

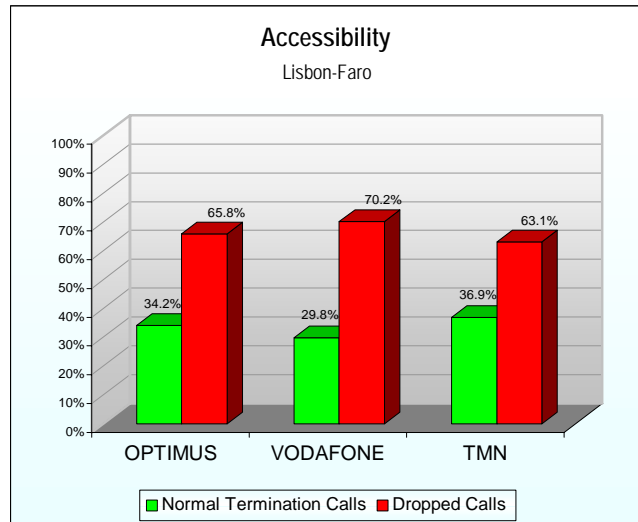
2.2 LISBON-FARO

Measurement Sessions on:

- 15 November 2005 between 17h15 and 20h36
- 16 November 2005 between 6h35 and 9h55
- 17 November 2005 between 17h10 and 20h16
- 18 November 2005 between 6h34 and 9h41

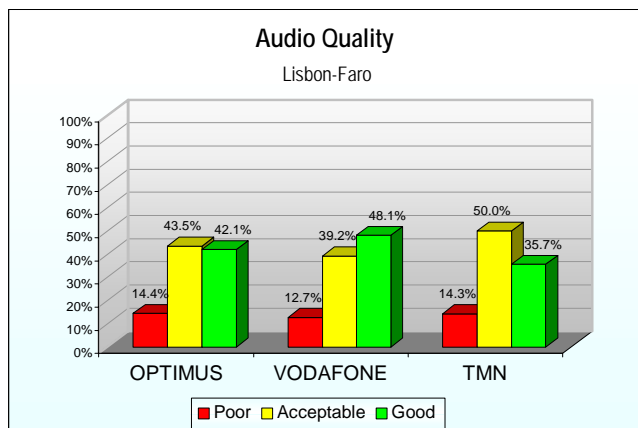
2.2.1 ACCESSIBILITY

Calls Made		Operator	OPTIMUS	VODAFONE	TMN	
		Total	269 100%	275 100%	274 100%	
Routed Calls	Total		159 59.1%	146 53.1%	166 60.6%	
	Abandoned During Conversation		67 24.9%	64 23.3%	65 23.7%	
	Normal Termination Calls		92 34.2%	82 29.8%	101 36.9%	
Non-Routed Calls			110 40.9%	129 46.9%	108 39.4%	
Dropped Calls	Total		177 65.8%	193 70.2%	173 63.1%	
	Call Ending Causes	No Service		22 8.2%	33 12.0%	31 11.3%
		Congestion		95 35.3%	101 36.7%	32 11.7%
		Radio Link Failure		11 4.1%	32 11.6%	36 13.1%
		Other		49 18.2%	27 9.8%	74 27.0%



2.2.2 AUDIO QUALITY

Calls with Measurements		Operator	OPTIMUS	VODAFONE	TMN
		Total	278 100%	260 100%	300 100%
Audio Quality (MOS)	Poor		40 14.4%	33 12.7%	43 14.3%
	Acceptable		121 43.5%	102 39.2%	150 50.0%
	Good		117 42.1%	125 48.1%	107 35.7%

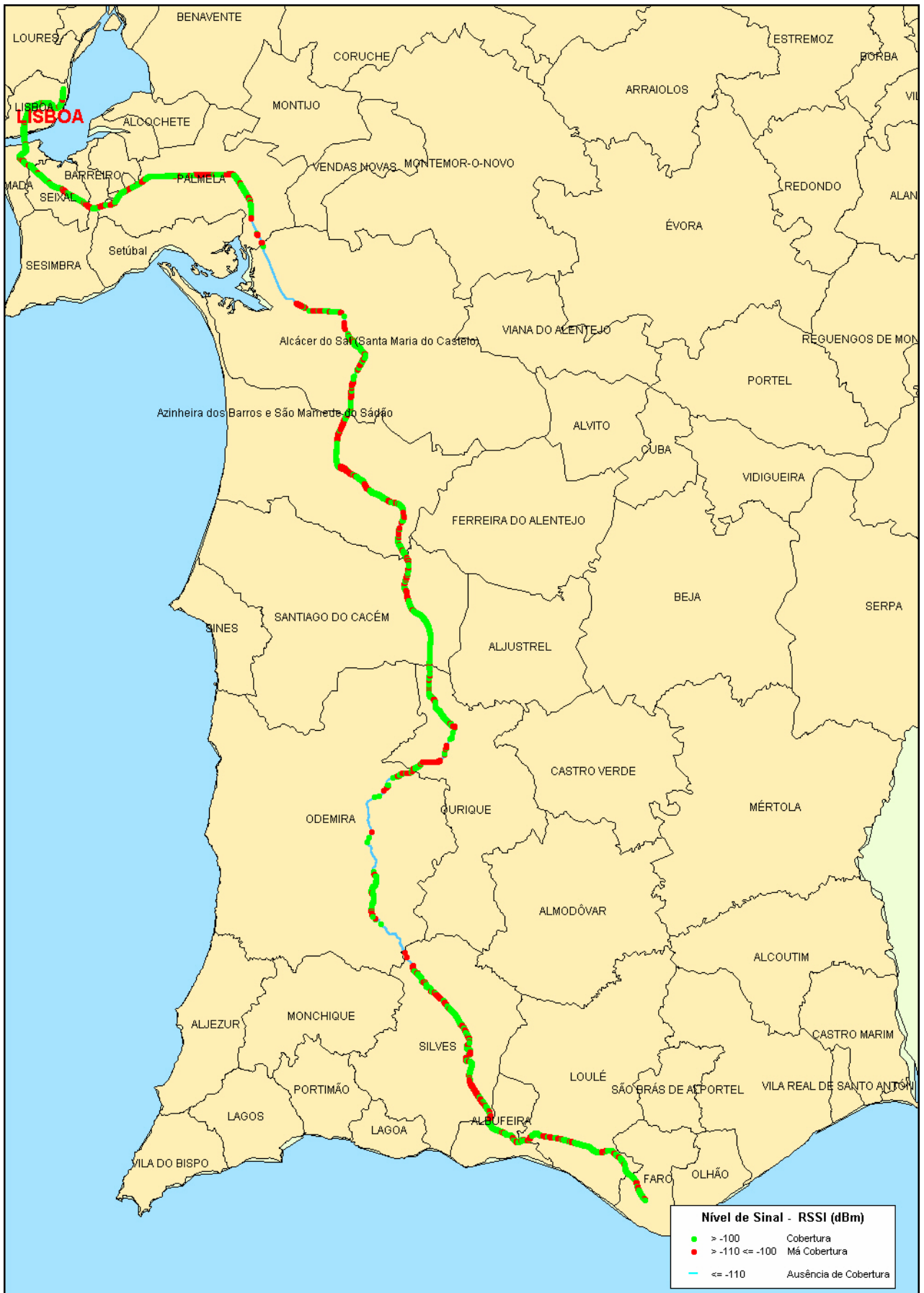


2.2.3 COVERAGE

(Following pages)

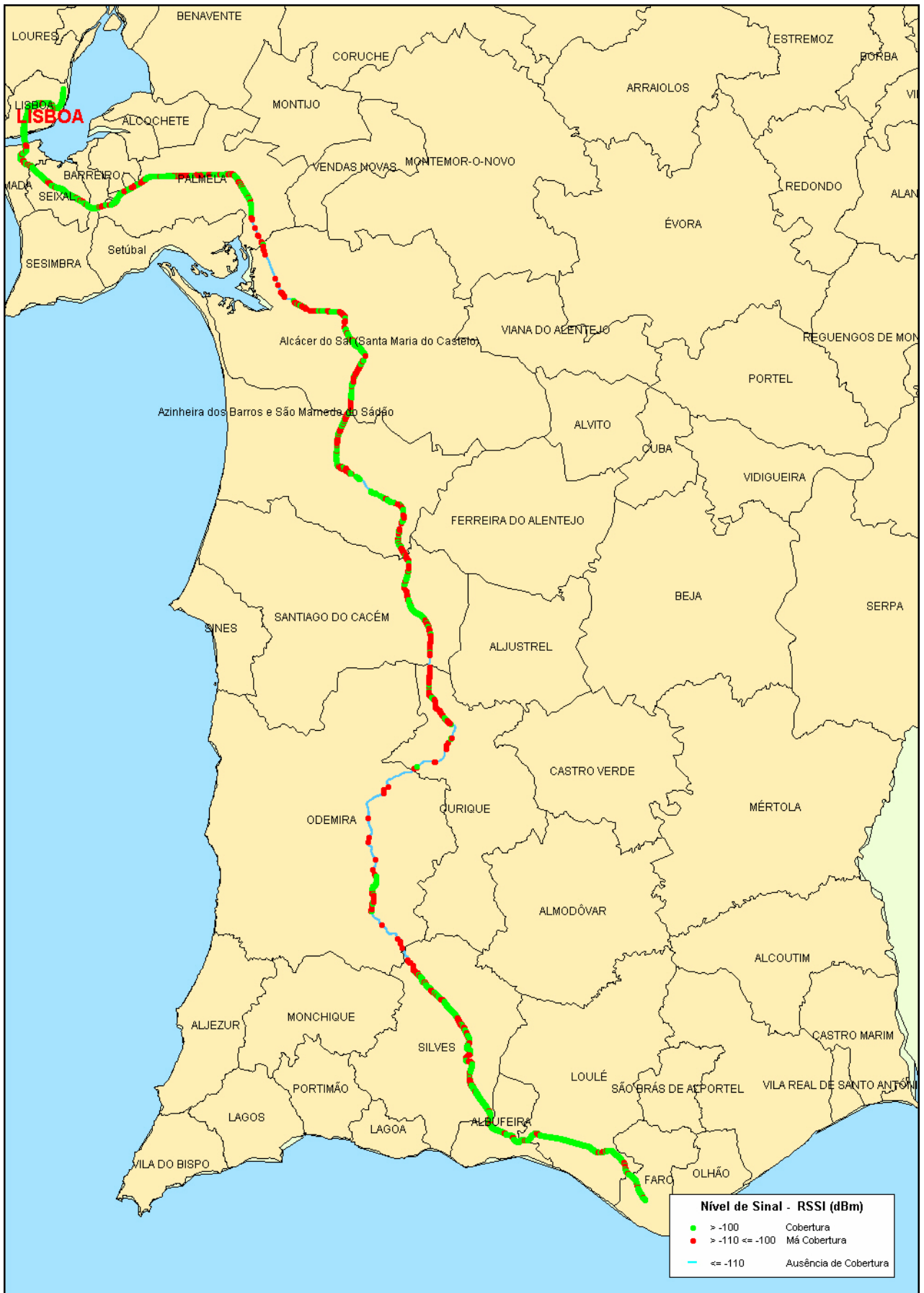
LISBON-FARO

OPTIMUS - PSTN



LISBON-FARO

VODAFONE - PSTN



LISBON-FARO

TMN - PSTN

