

The information is also available in Anacom's Internet website in:

<http://www.anacom.pt/template12.jsp?categoryId=186283>

Appendix

Individual results, results by urban agglomeration and road axel.

September / October 2005

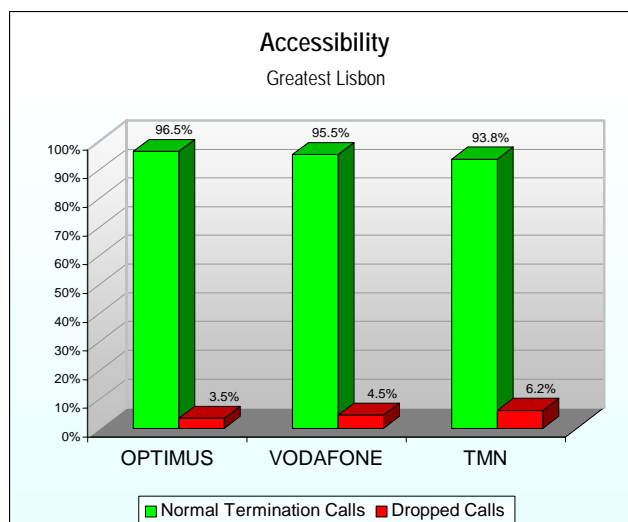
1.11 LISBON, ALMADA, AMADORA, CASCAIS, LOURES, ODIVELAS, OEIRAS, SINTRA, SEIXAL

Measurement Sessions on:

- 3 October 2005 between 8h02 and 11h39 and between 16h45 and 20h16
- 4 October 2005 between 7h58 and 11h41 and between 16h31 and 20h05
- 6 October 2005 between 7h53 and 11h28 and between 16h34 and 20h41
- 7 October 2005 between 7h58 and 11h32 and between 16h30 and 20h32
- 10 October 2005 between 8h23 and 11h57 and between 16h33 and 20h05

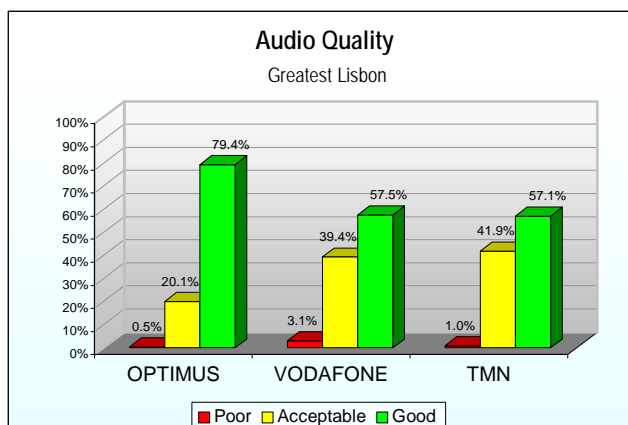
1.11.1 ACCESSIBILITY

Calls Made		Operator	OPTIMUS	VODAFONE	TMN	
Total			817 100%	814 100%	817 100%	
Routed Calls	Total		796 97.4%	789 96.9%	795 97.3%	
	Abandoned During Conversation		8 1.0%	12 1.5%	29 3.5%	
	Normal Termination Calls		788 96.5%	777 95.5%	766 93.8%	
Non-Routed Calls			21 2.6%	25 3.1%	22 2.7%	
Dropped Calls	Total		29 3.5%	37 4.5%	51 6.2%	
	Call Ending Causes	No Service		0 0.0%	0 0.0%	0 0.0%
		Congestion		19 2.3%	24 2.9%	20 2.4%
		Radio Link Failure		5 0.6%	6 0.7%	6 0.7%
		Other		5 0.6%	7 0.9%	25 3.1%



1.11.2 AUDIO QUALITY

Calls with Measurements		Operator	OPTIMUS	VODAFONE	TMN
Total			1,590 100%	1,574 100%	1,571 100%
Audio Quality (MOS)	Poor		8 0.5%	49 3.1%	16 1.0%
	Acceptable		319 20.1%	620 39.4%	658 41.9%
	Good		1,263 79.4%	905 57.5%	897 57.1%

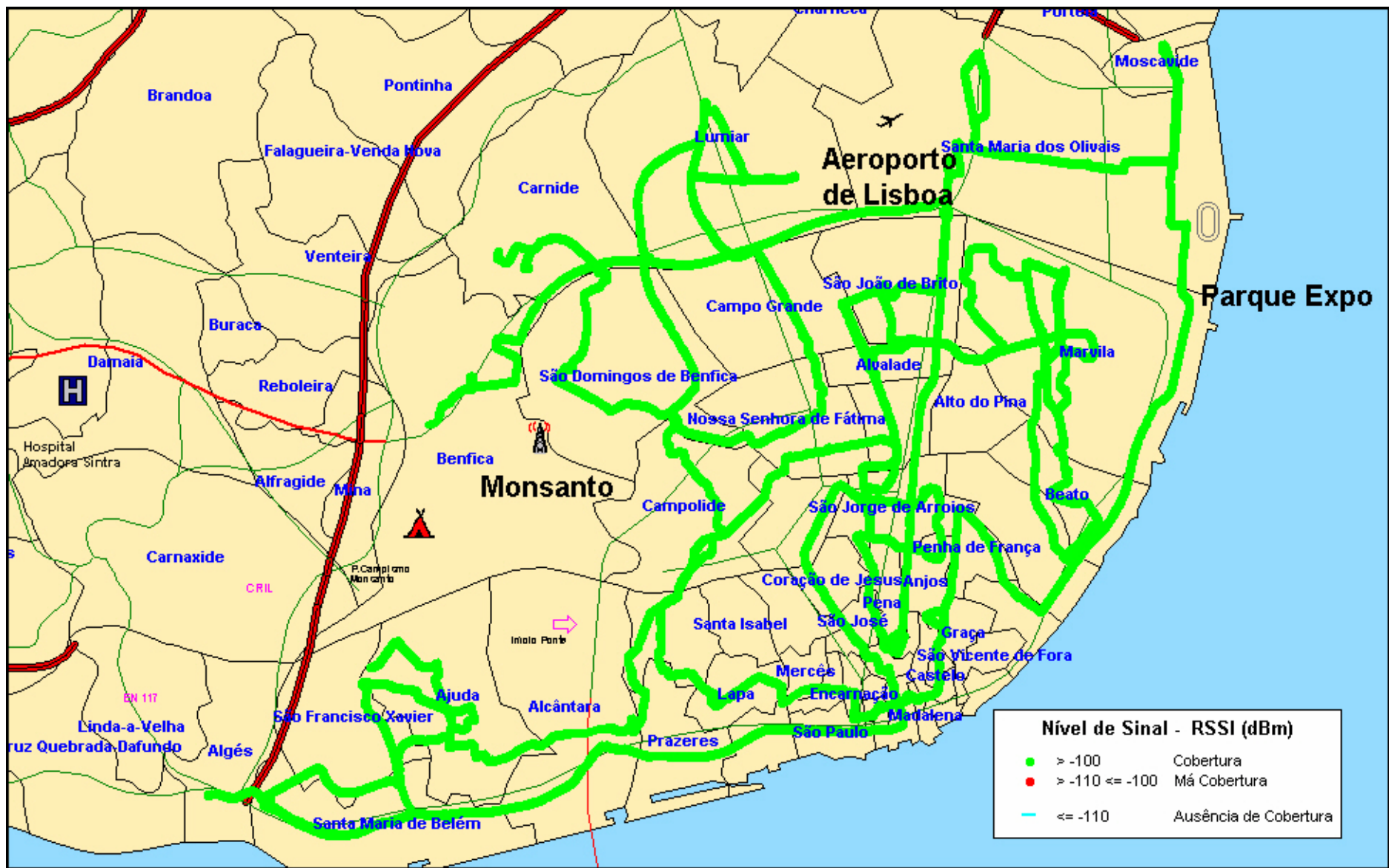


1.11.3 COVERAGE

(Following Pages)

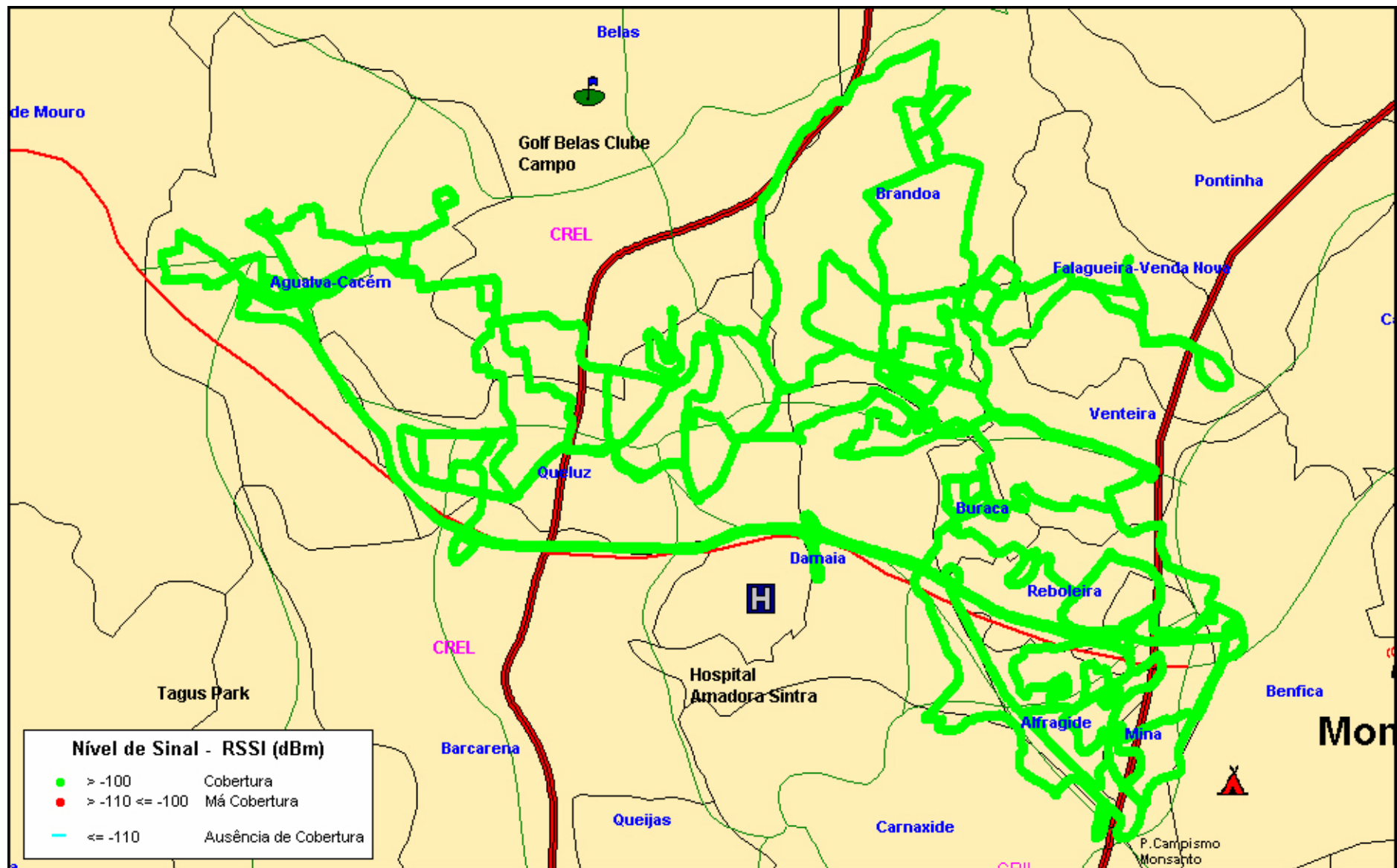
LISBON

OPTIMUS - PSTN



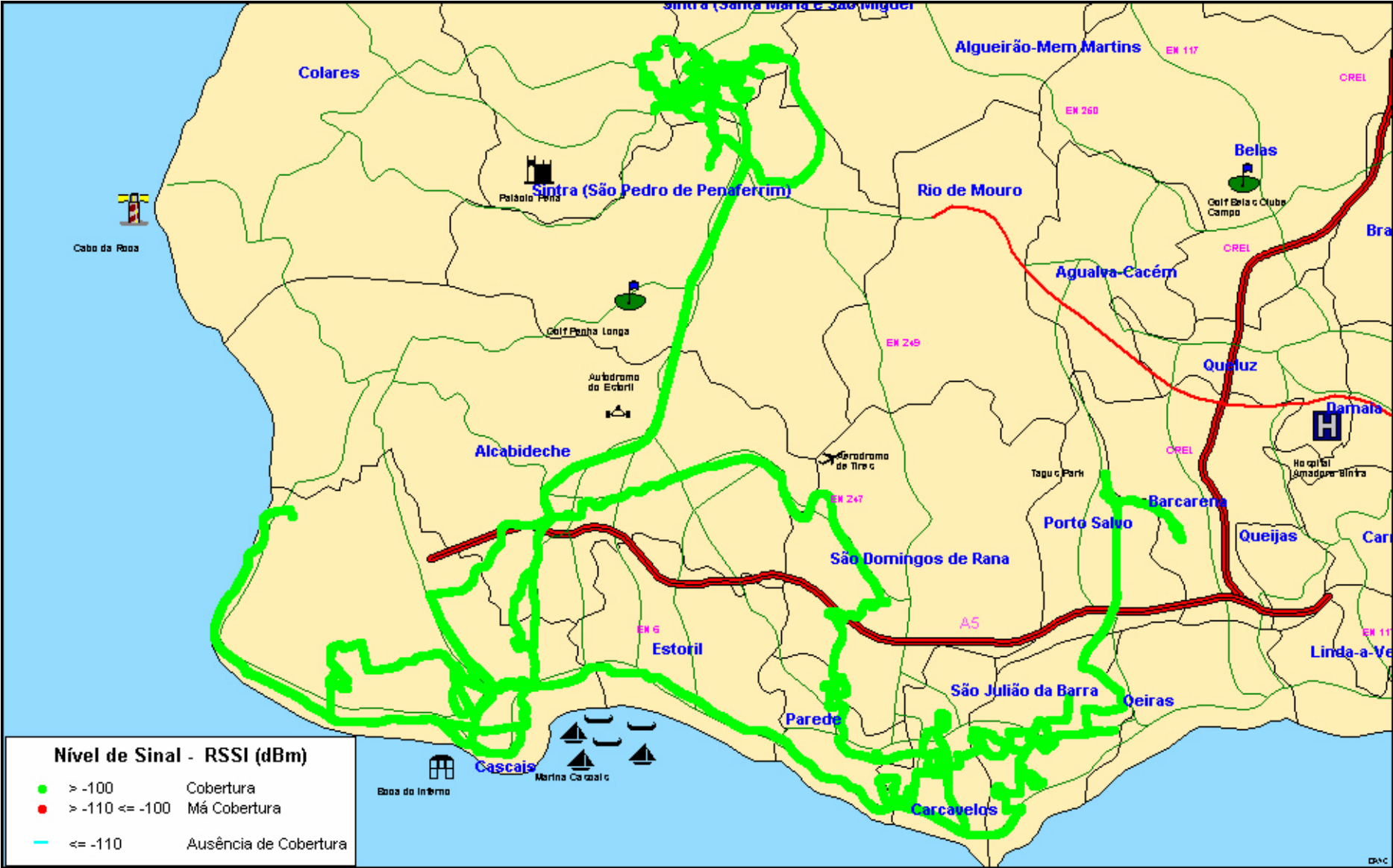
AMADORA, QUELUZ E CACÉM

OPTIMUS - PSTN



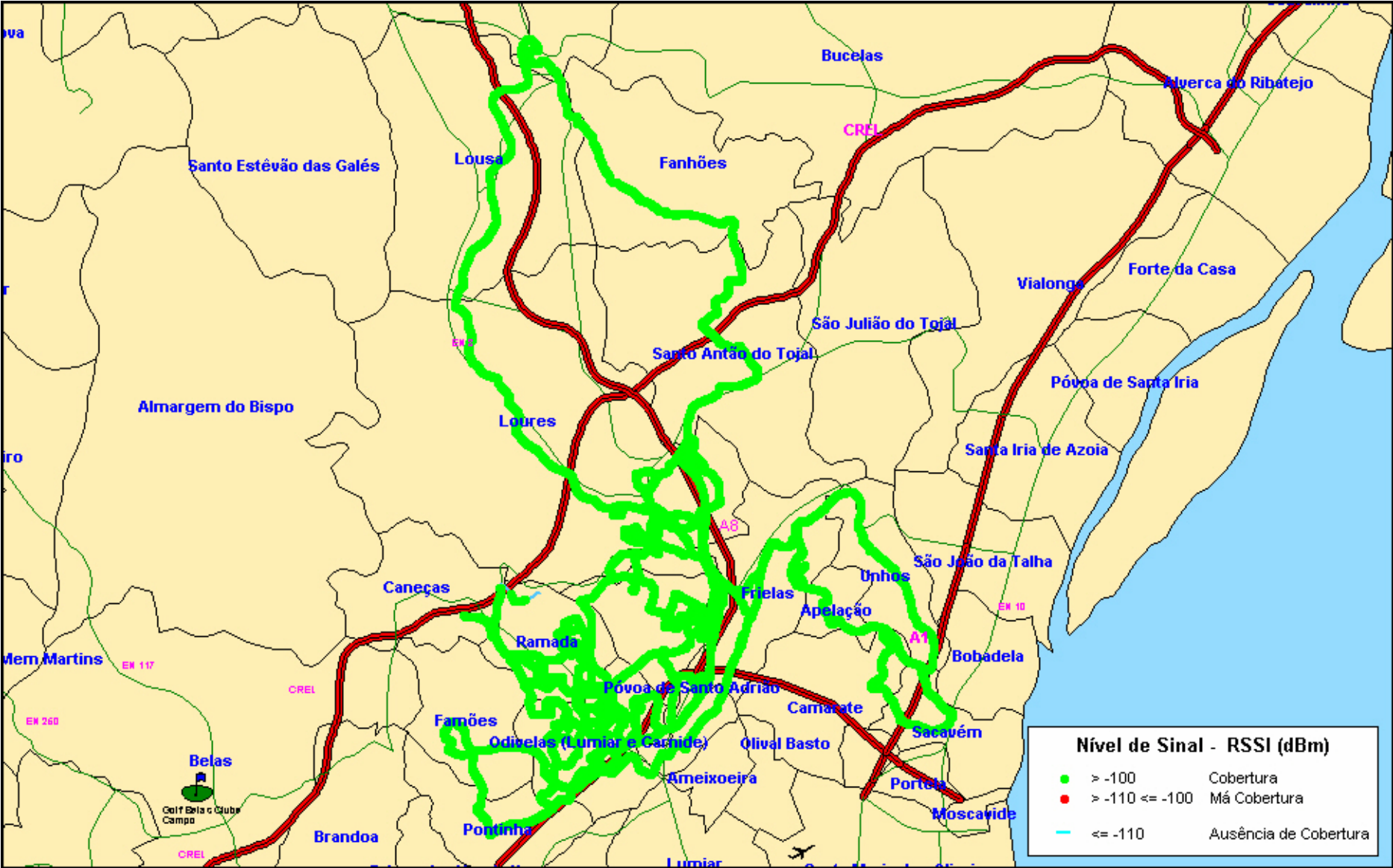
SINTRA, CASCAIS E OEIRAS

OPTIMUS - PSTN



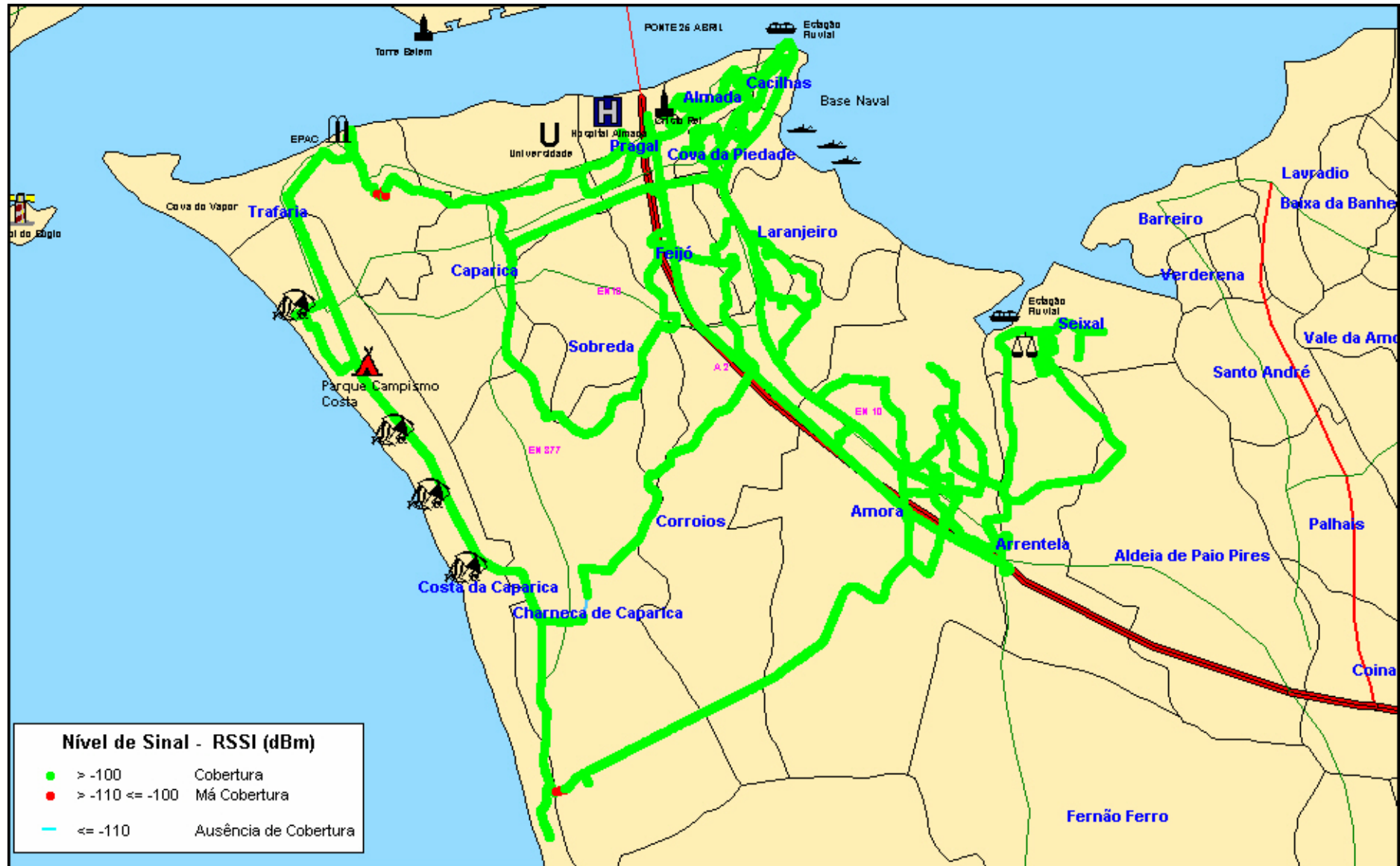
LOURES E ODIVELAS

OPTIMUS - PSTN



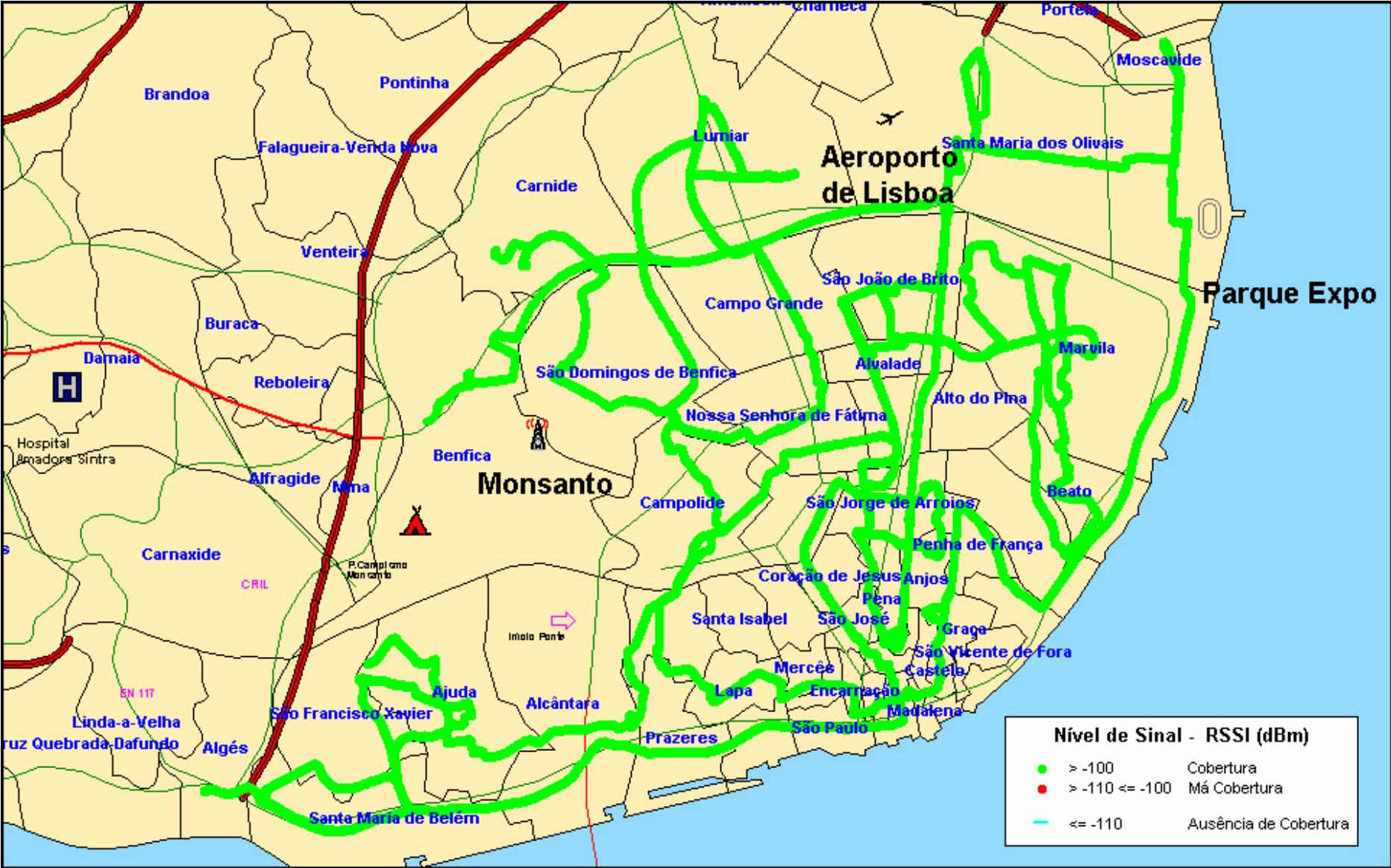
ALMADA E SEIXAL

OPTIMUS – PSTN



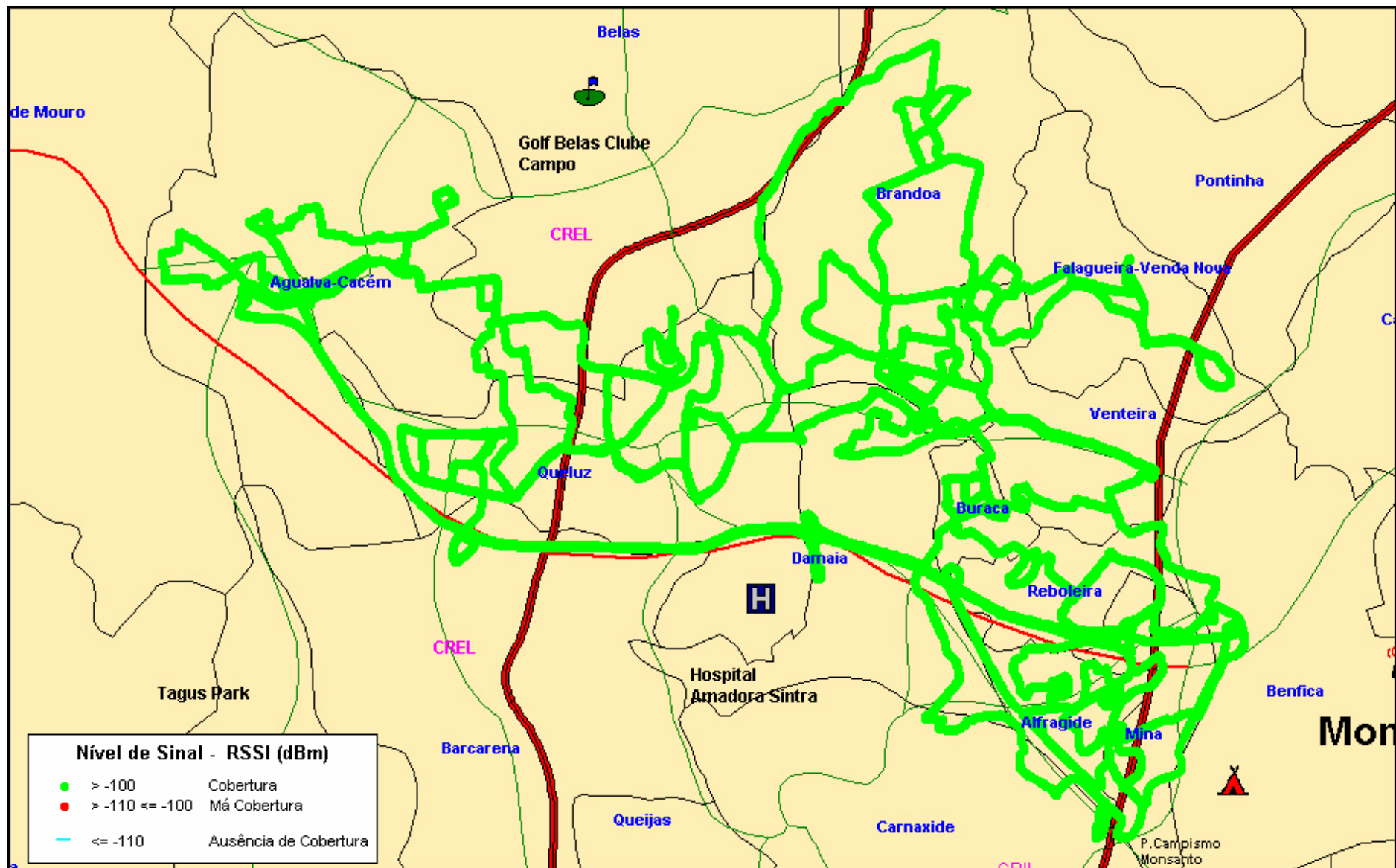
LISBON

VODAFONE - PSTN



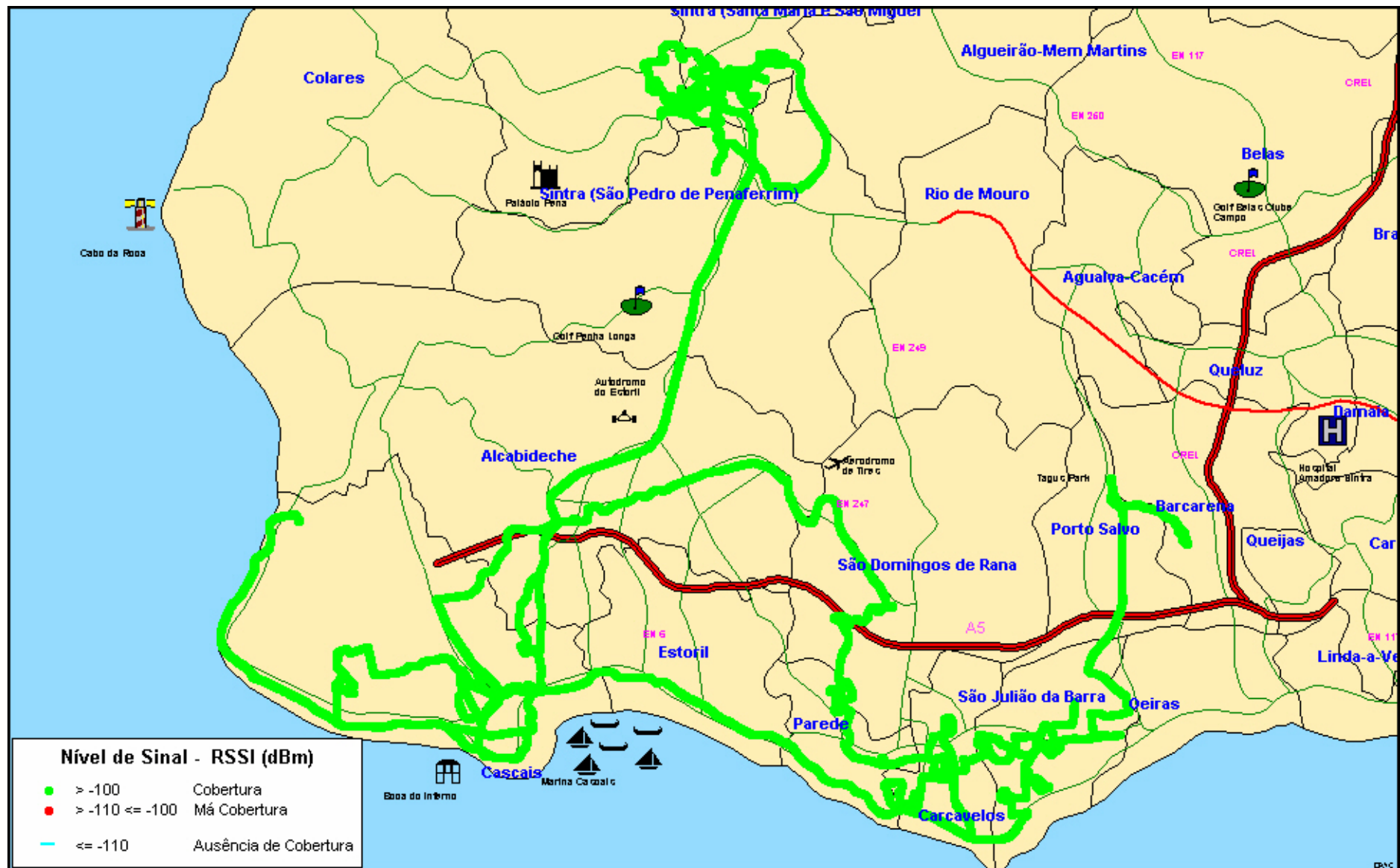
AMADORA, QUELUZ E CACÉM

VODAFONE - PSTN



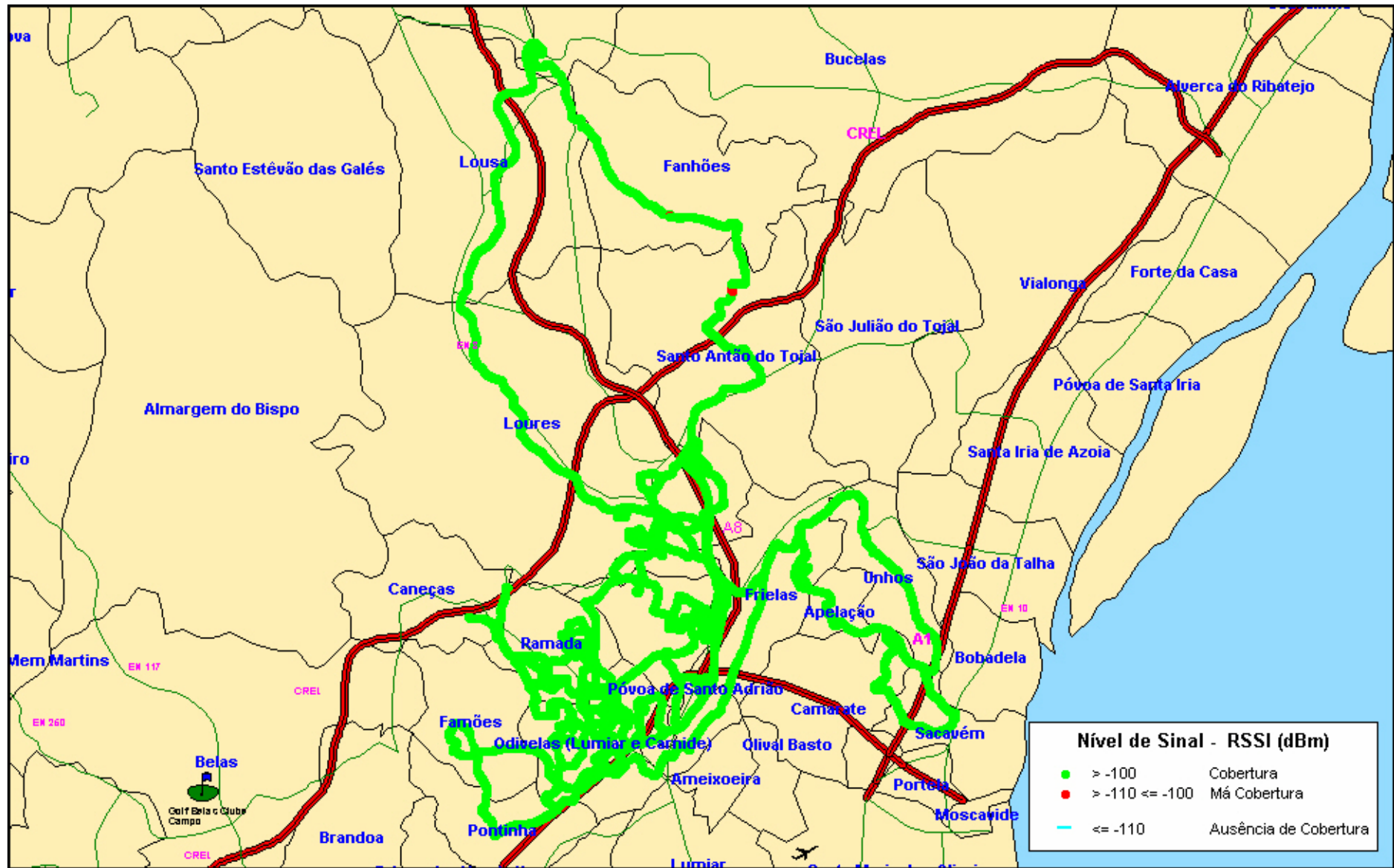
SINTRA, CASCAIS E OEIRAS

VODAFONE - PSTN



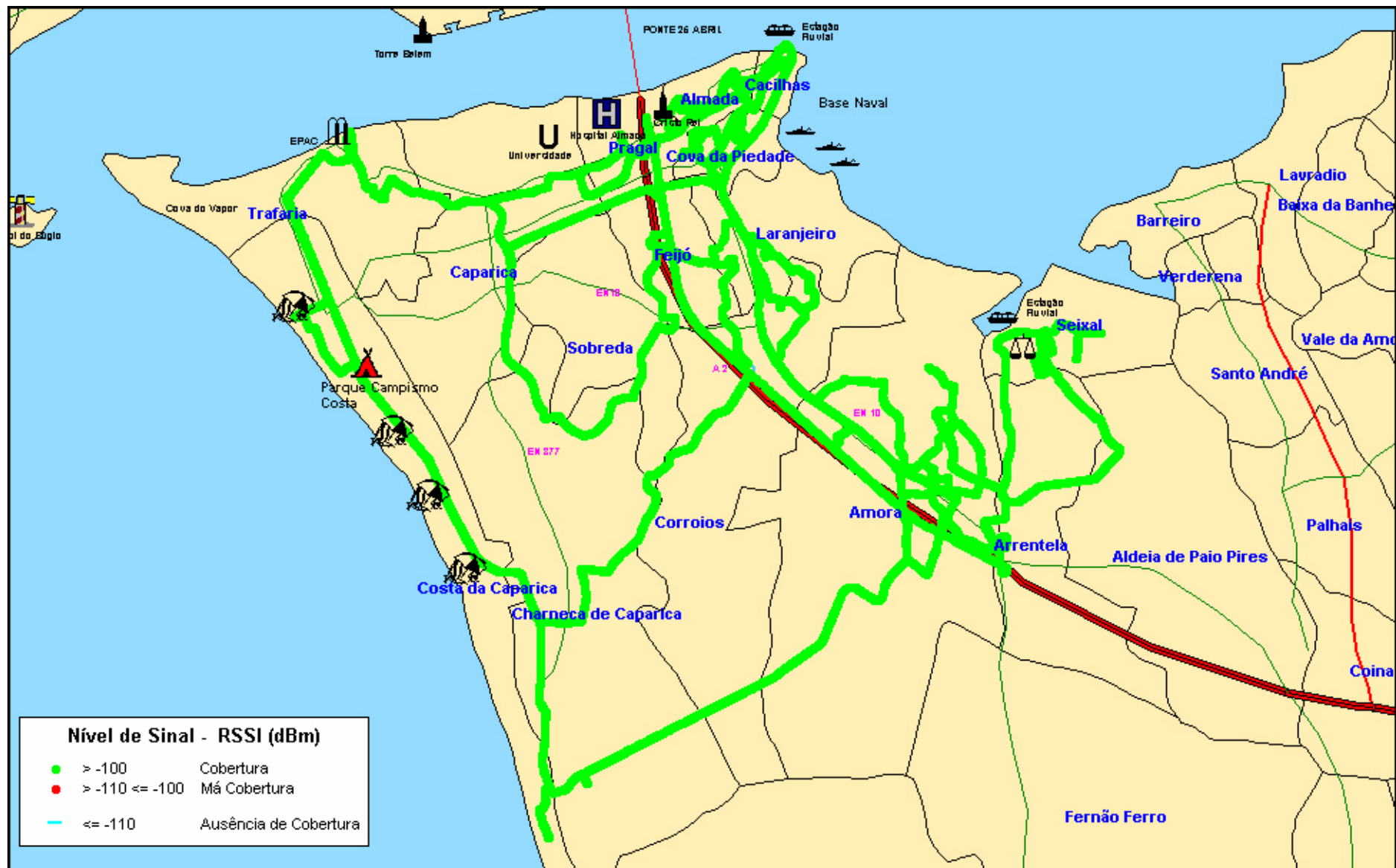
LOURES E ÓDIVELAS

VODAFONE - PSTN



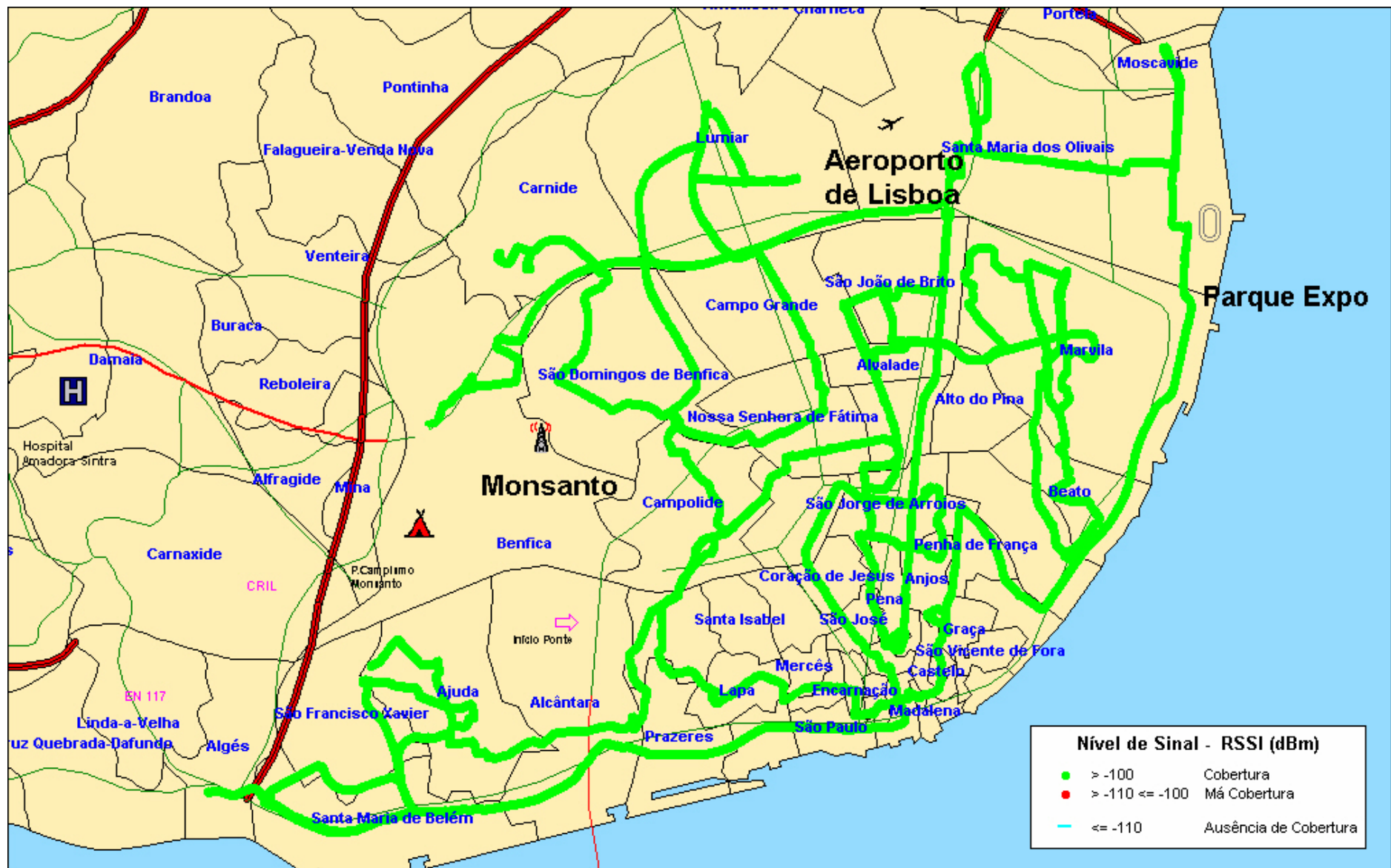
ALMADA E SEIXAL

VODAFONE - PSTN



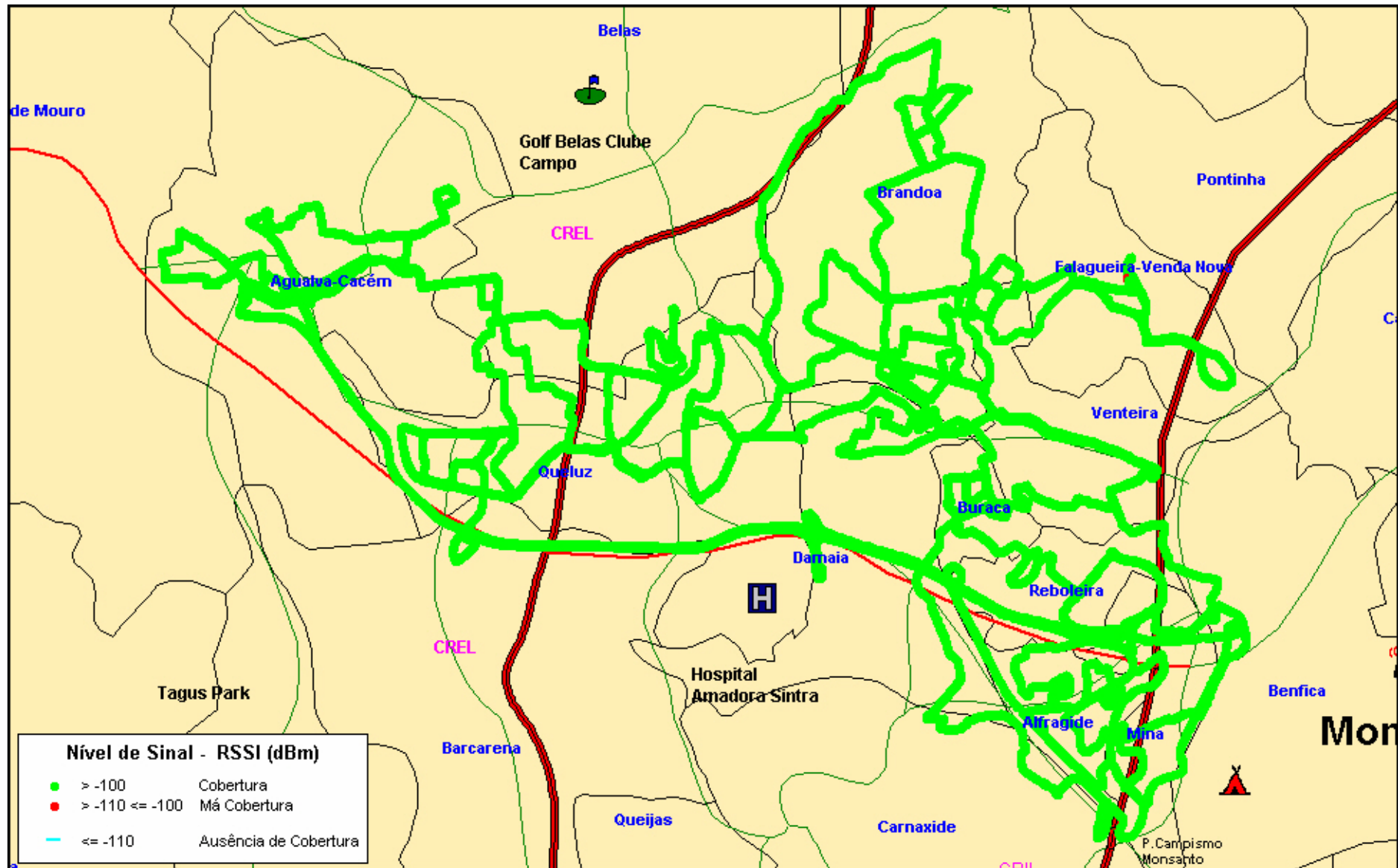
LISBON

TMN - PSTN



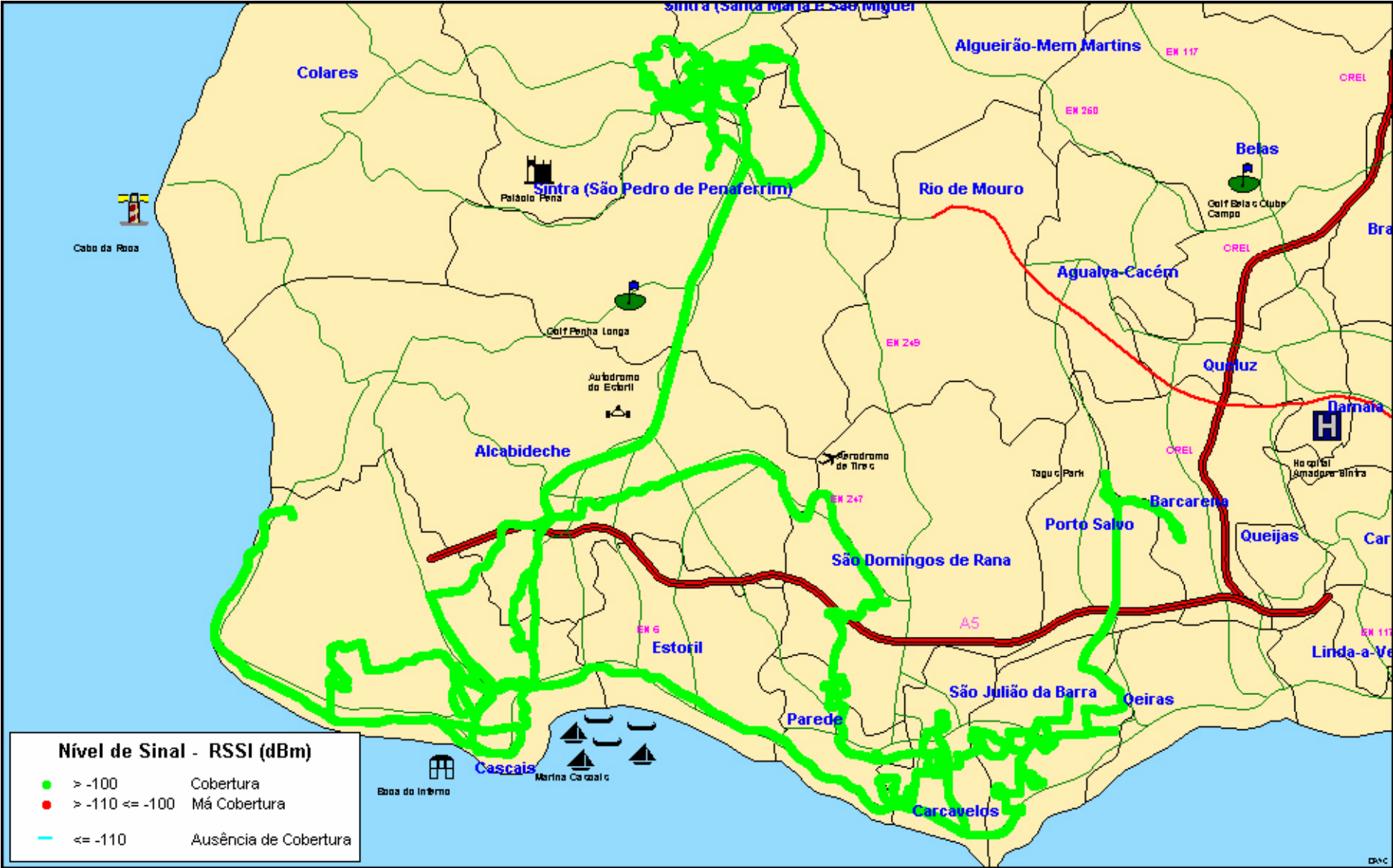
AMADORA, QUELUZ E CACÉM

TMN - PSTN



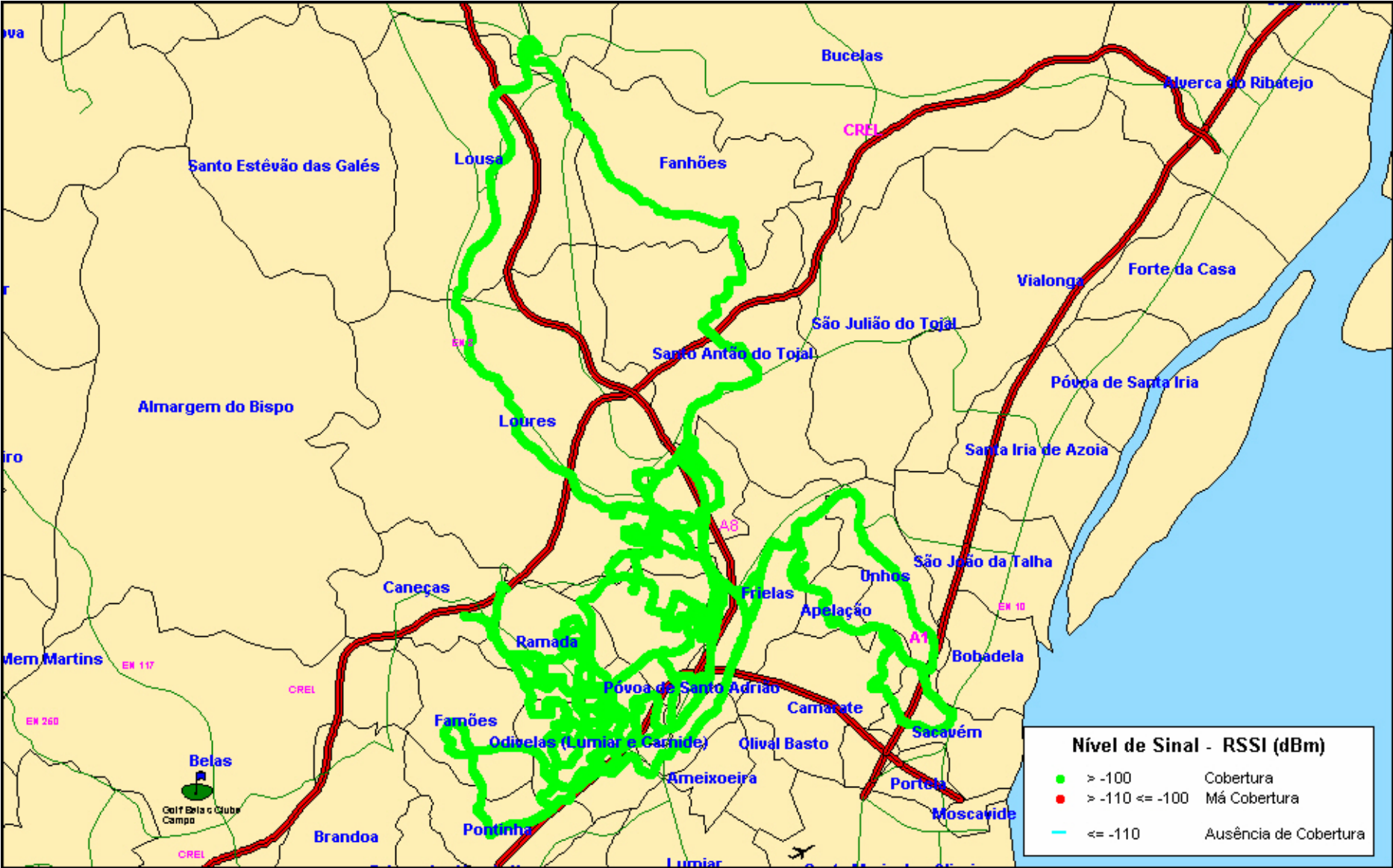
SINTRA, CASCAIS E OEIRAS

TMN - PSTN



LOURES E ODIVELAS

TMN - PSTN



ALMADA E SEIXAL

TMN - PSTN

