



Office of Utility Regulation

Audit of Emissions from Radio Masts

Information Notice

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Office of Utility Regulation

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1. Introduction

In July 2008, the OUR published a full audit of all mast sites operated by licensed operators in the Bailiwick of Guernsey. The audit focused on whether the guidelines that operators are required to comply with remain the most appropriate standard for the Bailiwick and included an assessment of operators' processes and procedures. The details were published in the OUR report OUR 08/13, "Audit of Emissions from Radio Masts" Information Notice (July 2008). In the 2008 audit all sites complied fully with the guidelines applied, the International Commission for Non-Ionising Radiation Protection's ("ICNIRP") guidelines. Following on from that work, a further spot-check of 15 sites was carried out in April 2009.

This report presents the results of the most recent audit. It confirms that all 15 sites audited comply with the ICNIRP guidelines on emission levels.

The OUR believes it is important that the operators' compliance with their obligations is assessed and the results of that assessment are made public. In the DG's opinion it is the publication of the results of the individual site audits which will help provide as much reassurance as possible to the public on the degree to which radio equipment operated by the telecoms operators comply with standards designed to ensure the safety and wellbeing of the general public.

The individual site reports are available on the OUR's website – www.regutil.gg – and an overview of the location and summary information on each site can be found on Digimap – www.maps.digimap.gg. The Digimap information contains site location information, a photograph of the mast structure and summary emission level information.

The audit has been undertaken on behalf of the OUR by Red-M. Red-M is independent of operators and equipment vendors and provides a range of services connected with the provision of telecommunications services, with particular emphasis on mobile cellular systems. It has provided services to a range of clients including cellular operators, cellular equipment manufacturers, local councils and private individuals.

The DG would like to thank all the mobile operators for their co-operation and assistance to both the OUR and to Red-M.

The OUR intends to undertake a spot-check of a further 15 sites in 2010.

2. Sites in the Bailiwick of Guernsey

There are currently 71 sites across the Bailiwick, 68 of which were operational at the time of the audit (compared with 66 when the 2008 audit was conducted). For this audit, 15 sites were selected.

Table 1 below lists the sites surveyed as part of this audit. There is an individual detailed report available for each site providing significantly more detailed information on the audit at each site

on the OUR website (www.regutil.gg) and a summary of the information is also available on the Digimap site (www.digimap.gg).

A list of the sites audited and the results of the highest reading recorded at each site is listed in **Table 1** below.

Site Name	Site Address	Parish	Site Type	Suvey date	Survey time	Operator	Cumulative EQ Relative to
Airport Generator Shed	Rue des Landes	Forest	rooftop	27-Apr-09	14:55	GSM (Wave)	1\653
Airport Radar Tower	Rue des Landes	Forest	outdoor	27-Apr-09	14:25	GSM (C&W)	1\607
Airport Terminal - Main Concourse	Rue Des Landes,	Forest	indoor	27-Apr-09	15:33	DCS (Airtel)	1\296
Castel Hospital	La Neuve Rue	Castel	rooftop	28-Apr-09	12:45	GSM (Wave)	1/161
Centenary house	La Vrangue	St Peter Port	monopole	28-Apr-09	14:30	GSM (C&W)	1\33
Cobo Pumping station	Rue de la Saline	Castel	monopole	28-Apr-09	09:00	DCS (Airtel)	1/1248
Envoy House	La Vrangue	St Peter Port	indoor wall	28-Apr-09	15:45	GSM (C&W)	1\44
High St (C&W shop)	Waterloo House	St Peter Port	outdoor wall	30-Apr-09	11:30	GSM (C&W)	1\21
Jones & Bradburn	Braye Road Ind Est	Vale	monopole	28-Apr-09	11:10	DCS (Airtel)	1\3496
Little Sark	Clos de la Pointe	Sark	monopole	29-Apr-09	13:15	GSM (C&W)	1\65
La Moinerie		Sark	outdoor wall	29-Apr-09	14:45	GSM (C&W)	1\21
Maseline Harbour - Sark		Sark	outdoor wall	29-Apr-09	11:15	GSM (C&W)	1\14
Petit Bot	Petit Bot	Forest	monopole	30-Apr-09	14:25	GSM (C&W)	1/139
Regency	La Marette Road,	St Sampson	monopole	28-Apr-09	10:10	GSM (Wave)	1\252
TRS	Huberts Lane	St Peter Port	lattice	30-Apr-09	09:25	GSM (Wave)	1\1195