

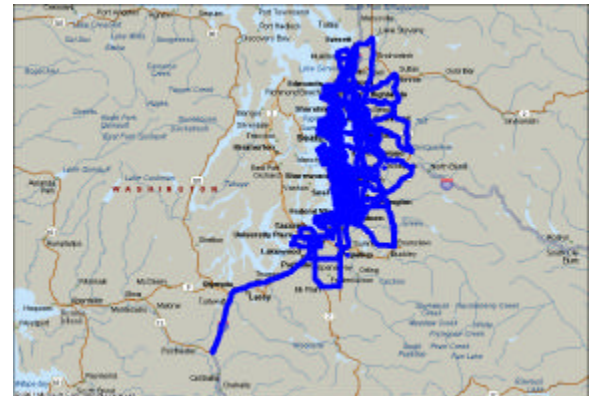
### Test Profile

| Test Parameter                   | Value   |
|----------------------------------|---|
| Networks surveyed                | AT&T - GSM<br>AT&T - IS-136<br>Cingular - GSM<br>Nextel - iDEN<br>Qwest - CDMA<br>Sprint - CDMA<br>T-Mobile - GSM<br>Verizon - CDMA   |
| Hardware used                    | Agilent VoicePrint  |
| Handsets used                    | AT&T(GSM) - Sagem OT-55-P EFR<br>AT&T(IS-136) - Nokia 6160-EFR<br>Cingular - Sagem OT-55-P EFR<br>Nextel - Motorola r370xl<br>Qwest - Kyocera 2135<br>Sprint - Kyocera 2135<br>T-Mobile - Sagem OT-55-P EFR<br>Verizon - Kyocera 2235 |
| Software used                    | Agilent OPAS32 2.71.3<br>Agilent Nitro 2.1<br>Microsoft MapPoint<br>Microsoft Excel<br>Microsoft Word   |
| Miles surveyed                   | Approximately 1500  |
| Data collection window           | 7:00 a.m. - 7:00 p.m. M-F   |
| Call type                        | Mobile originated   |
| Call duration                    | 90 seconds  |
| Idle time between calls          | 30 seconds  |
| Location of Voice Quality Server | EnVision office in Melbourne, FL  |
| Drive test vehicle               | Standard mini-van   |
| Handset separation               | Minimum of 18 inches  |
| Handset location                 | Cradles near headrests  |
| Antenna location                 | External - GPS<br>Internal - All handsets   |
| Dates of survey                  | June 2004   |

### Parameters Measured

| Parameter                  | CDMA | iDEN | GSM | IS-136 |
|----------------------------|------|------|-----|--------|
| Forward Link Voice Quality | •    | •    | •   | •      |
| Reverse Link Voice Quality | •    | •    | •   | •      |
| Blocked Calls              | •    | •    | •   | •      |
| Dropped Calls              | •    | •    | •   | •      |
| No-Service Calls           | •    | •    | •   | •      |
| Completed Calls            | •    | •    | •   | •      |
| Call Setup Time            | •    | •    | •   | •      |
| Mobile RX Power            | •    | •    | •   | •      |
| Mobile TX Power            | •    | •    | •   | •      |
| RX Qual                    |      |      | •   |        |
| FER                        | •    |      | •   |        |
| SOE                        |      | •    |     |        |
| BER                        |      |      |     | •      |
| Aggregate Ec/Io            | •    |      |     |        |
| Strongest Ec/Io            |      |      |     |        |
| Analog Mode Calls          | •    |      | •   | •      |

### Drive Route



### Report Contents

- ▶ Executive summary
- ▶ Test methodology description
- ▶ Statistical graphs
- ▶ Geographic plots
- ▶ Raw data in ASCII format
- ▶ Sample available at [www.envision-wireless.com](http://www.envision-wireless.com)