

# CONDUCTED EMISSIONS



Test Report #: WC00863 Run 6 Test Area: LTS

EUT Model #: 56-846-02-900 Rev F Date: 2/27/04

EUT Serial #: 04 EUT Power: 12 VDC via 60 Hz / 110 Temperature: 23.0 °C

Test Method: \_\_\_\_\_ Air Pressure: 98.0 kPa

Customer: GE Security Rel. Humidity: 25.0 %

EUT Description: SuperBus 2000 900 MHz Transceiver with NRRD Bd, Concord SS, & CADDX SS.

Notes: Changed to original equipment Concord panel transformer.

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## List of measurements for run #: 6

| FREQ      | LEVEL<br>(dBuV) | CABLE / ANT / PREAMP /<br>ATTEN<br>(dB) | FINAL<br>(dBuV / m) | EUT Lead | DELTA1<br>EN55022 A Qp | DELTA2<br>EN55022 B<br>Avg |
|-----------|-----------------|-----------------------------------------|---------------------|----------|------------------------|----------------------------|
| 150.0 kHz | 53.58 Qp        | 0.1 / 3.0 / 0.0 / 0.0                   | 56.68               | N        | -22.32                 | n/a                        |
| 150.0 kHz | 38.36 Av        | 0.1 / 3.0 / 0.0 / 0.0                   | 41.46               | N        | n/a                    | -14.54                     |
| 400.0 kHz | 60.97 Qp        | 0.1 / 1.0 / 0.0 / 0.0                   | 62.07               | N        | -16.93                 | n/a                        |
| 400.0 kHz | 37.73 Av        | 0.1 / 1.0 / 0.0 / 0.0                   | 38.83               | N        | n/a                    | -9.02                      |
| 1.015 MHz | 39.43 Qp        | 0.1 / 0.05 / 0.0 / 0.0                  | 39.58               | N        | -33.42                 | n/a                        |
| 1.015 MHz | 26.49 Av        | 0.1 / 0.05 / 0.0 / 0.0                  | 26.64               | N        | n/a                    | -19.36                     |
| 1.015 MHz | 39.89 Qp        | 0.1 / 0.05 / 0.0 / 0.0                  | 40.04               | N        | -32.96                 | n/a                        |
| 4.685 MHz | 28.64 Qp        | 0.47 / 0.05 / 0.0 / 0.0                 | 29.16               | N        | -43.84                 | n/a                        |
| 4.685 MHz | 13.33 Av        | 0.47 / 0.05 / 0.0 / 0.0                 | 13.85               | N        | n/a                    | -32.15                     |
| 30.0 MHz  | 16.8 Qp         | 1.25 / 0.1 / 0.0 / 0.0                  | 18.15               | N        | -54.85                 | n/a                        |
| 30.0 MHz  | -2.3 Av         | 1.25 / 0.1 / 0.0 / 0.0                  | -0.95               | N        | n/a                    | -50.95                     |
| 300.0 kHz | 55.08 Qp        | 0.1 / 1.5 / 0.0 / 0.0                   | 56.68               | N        | -22.32                 | n/a                        |
| 300.0 kHz | 41.43 Av        | 0.1 / 1.5 / 0.0 / 0.0                   | 43.03               | N        | n/a                    | -7.21                      |
| 150.0 kHz | 56.0 Qp         | 0.1 / 3.0 / 0.0 / 0.0                   | 59.1                | L1       | -19.9                  | n/a                        |
| 150.0 kHz | 38.35 Av        | 0.1 / 3.0 / 0.0 / 0.0                   | 41.45               | L1       | n/a                    | -14.55                     |
| 300.0 kHz | 54.81 Qp        | 0.1 / 1.5 / 0.0 / 0.0                   | 56.41               | L1       | -22.59                 | n/a                        |
| 300.0 kHz | 41.2 Av         | 0.1 / 1.5 / 0.0 / 0.0                   | 42.8                | L1       | n/a                    | -7.44                      |
| 400.0 kHz | 60.95 Qp        | 0.1 / 1.0 / 0.0 / 0.0                   | 62.05               | L1       | -16.95                 | n/a                        |
| 1.015 MHz | 40.05 Qp        | 0.1 / 0.05 / 0.0 / 0.0                  | 40.2                | L1       | -32.8                  | n/a                        |
| 400.0 kHz | 45.63 Av        | 0.1 / 1.0 / 0.0 / 0.0                   | 46.73               | L1       | n/a                    | -1.12                      |
| 400.0 kHz | 45.14 Av        | 0.1 / 1.0 / 0.0 / 0.0                   | 46.24               | L1       | n/a                    | -1.61                      |
| 1.015 MHz | 26.27 Av        | 0.1 / 0.05 / 0.0 / 0.0                  | 26.42               | L1       | n/a                    | -19.58                     |
| 4.685 MHz | 28.59 Qp        | 0.47 / 0.05 / 0.0 / 0.0                 | 29.11               | L1       | -43.89                 | n/a                        |
| 4.685 MHz | 13.09 Av        | 0.47 / 0.05 / 0.0 / 0.0                 | 13.61               | L1       | n/a                    | -32.39                     |
| 30.0 MHz  | 21.12 Qp        | 1.25 / 0.1 / 0.0 / 0.0                  | 22.47               | L1       | -50.53                 | n/a                        |
| 30.0 MHz  | 5.12 Av         | 1.25 / 0.1 / 0.0 / 0.0                  | 6.47                | L1       | n/a                    | -43.53                     |

Tested by: J. C. Sausen \_\_\_\_\_  
Printed Signature

Reviewed  
by: \_\_\_\_\_  
Printed Signature

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Test Method: \_\_\_\_\_ Air Pressure: 98.0 kPa

Customer: GE Security Rel. Humidity: 25.0 %

EUT Description: SuperBus 2000 900 MHz Transceiver with NRRD Bd, Concord SS, & CADDX SS.

Notes: Changed to original equipment Concord panel transformer.

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## Measurement summary for limit2: EN55022 B Avg (Av)

| FREQ      | LEVEL<br>(dBuV) | CABLE / ANT / PREAMP /<br>ATTEN<br>(dB) | FINAL<br>(dBuV / m) | EUT Lead | DELTA2<br>EN55022 B<br>Avg |
|-----------|-----------------|-----------------------------------------|---------------------|----------|----------------------------|
| 400.0 kHz | 45.63 Av        | 0.1 / 1.0 / 0.0 / 0.0                   | 46.73               | L1       | -1.12                      |
| 300.0 kHz | 41.43 Av        | 0.1 / 1.5 / 0.0 / 0.0                   | 43.03               | N        | -7.21                      |
| 150.0 kHz | 38.36 Av        | 0.1 / 3.0 / 0.0 / 0.0                   | 41.46               | N        | -14.54                     |

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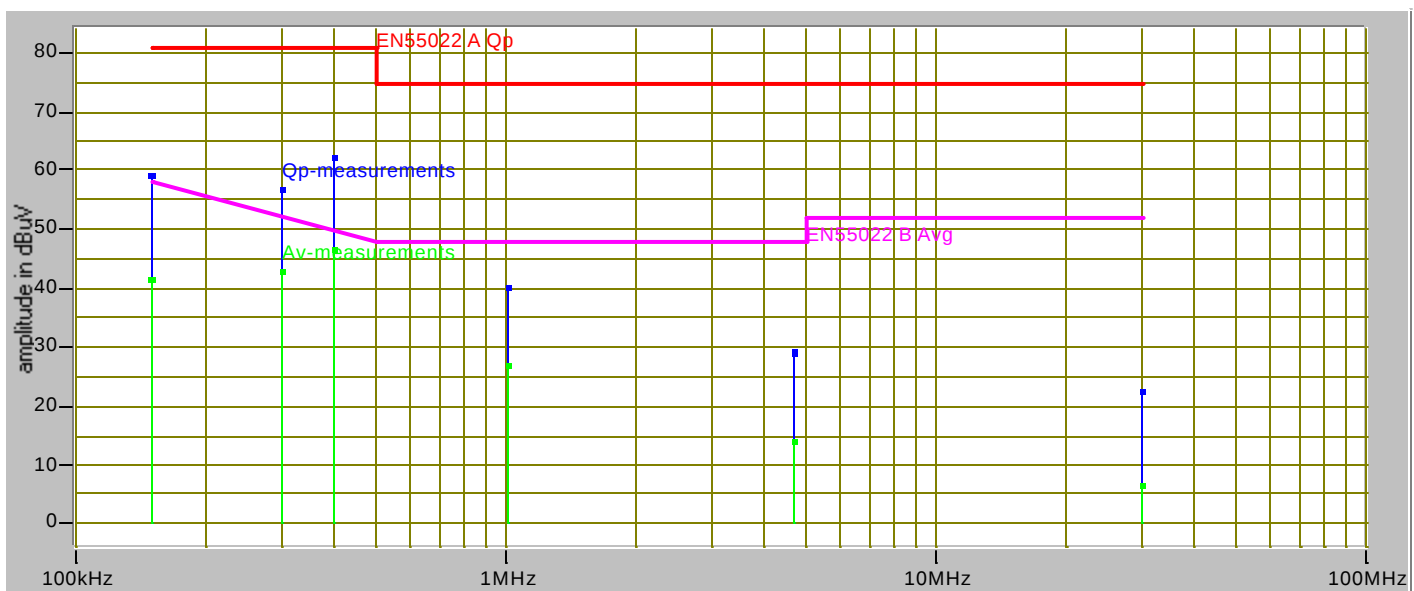
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## Graph:



Tested by: J. C. Sausen \_\_\_\_\_  
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