## Table 4 (3 Carriers / Intermodulation Test)
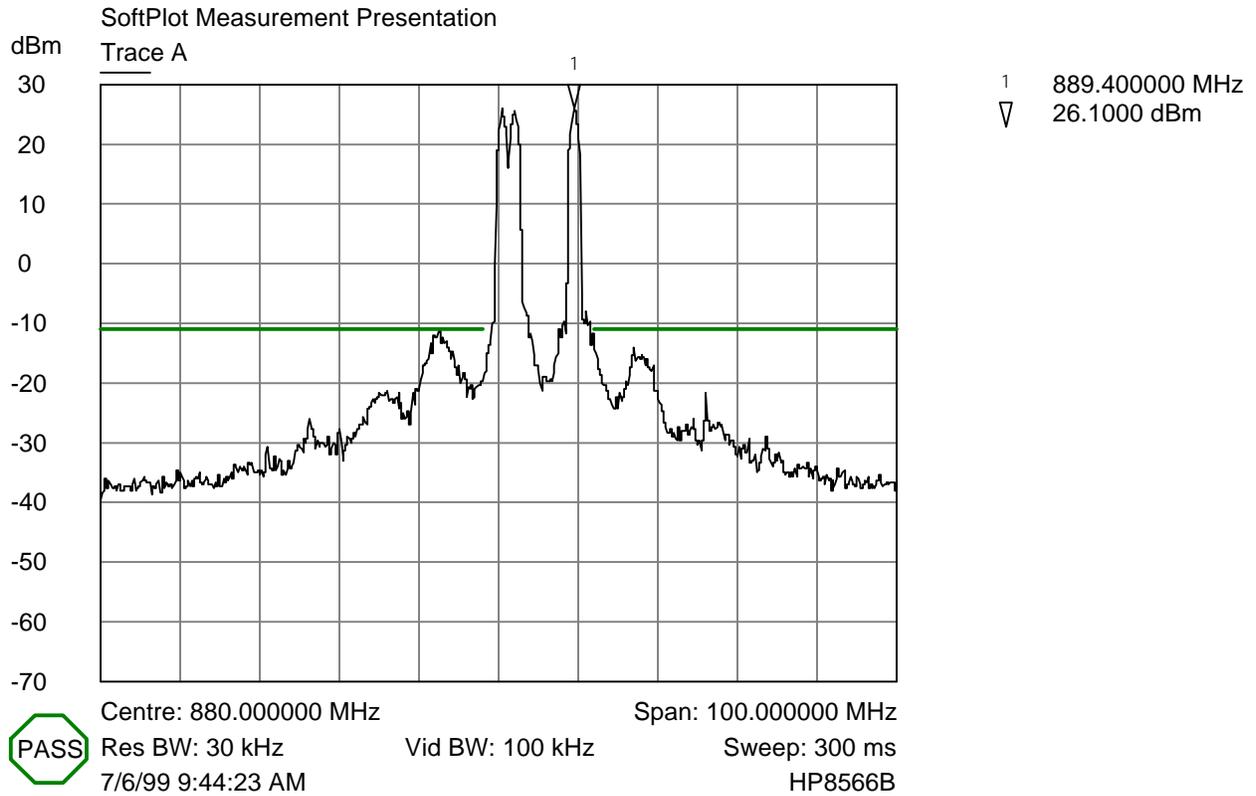
The emissions must be attenuated 43 + 10 log P dB where P = Mean power of the unmodulated carrier.  The maximum power of the modulated carrier was measured to 0.407 W (26.1 dBm) See plot on page 41, therefore, the emissions must be attenuated 43 + 10 log (0.407) = 39.1 dB.  The criteria is 26.1 dBm – 39.1 dB = -13.0 dBm.

| Transmitting at 880.0, 881.5 and 889.0 MHz | | | |
|---|---|---|---|
| Frequency Range MHz | Frequency MHz | Corrected Level dBm | Criteria dBm |
| 30 – 200 | 32.9 | -41.3 | -13.0 |
| 200 – 1000 | 395.7 | -37.5 | -13.0 |
| 1000 – 1500 | 1011.5 | -43.0 | -13.0 |
| 1500 – 2000 | 1772.0 | -20.1 | -13.0 |
| 2000 – 3000 | 2642.0 | -30.3 | -13.0 |
| 3000 – 4000 | 3540.9 | -44.3 | -13.0 |
| 4000 – 5000 | 4447.0 | -41.6 | -13.0 |
| 5000 – 6000 | 5280.0 | -50.6 * | -13.0 |
| 6000 – 7000 | 6160.0 | -43.8 * | -13.0 |
| 7000 – 7500 | 7040.0 | -42.7 * | -13.0 |
| 7500 – 8000 | 7920.0 | -42.7 * | -13.0 |
| 8000 – 9000 | 8800.0 | -42.7 * | -13.0 |
| * Noise Floor | | | |

RBW = 30 kHz   VBW = 100 kHz

Exhibit 6

SoftPlot Measurement Presentation

Trace A

| | |
|---|---|
| 1 | 889.400000 MHz |
| ∇ | 26.1000 dBm |

Centre: 880.000000 MHz               Span: 100.000000 MHz

PASS   Res BW: 30 kHz        Vid BW: 100 kHz        Sweep: 300 ms

7/6/99 9:44:23 AM                         HP8566B

Intermodulation Test - Limit Line 1 MHz below and above transmit band (889MHz and 891 MHz)

Trace A   3 CDMA Signals (2 near low end of band and 1 near high end of band)

Plot Intermodulation test (Output from MPC30)

Exhibit 6