

10/21/05     **High Frequency Fundamental Measurement**  
**Compliance Certification Services, Morgan Hill 5m Chamber Site**

**Test Engr:** Frank Ibrahim  
**Project #:** 05U3601-1  
**Company:** Sierra Wireless  
**EUT Descrip.:** Express Mini PCI, USB Wireless CDMA modem module installed in M-Note Metal laptop  
**EUT M/N:** MC5720  
**Test Target:** FCC Part 24  
**Mode Oper:** TX ON, Laptop SN: SIVBV1B400000074

**Test Equipment:** (RBW=VBW=3MHz, No Preamp)

**Receiving:** Horn T73, and 12ft S/N: 197209005 (Setup this one for testing EUT)  
**Substitution:** Horn T60 Substitution, 4ft SMA Cable Warehouse S/N: 177081002

| f<br>GHz | SA reading<br>(dBuV/m) | Ant. Pol.<br>(H/V) | SG reading<br>(dBm) | CL<br>(dB) | Gain<br>(dBi) | EIRP<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) | Notes |
|----------|------------------------|--------------------|---------------------|------------|---------------|---------------|----------------|----------------|-------|
| 1.85125  | 87.4                   | H                  | 10.1                | 0.9        | 8.3           | 17.5          | 33.0           | -15.5          |       |
| 1.85125  | 86.0                   | V                  | 8.6                 | 0.9        | 8.3           | 16.0          | 33.0           | -17.0          |       |
| 1.88000  | 87.1                   | H                  | 10.2                | 0.9        | 8.3           | 17.7          | 33.0           | -15.4          |       |
| 1.88000  | 85.6                   | V                  | 7.9                 | 0.9        | 8.3           | 15.3          | 33.0           | -17.7          |       |
| 1.90875  | 84.6                   | H                  | 8.0                 | 0.9        | 8.4           | 15.5          | 33.0           | -17.5          |       |
| 1.90875  | 84.7                   | V                  | 7.7                 | 0.9        | 8.4           | 15.2          | 33.0           | -17.8          |       |