

### 3 STUDY SAMPLE

A sample representing the use of these services in the autonomous regions of the Azores and Madeira was chosen for a proper assessment of the quality of Voice (GSM), Video-telephony (UMTS) and Network Coverage (GSM and WCDMA).

#### 3.1 TESTED AREAS

Tests were carried out in the main urban agglomerations of these archipelagos – Ponta Delgada, Angra do Heroísmo and Funchal – as well as in all islands' major roads.

#### 3.2 SAMPLE SIZE

Table 3 – Sample, for the three analysed operators

		Hours of Measurements	Voice Calls	Video-telephony Calls	Coverage Measurements		Measurements in Kilometres
					GSM	WCDMA	
Azores	Angra do Heroísmo	6 h 11	361	317	66.975	26.754	132
	Ponta Delgada	6 h 24	374	323	69.089	27.441	178
	Corvo Island	1 h 01	60	54	11.040	4.426	19
	Faial Island	6 h 02	355	308	66.728	26.759	230
	Flores Island	3 h 13	189	162	34.957	13.998	142
	Graciosa Island	3 h 08	189	166	34.823	13.960	188
	Pico Island	6 h 11	367	310	67.220	26.956	247
	S. Jorge Island	6 h 19	365	323	68.614	27.446	209
	S. Miguel Island	12 h 10	717	611	131.578	52.683	606
	Sta. Maria Island	3 h 40	214	183	39.625	15.827	129
	Terceira Island	6 h 16	371	319	67.849	25.877	305
Total A. R. Azores		60 h 35	3.562	3.076	658.498	262.127	2.385
Madeira	Funchal	6 h 15	366	312	66.819	26.738	161
	Madeira Island	12 h 50	739	646	138.194	55.487	566
	Porto Santo Island	3 h 25	201	174	36.614	14.528	157
	Total A. R. Madeira		22 h 30	1.306	1.132	241.627	96.753
Overall Total		83 h 05	4.868	4.208	900.125	358.880	3.269

#### 3.3 DATA COLLECTION CONDITIONS

Measurement sessions were carried out during normal working day periods.