiconductor Test #: RFP-02 W.O.#: 9L0325R

EUT: Gemini (1.5) S/N: 0019300C10 Photo ID:           

Technician: Ron Gaytan Specification: CFR 47 Part 15.247 Lab: ANC1 Date: 10/12/99

Equipment Used: G2624-677-CF31-G2023

Configuration: Base

Bandwidth: 1 MHz Video Bandwidth: 1 MHz Antenna Distance 3 m Detector:           

Climatic Conditions: EUT Power: X 115 V.A.C. X 60 Hz X Peak  
Temperature: 23 C     208 V.A.C.     50 Hz     Average  
Relative Humidity: 46 %     230 V.A.C.  
Atmospheric Pressure: 998 mbar     Other                1 Phase     3 Phase

| Freq.<br>(GHz) | Meter<br>Reading<br>(dBuV) | Antenna<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | RF<br>Gain<br>(dB) | Conver.<br>Factor | Corrected<br>Reading<br>(dBuV/m) | Spec.<br>Limit<br>(dBuV/m) | Pol. | Comments:        |
|----------------|----------------------------|---------------------------|-----------------------|--------------------|-------------------|----------------------------------|----------------------------|------|------------------|
| 2.44           | 79.9                       | 27.6                      | 3.1                   | 0                  | 0                 | 111                              | N/A                        | V    | .0378 W e.i.r.p. |
| 2.401          | 80.7                       | 27.6                      | 3.1                   | 0                  | 0                 | 111                              | N/A                        | V    | .0378 W e.i.r.p. |
| 2.48           | 81.4                       | 27.6                      | 3.1                   | 0                  | 0                 | 112                              | N/A                        | V    | .0475 W e.i.r.p. |
|                |                            |                           |                       |                    |                   |                                  |                            |      |                  |
| 2.44           | 80                         | 27.6                      | 3.1                   | 0                  | 0                 | 111                              | N/A                        | H    | .0378 W e.i.r.p. |
| 2.401          | 80                         | 27.6                      | 3.1                   | 0                  | 0                 | 111                              | N/A                        | H    | .0378 W e.i.r.p. |
| 2.48           | 81                         | 27.6                      | 3.1                   | 0                  | 0                 | 112                              | N/A                        | H    | .0475 W e.i.r.p. |
|                |                            |                           |                       |                    |                   |                                  |                            |      |                  |