



FRONT VIEW

DATAMAX / O'NEIL
SDABG1

MODEL: WL430220

FCC SUBPART B and C – RADIATED EMISSIONS – LAB A – IN THE MF4t-L PRINTER

**PHOTOGRAPH SHOWING THE EUT CONFIGURATION
FOR MAXIMUM EMISSIONS**

Brea Division
114 Olinda Drive
Brea, CA 92823
(714) 579-0500

Agoura Division
2337 Troutdale Drive
Agoura, CA 91301
(818) 597-0600

Silverado Division
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Lake Forest Division
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FCC SUBPART B and C – CONDUCTED EMISSIONS – LAB A – IN THE LP3-L PRINTER

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FOR MAXIMUM EMISSIONS**

COM-POWER AC-220**COMBILOG ANTENNA**

S/N: 61027

CALIBRATION DATE: JUNE 12, 2009

| FREQUENCY (MHz) | FACTOR (dB) | FREQUENCY (MHz) | FACTOR (dB) |
|----------------------------|------------------------|----------------------------|------------------------|
| 25 | 17.7 | 180 | 10.0 |
| 30 | 18.1 | 200 | 10.2 |
| 35 | 17.4 | 250 | 11.7 |
| 40 | 16.8 | 275 | 13.3 |
| 45 | 16.1 | 300 | 13.9 |
| 50 | 16.3 | 400 | 15.8 |
| 60 | 14.0 | 500 | 17.3 |
| 70 | 8.1 | 600 | 18.7 |
| 80 | 7.5 | 700 | 19.6 |
| 90 | 8.5 | 800 | 20.9 |
| 100 | 9.9 | 900 | 21.5 |
| 120 | 9.9 | 1000 | 22.3 |
| 125 | 10.4 | 1200 | 18.1 |
| 140 | 10.1 | 1400 | 17.9 |
| 150 | 8.9 | 1600 | 20.1 |
| 160 | 8.9 | 1800 | 18.8 |
| 175 | 10.2 | 2000 | 20.0 |

COM-POWER PA-103**PREAMPLIFIER**

S/N: 1582

CALIBRATION DATE: JANUARY 6, 2010

| FREQUENCY (MHz) | FACTOR (dB) | FREQUENCY (MHz) | FACTOR (dB) |
|----------------------------|------------------------|----------------------------|------------------------|
| 30 | 33.1 | 300 | 32.7 |
| 40 | 33.0 | 350 | 32.6 |
| 50 | 32.9 | 400 | 33.0 |
| 60 | 33.1 | 450 | 32.3 |
| 70 | 33.1 | 500 | 32.1 |
| 80 | 32.9 | 550 | 32.5 |
| 90 | 32.9 | 600 | 32.3 |
| 100 | 32.9 | 650 | 32.0 |
| 125 | 33.0 | 700 | 32.6 |
| 150 | 32.9 | 750 | 32.5 |
| 175 | 32.9 | 800 | 31.8 |
| 200 | 32.7 | 850 | 31.9 |
| 225 | 32.8 | 900 | 32.2 |
| 250 | 32.8 | 950 | 32.1 |
| 275 | 32.8 | 1000 | 32.1 |

COM POWER AH-118**HORN ANTENNA**

S/N: 071175

CALIBRATION DATE: JUNE 27, 2008

| FREQUENCY (GHz) | FACTOR (dB) | FREQUENCY (GHz) | FACTOR (dB) |
|----------------------------|------------------------|----------------------------|------------------------|
| 1.0 | 24.5 | 10.0 | 39.4 |
| 1.5 | 25.4 | 10.5 | 39.7 |
| 2.0 | 28.3 | 11.0 | 39.0 |
| 2.5 | 28.9 | 11.5 | 40.0 |
| 3.0 | 29.7 | 12.0 | 39.7 |
| 3.5 | 30.8 | 12.5 | 41.7 |
| 4.0 | 31.4 | 13.0 | 42.7 |
| 4.5 | 32.6 | 13.5 | 41.2 |
| 5.0 | 33.7 | 14.0 | 41.6 |
| 5.5 | 34.4 | 14.5 | 43.2 |
| 6.0 | 34.7 | 15.0 | 42.3 |
| 6.5 | 35.4 | 15.5 | 39.3 |
| 7.0 | 37.0 | 16.0 | 41.7 |
| 7.5 | 37.4 | 16.5 | 39.6 |
| 8.0 | 37.6 | 17.0 | 43.0 |
| 8.5 | 37.6 | 17.5 | 47.1 |
| 9.0 | 38.5 | 18.0 | 46.2 |
| 9.5 | 38.6 | | |

COM-POWER PA-122**PREAMPLIFIER**

S/N: 181921

CALIBRATION DATE: MARCH 12, 2009

| FREQUENCY (GHz) | FACTOR (dB) | FREQUENCY (GHz) | FACTOR (dB) |
|----------------------------|------------------------|----------------------------|------------------------|
| 1.0 | 36.46 | 10.0 | 35.06 |
| 1.5 | 35.36 | 10.5 | 34.82 |
| 2.0 | 34.76 | 11.0 | 33.12 |
| 2.5 | 34.94 | 11.5 | 34.33 |
| 3.0 | 34.59 | 12.0 | 34.75 |
| 3.5 | 34.55 | 12.5 | 33.94 |
| 4.0 | 34.25 | 13.0 | 35.50 |
| 4.5 | 33.89 | 13.5 | 34.89 |
| 5.0 | 34.22 | 14.0 | 36.56 |
| 5.5 | 34.81 | 14.5 | 36.06 |
| 6.0 | 35.74 | 15.0 | 36.67 |
| 6.5 | 36.51 | 15.5 | 36.84 |
| 7.0 | 36.66 | 16.0 | 34.31 |
| 7.5 | 35.72 | 16.5 | 35.11 |
| 8.0 | 33.28 | 17.0 | 35.35 |
| 8.5 | 33.11 | 17.5 | 34.11 |
| 9.0 | 34.71 | 18.0 | 33.88 |
| 9.5 | 35.50 | 18.5 | 32.20 |

COM-POWER AL-130**LOOP ANTENNA**

S/N: 17089

CALIBRATION DATE: SEPTEMBER 29, 2008

| FREQUENCY (MHz) | MAGNETIC (dB/m) | ELECTRIC (dB/m) |
|----------------------------|----------------------------|----------------------------|
| 0.009 | -41.57 | 9.93 |
| 0.01 | -42.06 | 9.44 |
| 0.02 | -42.43 | 9.07 |
| 0.05 | -42.50 | 9.00 |
| 0.07 | -42.10 | 9.40 |
| 0.1 | -42.03 | 9.47 |
| 0.2 | -44.50 | 7.00 |
| 0.3 | -41.93 | 9.57 |
| 0.5 | -41.90 | 9.60 |
| 0.7 | -41.73 | 9.77 |
| 1 | -41.23 | 10.27 |
| 2 | -40.90 | 10.60 |
| 3 | -41.20 | 10.30 |
| 4 | -41.30 | 10.20 |
| 5 | -40.70 | 10.80 |
| 10 | -41.10 | 10.40 |
| 15 | -42.17 | 9.33 |
| 20 | -42.00 | 9.50 |
| 25 | -42.20 | 9.30 |
| 30 | -43.10 | 8.40 |

COM-POWER PA-840**PREAMPLIFIER-MICROWAVE**

S/N: 711013

CALIBRATION DATE: MARCH 12, 2009

| FREQUENCY (GHz) | FACTOR (dB) | FREQUENCY (GHz) | FACTOR (dB) |
|----------------------------|------------------------|----------------------------|------------------------|
| 18.0 | 25.72 | 29.0 | 26.72 |
| 18.5 | 25.46 | 29.5 | 27.11 |
| 19.0 | 25.19 | 30.0 | 27.19 |
| 19.5 | 24.58 | 30.5 | 27.12 |
| 20.0 | 23.94 | 31.0 | 26.76 |
| 20.5 | 23.48 | 31.5 | 26.52 |
| 21.0 | 23.22 | 32.0 | 26.11 |
| 21.5 | 23.34 | 32.5 | 26.35 |
| 22.0 | 23.62 | 33.0 | 26.15 |
| 22.5 | 23.74 | 33.5 | 26.14 |
| 23.0 | 24.40 | 34.0 | 25.47 |
| 23.5 | 24.60 | 34.5 | 25.39 |
| 24.0 | 25.15 | 35.0 | 25.05 |
| 24.5 | 25.38 | 35.5 | 25.18 |
| 25.0 | 26.00 | 36.0 | 24.63 |
| 25.5 | 25.92 | 36.5 | 25.22 |
| 26.0 | 26.47 | 37.0 | 26.20 |
| 26.5 | 27.19 | 37.5 | 26.46 |
| 27.0 | 27.60 | 38.0 | 25.44 |
| 27.5 | 26.51 | 38.5 | 24.71 |
| 28.0 | 26.46 | 39.0 | 23.50 |
| 28.5 | 26.36 | 39.5 | 23.46 |

COM-POWER AH826**HORN ANTENNA**

S/N: 71957

| FREQUENCY (GHz) | FACTOR (dB) | FREQUENCY (GHz) | FACTOR (dB) |
|------------------------|------------------------|------------------------|------------------------|
| 18.0 | 33.5 | 22.5 | 35.5 |
| 18.5 | 33.5 | 23.0 | 35.9 |
| 19.0 | 34.0 | 23.5 | 35.7 |
| 19.5 | 34.0 | 24.0 | 35.6 |
| 20.0 | 34.3 | 24.5 | 36.0 |
| 20.5 | 34.9 | 25.0 | 36.2 |
| 21.0 | 34.7 | 25.5 | 36.1 |
| 21.5 | 35.0 | 26.0 | 36.2 |
| 22.0 | 35.0 | 26.5 | 35.7 |

ANTENNA RESEARCH**HORN ANTENNA**

S/N: 1011

| FREQUENCY (GHz) | FACTOR (dB) | FREQUENCY (GHz) | FACTOR (dB) |
|------------------------|------------------------|------------------------|------------------------|
| 26.5 | 33.5 | 31.0 | 42.4 |
| 27.0 | 40.4 | 31.5 | 41.8 |
| 27.5 | 39.8 | 32.0 | 40.1 |
| 28.0 | 40.0 | 32.5 | 39.6 |
| 28.5 | 41.0 | 33.0 | 39.8 |
| 29.0 | 41.0 | 33.5 | 39.9 |
| 29.5 | 41.4 | 34.0 | 39.6 |
| 30.0 | 41.5 | 34.5 | 40.4 |
| 30.5 | 42.0 | 40.0 | 39.6 |