

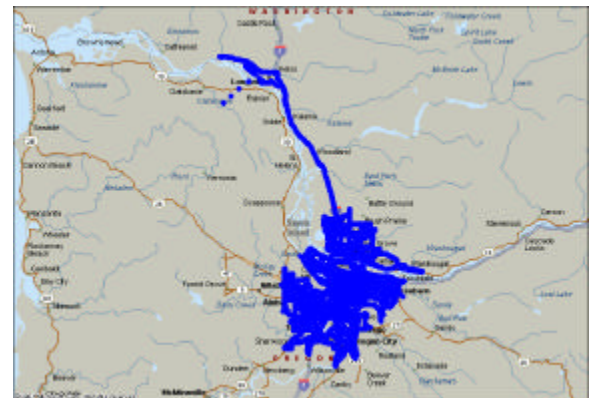
Test Profile

Test Parameter	Value
Networks surveyed	AT&T - GSM Nextel - iDEN Qwest - CDMA Sprint - CDMA T-Mobile - GSM Verizon - CDMA
Hardware used	Agilent VoicePrint
Handsets used	AT&T - Sagem OT-55-P EFR Nextel - Motorola r370xl Qwest - Kyocera 2135 Sprint - Kyocera 2135 T-Mobile - Sagem OT-55-P EFR Verizon - Kyocera 2235
Software used	Agilent OPAS32 2.71.3 Agilent Nitro 2.1 Microsoft MapPoint Microsoft Excel Microsoft Word
Miles surveyed	Approximately 1000
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 Internal - All handsets
Dates of survey	July 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	•		•	
SQE		•		
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