

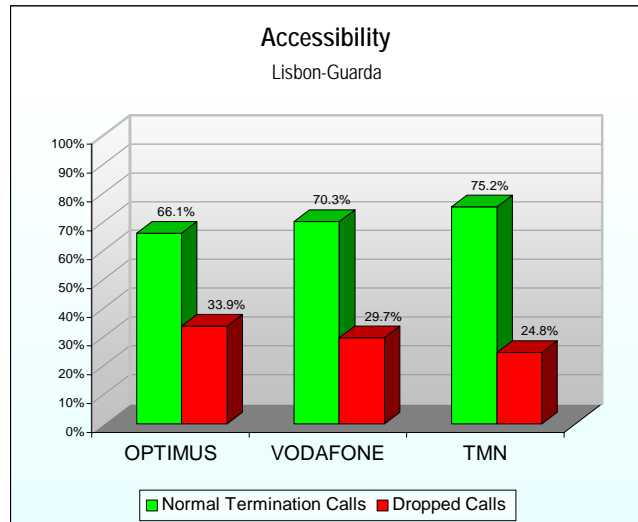
## 2.3 LISBON-GUARDA

### Measurement Sessions on:

- 15 November 2005 between 8h05 and 12h16
- 16 November 2005 between 11h52 and 16h26
- 17 November 2005 between 7h54 and 12h23
- 21 November 2005 between 11h50 and 16h13

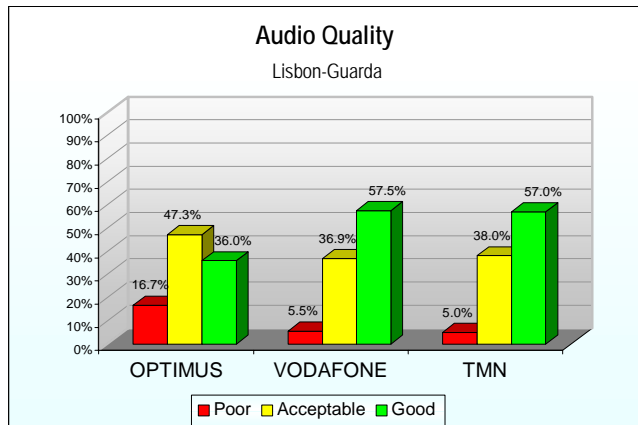
### 2.3.1 ACCESSIBILITY

Calls Made		Operator	OPTIMUS	VODAFONE	TMN	
		Total	389 100%	390 100%	391 100%	
Routed Calls	Total		338 86.9%	346 88.7%	345 88.2%	
	Abandoned During Conversation		81 20.8%	72 18.5%	51 13.0%	
	Normal Termination Calls		257 66.1%	274 70.3%	294 75.2%	
Non-Routed Calls			51 13.1%	44 11.3%	46 11.8%	
Dropped Calls	Total		132 33.9%	116 29.7%	97 24.8%	
	Call Ending Causes	No Service		6 1.5%	7 1.8%	5 1.3%
		Congestion		65 16.7%	56 14.4%	30 7.7%
		Radio Link Failure		26 6.7%	43 11.0%	30 7.7%
		Other		35 9.0%	10 2.6%	32 8.2%



### 2.3.2 AUDIO QUALITY

Calls with Measurements		Operator	OPTIMUS	VODAFONE	TMN
		Total	639 100%	669 100%	679 100%
Audio Quality (MOS)	Poor		107 16.7%	37 5.5%	34 5.0%
	Acceptable		302 47.3%	247 36.9%	258 38.0%
	Good		230 36.0%	385 57.5%	387 57.0%

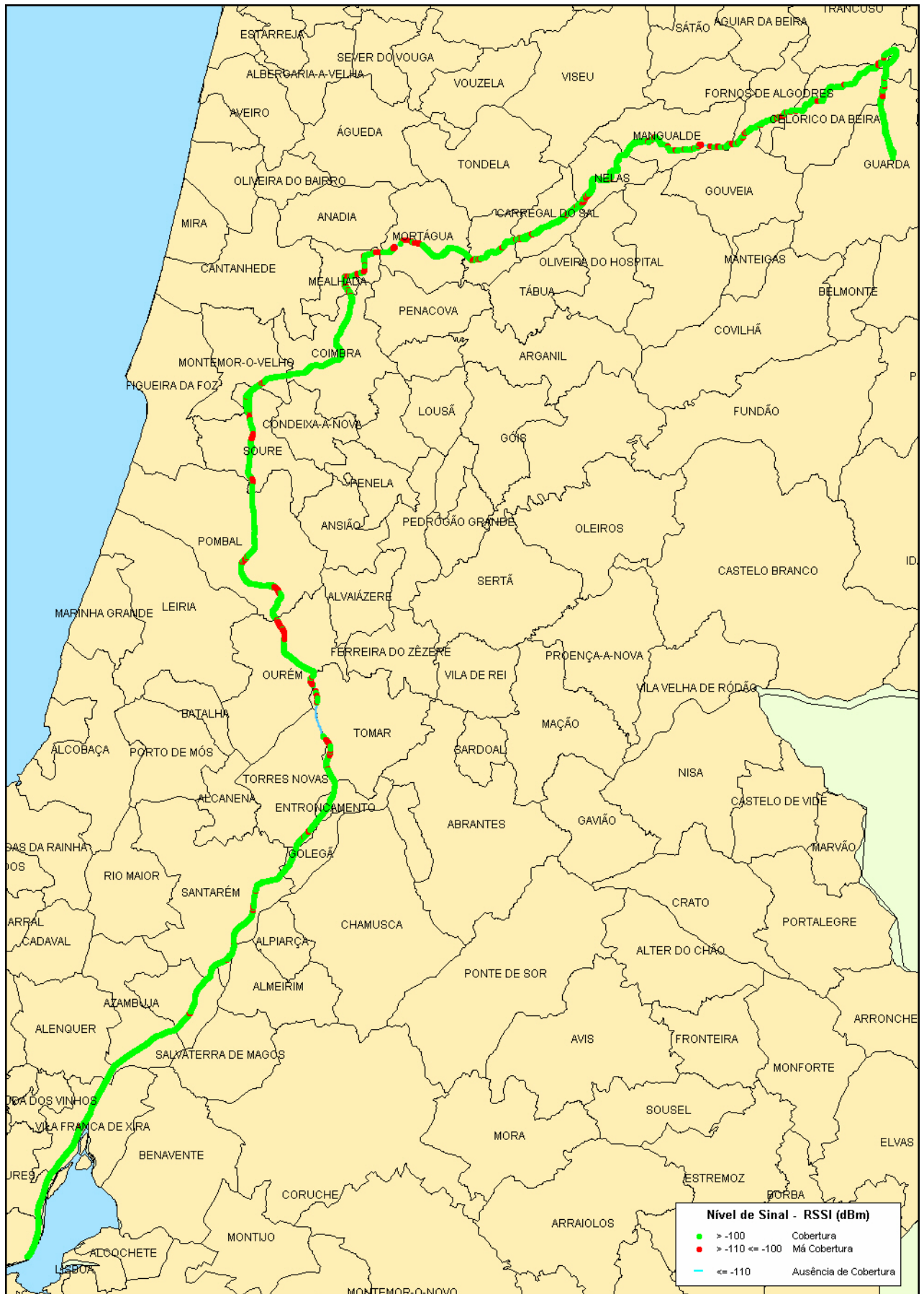


### 2.3.3 COVERAGE

(Following pages)

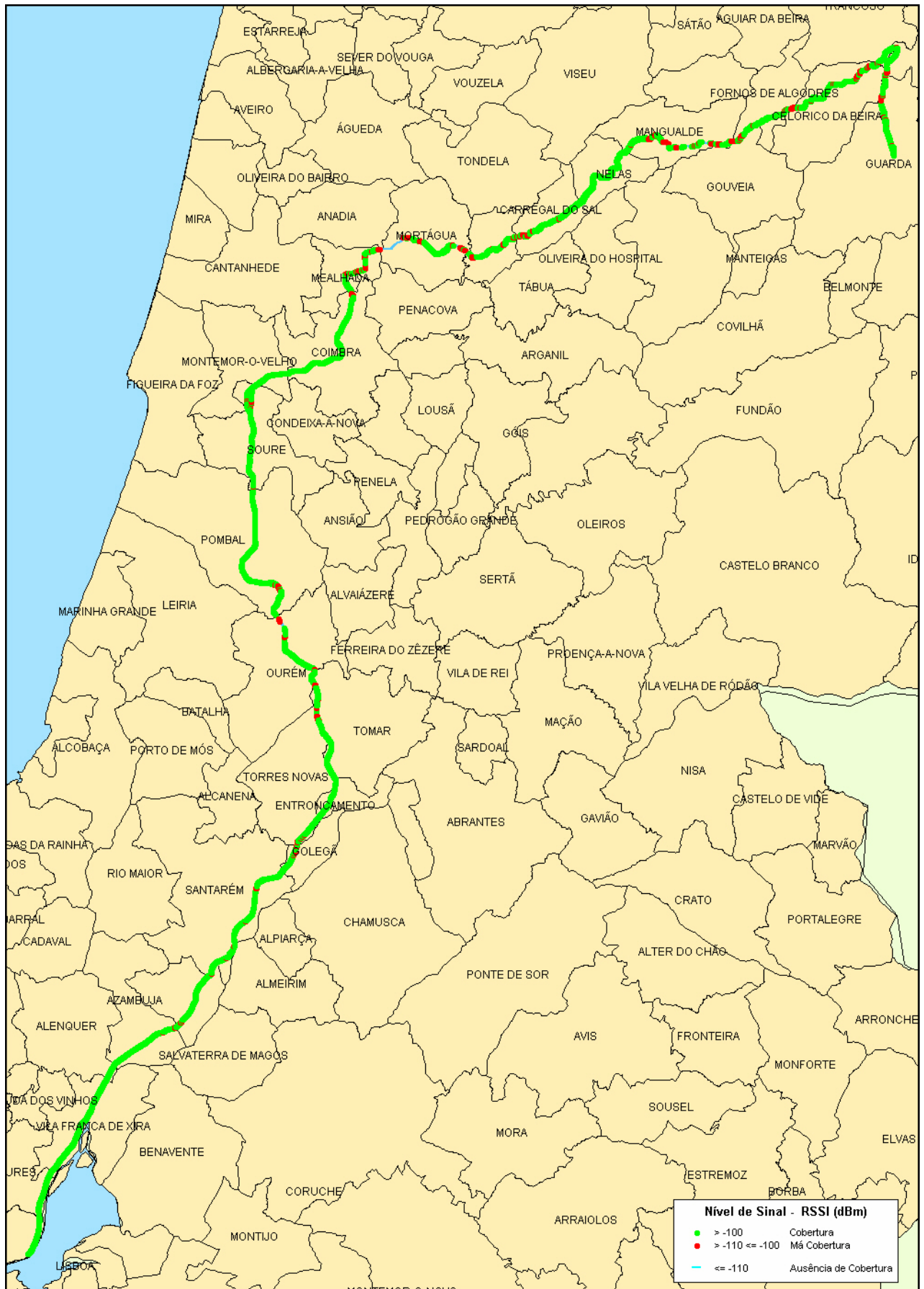
# LISBON-GUARDA

OPTIMUS - PSTN



# LISBON-GUARDA

VODAFONE - PSTN



# LISBON-GUARDA

TMN - PSTN

