

# RADIATED EMISSIONS



Test Report #: 0694 Run 4 Test Area: LTS

EUT Model #: 900 MHz PIR (55-844-B) Date: 2/16/04

EUT Serial #: EUT Power: 12 VDC Temperature: 20.0 °C

Test Method: Air Pressure: 97.0 kPa

Customer: GE Interlogics Rel. Humidity: 25.0 %

EUT Description:

Notes:

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## List of measurements for run #: 4

| FREQ                                 | LEVEL<br>(dBuV) | CABLE / ANT / PREAMP /<br>ATTEN<br>(dB) | FINAL<br>(dBuV / m) | POL / HGT / AZ<br>(m)(DEG) | DELTA1 | DELTA2 |
|--------------------------------------|-----------------|-----------------------------------------|---------------------|----------------------------|--------|--------|
| 2.784 GHz                            | 73.65 Pk        | 4.54 / 31.27 / 44.01 / 0.0              | 65.45               | V / 1.00 / 0               | n/a    | n/a    |
| 2.784 GHz                            | 62.25 Pk        | 4.54 / 31.27 / 44.01 / 0.0              | 54.05               | H / 1.00 / 0               | n/a    | n/a    |
| 915 MHz:                             |                 |                                         |                     |                            |        |        |
| 2.746 GHz                            | 70.9 Pk         | 4.5 / 31.19 / 43.93 / 0.0               | 62.67               | V / 1.00 / 0               | n/a    | n/a    |
| 2.746 GHz                            | 59.8 Pk         | 4.5 / 31.19 / 43.93 / 0.0               | 51.57               | H / 1.00 / 0               | n/a    | n/a    |
| 902 MHz:                             |                 |                                         |                     |                            |        |        |
| 2.706 GHz                            | 53.6 Pk         | 4.48 / 31.11 / 43.84 / 0.0              | 45.35               | V / 1.00 / 0               | n/a    | n/a    |
| 2.706 GHz                            | 53.8 Pk         | 4.48 / 31.11 / 43.84 / 0.0              | 45.55               | H / 1.00 / 0               | n/a    | n/a    |
| 3.608 GHz                            | 54.5 Pk         | 5.48 / 33.26 / 44.45 / 0.0              | 48.79               | H / 1.00 / 0               | n/a    | n/a    |
| 3.608 GHz                            | 53.65 Pk        | 5.48 / 33.26 / 44.45 / 0.0              | 47.94               | V / 1.00 / 0               | n/a    | n/a    |
| 915 MHz:                             |                 |                                         |                     |                            |        |        |
| 3.661 GHz                            | 62.35 Pk        | 5.53 / 33.39 / 44.51 / 0.0              | 56.75               | V / 1.00 / 0               | n/a    | n/a    |
| 3.661 GHz                            | 62.8 Pk         | 5.53 / 33.39 / 44.51 / 0.0              | 57.2                | H / 1.00 / 0               | n/a    | n/a    |
| 928 MHz:                             |                 |                                         |                     |                            |        |        |
| 3.712 GHz                            | 61.4 Pk         | 5.57 / 33.51 / 44.58 / 0.0              | 55.9                | H / 1.00 / 0               | n/a    | n/a    |
| 3.712 GHz                            | 59.9 Pk         | 5.57 / 33.51 / 44.58 / 0.0              | 54.4                | V / 1.00 / 0               | n/a    | n/a    |
| 4.64 GHz                             | 57.3 Pk         | 6.21 / 34.09 / 44.26 / 0.0              | 53.35               | V / 1.00 / 0               | n/a    | n/a    |
| 4.64 GHz                             | 55.6 Pk         | 6.21 / 34.09 / 44.26 / 0.0              | 51.65               | H / 1.00 / 0               | n/a    | n/a    |
| 915 MHz:                             |                 |                                         |                     |                            |        |        |
| 4.576 GHz                            | 52.95 Pk        | 6.17 / 33.91 / 44.31 / 0.0              | 48.73               | H / 1.00 / 0               | n/a    | n/a    |
| 4.576 GHz                            | 51.6 Pk         | 6.17 / 33.91 / 44.31 / 0.0              | 47.38               | V / 1.00 / 0               | n/a    | n/a    |
| 4510 MHz: No EUT emissions detected. |                 |                                         |                     |                            |        |        |

Tested by: J. C. Sausen  
Printed Signature

Reviewed  
by: Printed Signature

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Notes:

Data File Name: 0694-4.dat Page: 2 of 3

## List of measurements for run #: 4

| FREQ                                                                                           | LEVEL<br>(dBuV) | CABLE / ANT / PREAMP /<br>ATTEN<br>(dB) | FINAL<br>(dBuV / m) | POL / HGT / AZ<br>(m)(DEG) | DELTA1 | DELTA2 |
|------------------------------------------------------------------------------------------------|-----------------|-----------------------------------------|---------------------|----------------------------|--------|--------|
| 928 MHz:                                                                                       |                 |                                         |                     |                            |        |        |
| 5.567 GHz                                                                                      | 45.85 Pk        | 6.84 / 36.02 / 44.0 / 0.0               | 44.71               | H / 1.00 / 0               | n/a    | n/a    |
| 5.567 GHz                                                                                      | 46.05 Pk        | 6.84 / 36.02 / 44.0 / 0.0               | 44.91               | V / 1.00 / 0               | n/a    | n/a    |
| 915 MHz:                                                                                       |                 |                                         |                     |                            |        |        |
| 5.491 GHz                                                                                      | 44.4 Pk         | 6.79 / 35.89 / 44.0 / 0.0               | 43.08               | H / 1.00 / 0               | n/a    | n/a    |
| 5.491 GHz                                                                                      | 44.7 Pk         | 6.79 / 35.89 / 44.0 / 0.0               | 43.38               | V / 1.00 / 0               | n/a    | n/a    |
| 902 MHz:                                                                                       |                 |                                         |                     |                            |        |        |
| 5.412 GHz                                                                                      | 43.4 Pk         | 6.75 / 35.76 / 44.0 / 0.0               | 41.91               | V / 1.00 / 0               | n/a    | n/a    |
| 5.412 GHz                                                                                      | 42.45 Pk        | 6.75 / 35.76 / 44.0 / 0.0               | 40.96               | H / 1.00 / 0               | n/a    | n/a    |
| 928 MHz (x6)                                                                                   |                 |                                         |                     |                            |        |        |
| 5.567 GHz                                                                                      | 43.05 Pk        | 6.84 / 36.02 / 44.0 / 0.0               | 41.91               | V / 1.00 / 0               | n/a    | n/a    |
| 915 MHz:                                                                                       |                 |                                         |                     |                            |        |        |
| 5.492 GHz                                                                                      | 43.5 Pk         | 6.79 / 35.89 / 44.0 / 0.0               | 42.18               | V / 1.00 / 0               | n/a    | n/a    |
| 5.492 GHz                                                                                      | 44.95 Pk        | 6.79 / 35.89 / 44.0 / 0.0               | 43.63               | H / 1.00 / 0               | n/a    | n/a    |
| No other harmonics of 902 MHz, 915 MHz, and 928 MHz detected up to 9.28 GHz, vert and hor ant. |                 |                                         |                     |                            |        |        |

Tested by: J. C. Sausen  
Printed Signature

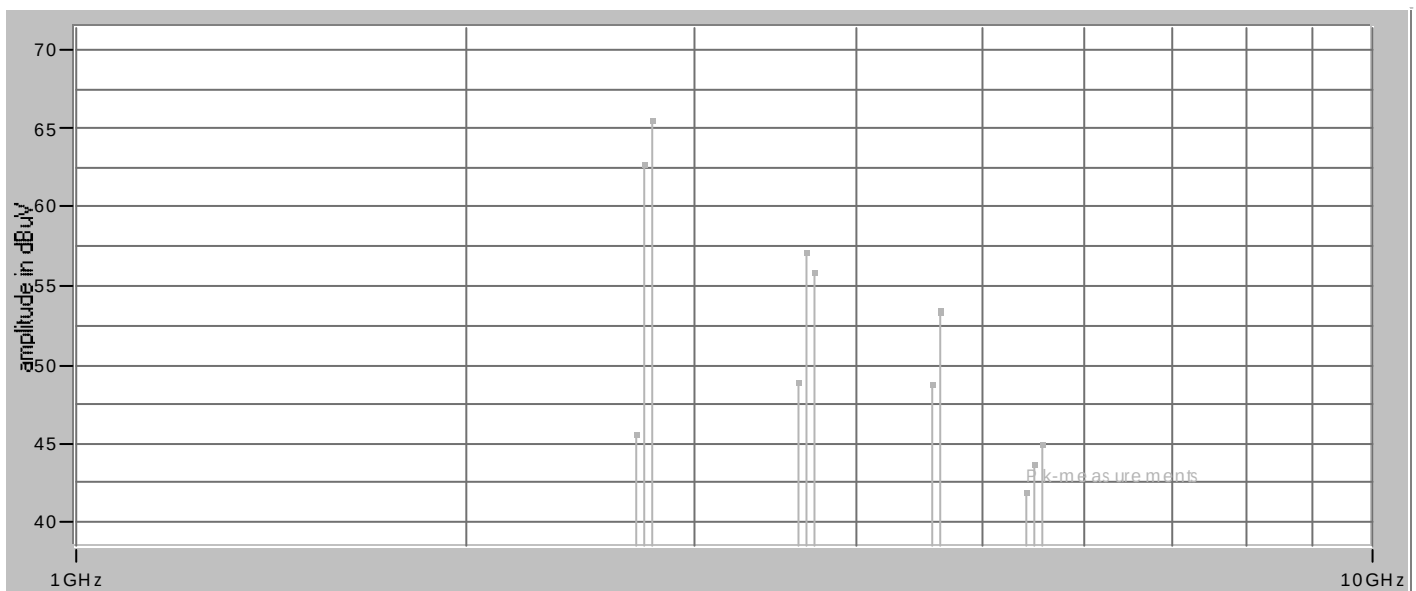
Reviewed  
by: Printed Signature

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|                  |                        |                |          |
|------------------|------------------------|----------------|----------|
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| EUT Model #:     | 900 MHz PIR (55-844-B) | Date:          | 2/16/04  |
| EUT Serial #:    |                        | EUT Power:     | 12 VDC   |
| Test Method:     |                        | Temperature:   | 20.0 °C  |
| Customer:        | GE Interlogics         | Air Pressure:  | 97.0 kPa |
|                  |                        | Rel. Humidity: | 25.0 %   |
| EUT Description: |                        |                |          |
| Notes:           |                        |                |          |
| Data File Name:  | 0694-4.dat             | Page:          | 3 of 3   |

## Graph:



|              |              |           |
|--------------|--------------|-----------|
| Tested by:   | J. C. Sausen |           |
|              | Printed      | Signature |
| Reviewed by: |              |           |
|              | Printed      | Signature |