

## **Mobile Phone Base-Station Audit**

Audit site: Northampton College  
Booth Lane  
Northampton  
NN3 3RF

The Radiocommunications Agency (RA) is responsible for management of the civil radio spectrum in the UK. The Government has asked the RA to implement a national measurement programme to ensure that emissions from cellular base stations do not exceed the guidelines for public maximum exposure set by the International Commission on Non-Ionizing Radiation Protection (ICNIRP).

Electric field strength measurements made in various bands are referenced to and presented alongside the relevant ICNIRP public maximum exposure levels. On the left hand side of the results page(s) is a graphical representation of the radio spectrum surveyed at each location on the site. The green line on each graph indicates the ICNIRP guideline exposure level for that frequency band. To the right hand side of each graph is a table showing the ten highest level emissions recorded within a band.

Further explanation of the results and their context within the ICNIRP guidelines can be provided by the RA officers at the time of the audit or by contacting the RA on 020 7211 0211 or by e-mail at [rfaudit@ra.gsi.gov.uk](mailto:rfaudit@ra.gsi.gov.uk)

Results taken from all audit sites and further information on the audit programme can be found on the RA website at [www.radio.gov.uk](http://www.radio.gov.uk)

## Report Summary

As the radio spectrum is continually changing, these measurements can only provide information on the radio frequency (RF) conditions for the specific locations at the time of the survey.

The Radiocommunications Agency performed this survey of the RF emission environment prevailing in the vicinity of Northampton College on 12 March 2003.

The following table, sorted in descending order of signal level, summarises the results obtained at each measurement location.

Summary of results:		
Location	Total Band Exposure	Relationship to ICNIRP Limit
Second floor landing - Design and Media block	8.70E-05	1/11498
Fire Assembly Point B	8.53E-05	1/11725
Academic & Continuing Studies - room 245	2.43E-05	1/41079
Outside Performing Arts Mobiles	2.40E-05	1/41627
Outside M6	1.06E-05	1/94248
Computer Suite CS2	4.03E-06	1/248409
Day Nursery entrance	2.70E-06	1/370265

Issued on behalf of the Radiocommunications Agency.

Issued by:

Received by:

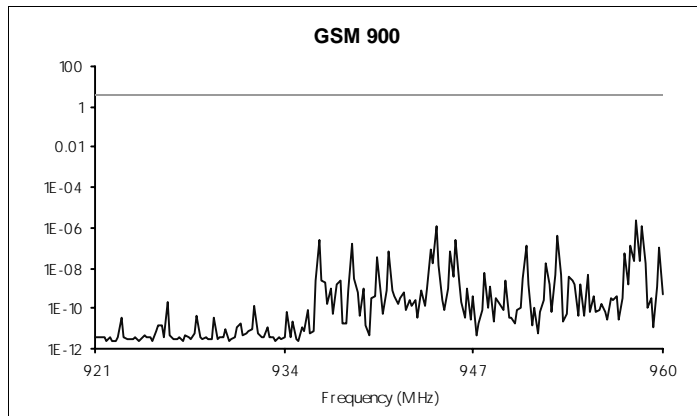
John Taylor  
Radiocommunications Specialist

Gary Brough  
Estates Manager

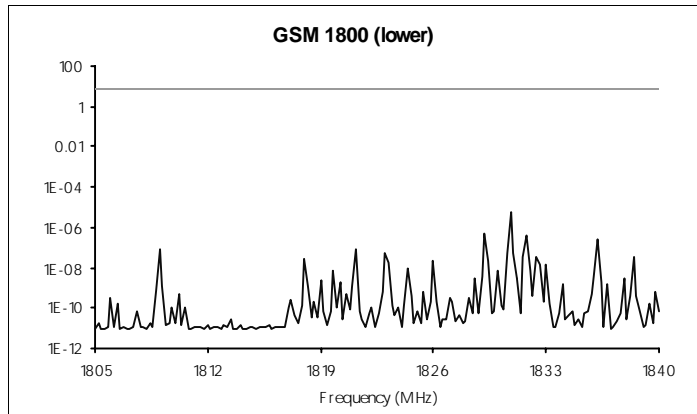
**Site:** Northampton College  
**Location:** Day Nursery entrance

**NGR:** SP 7865 6344 **Taken from GPS**  
**Start Time:** 12 March 2003 10:55:48  
**Officer:** John Taylor

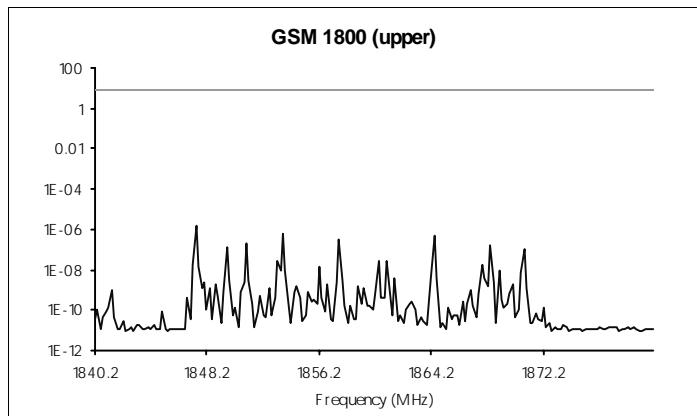
**Receiver:**  
Manufacturer: ROHDE&SCHWARZ  
Model: EB200  
Serial Number: 837.752/003  
**Antenna:**  
Manufacturer: Rohde & Schwarz  
Model: HE200  
Serial Number: 728264/025



Frequency (MHz)	Maximum Exposure (W/m <sup>2</sup> )	ICNIRP Limit (W/m <sup>2</sup> )	Frequency Exposure Quotient
958.200	2.20E-06	4.79	4.59E-07
944.400	1.28E-06	4.72	2.72E-07
958.600	1.10E-06	4.79	2.30E-07
952.800	4.33E-07	4.76	9.10E-08
936.400	2.63E-07	4.68	5.62E-08
945.800	2.57E-07	4.73	5.43E-08
938.600	1.59E-07	4.69	3.40E-08
950.600	1.33E-07	4.75	2.80E-08
957.800	1.29E-07	4.79	2.70E-08
959.800	1.16E-07	4.80	2.41E-08
<b>Band Exposure Quotient:</b>			<b>1.38E-06</b>



Frequency (MHz)	Maximum Exposure (W/m <sup>2</sup> )	ICNIRP Limit (W/m <sup>2</sup> )	Frequency Exposure Quotient
1,830.800	6.27E-06	9.15	6.85E-07
1,829.200	4.96E-07	9.15	5.43E-08
1,831.800	4.34E-07	9.16	4.74E-08
1,836.200	2.30E-07	9.18	2.50E-08
1,821.200	8.91E-08	9.11	9.79E-09
1,809.000	7.96E-08	9.04	8.80E-09
1,823.000	5.91E-08	9.12	6.48E-09
1,831.000	5.72E-08	9.15	6.25E-09
1,830.600	5.46E-08	9.15	5.96E-09
1,831.600	3.70E-08	9.16	4.04E-09
<b>Band Exposure Quotient:</b>			<b>8.81E-07</b>



Frequency (MHz)	Maximum Exposure (W/m <sup>2</sup> )	ICNIRP Limit (W/m <sup>2</sup> )	Frequency Exposure Quotient
1,847.400	1.66E-06	9.24	1.79E-07
1,853.600	6.83E-07	9.27	7.37E-08
1,864.400	5.40E-07	9.32	5.79E-08
1,857.600	2.93E-07	9.29	3.16E-08
1,851.000	2.10E-07	9.26	2.27E-08
1,868.400	1.57E-07	9.34	1.68E-08
1,849.600	1.45E-07	9.25	1.57E-08
1,870.800	1.09E-07	9.35	1.16E-08
1,853.200	3.05E-08	9.27	3.29E-09
1,861.000	2.75E-08	9.30	2.96E-09
<b>Band Exposure Quotient:</b>			<b>4.37E-07</b>

Total number of measurements: 572

**Total Band Exposure Quotient:** **2.70E-06**

**Site:** Northampton College

**Location:** Outside M6

**NGR:** SP 7881 6342 **Taken from GPS**

**Start Time:** 12 March 2003 11:14:52

**Officer:** John Taylor

**Receiver:**

Manufacturer: ROHDE&SCHWARZ

Model: EB200

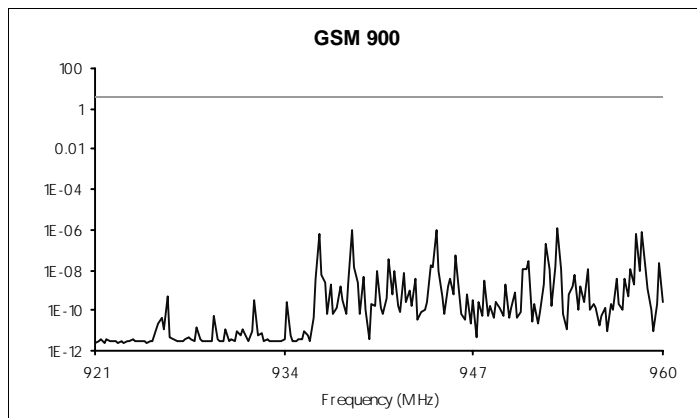
Serial Number: 837.752/003

**Antenna:**

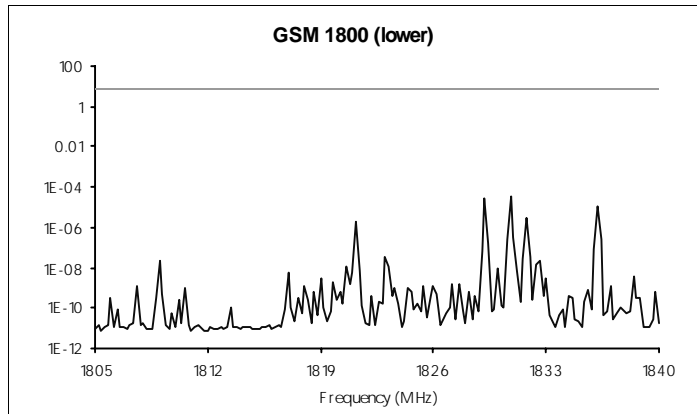
Manufacturer: Rohde & Schwarz

Model: HE200

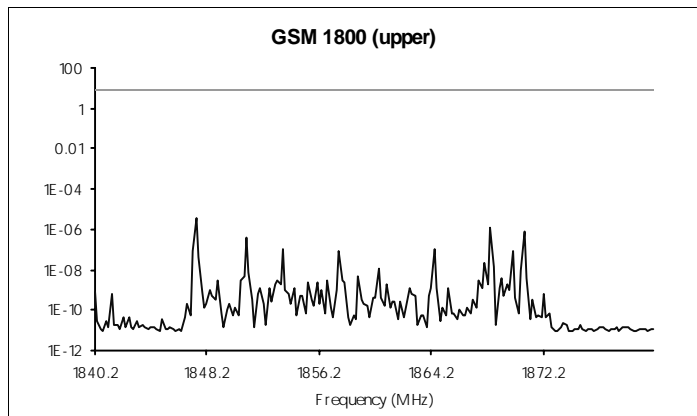
Serial Number: 728264/025



Frequency (MHz)	Maximum Exposure (W/m <sup>2</sup> )	ICNIRP Limit (W/m <sup>2</sup> )	Frequency Exposure Quotient
952.800	1.19E-06	4.76	2.51E-07
944.400	9.96E-07	4.72	2.11E-07
938.600	8.97E-07	4.69	1.91E-07
958.600	7.99E-07	4.79	1.67E-07
958.200	6.49E-07	4.79	1.35E-07
936.400	5.76E-07	4.68	1.23E-07
952.000	1.89E-07	4.76	3.97E-08
945.800	5.75E-08	4.73	1.22E-08
941.200	3.20E-08	4.71	6.80E-09
950.800	2.92E-08	4.75	6.13E-09
<b>Band Exposure Quotient:</b>			<b>1.20E-06</b>



Frequency (MHz)	Maximum Exposure (W/m <sup>2</sup> )	ICNIRP Limit (W/m <sup>2</sup> )	Frequency Exposure Quotient
1,830.800	3.29E-05	9.15	3.59E-06
1,829.200	2.99E-05	9.15	3.27E-06
1,836.200	1.05E-05	9.18	1.14E-06
1,831.800	2.87E-06	9.16	3.13E-07
1,821.200	1.99E-06	9.11	2.19E-07
1,831.000	3.45E-07	9.15	3.76E-08
1,836.400	2.76E-07	9.18	3.01E-08
1,830.600	2.55E-07	9.15	2.79E-08
1,829.400	1.61E-07	9.15	1.76E-08
1,836.000	7.78E-08	9.18	8.48E-09
<b>Band Exposure Quotient:</b>			<b>8.70E-06</b>



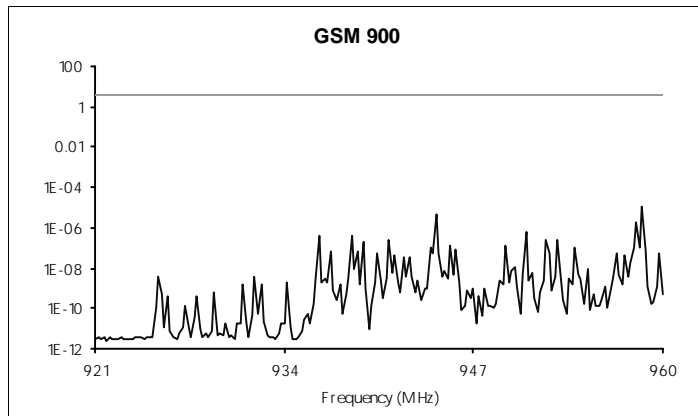
Frequency (MHz)	Maximum Exposure (W/m <sup>2</sup> )	ICNIRP Limit (W/m <sup>2</sup> )	Frequency Exposure Quotient
1,847.400	3.54E-06	9.24	3.84E-07
1,868.400	1.33E-06	9.34	1.43E-07
1,870.800	7.03E-07	9.35	7.52E-08
1,851.000	3.91E-07	9.26	4.23E-08
1,864.400	9.82E-08	9.32	1.05E-08
1,853.600	9.42E-08	9.27	1.02E-08
1,847.200	9.11E-08	9.24	9.86E-09
1,870.000	8.64E-08	9.35	9.24E-09
1,857.600	7.71E-08	9.29	8.30E-09
1,847.600	3.89E-08	9.24	4.21E-09
<b>Band Exposure Quotient:</b>			<b>7.13E-07</b>

Total number of measurements: 572

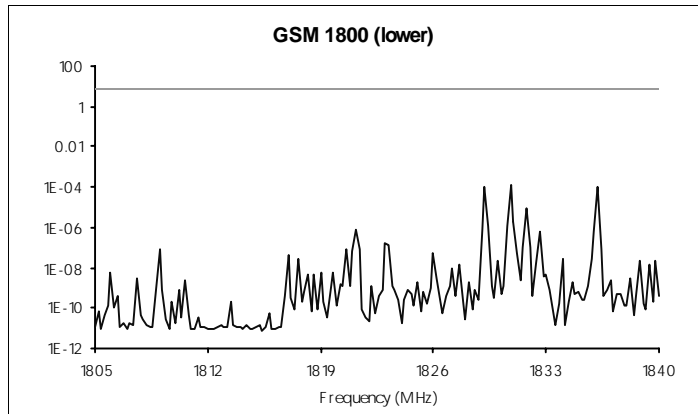
**Total Band Exposure Quotient:** **1.06E-05**

**Site:** Northampton College  
**Location:** Second floor landing - Design and Media block  
**NGR:** SP 7880 6354 **Taken from GPS**  
**Start Time:** 12 March 2003 11:36:59  
**Officer:** John Taylor

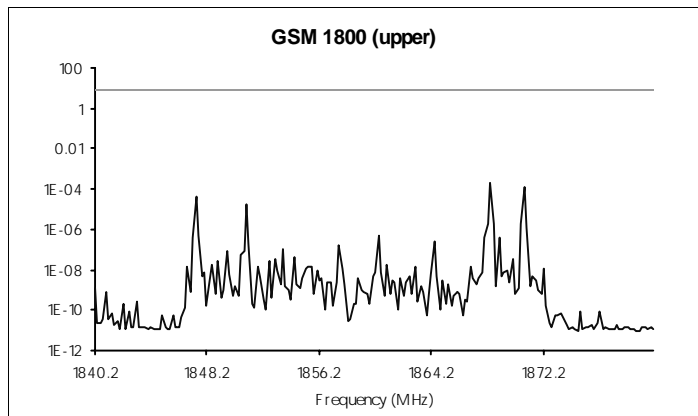
**Receiver:**  
 Manufacturer: ROHDE&SCHWARZ  
 Model: EB200  
 Serial Number: 837.752/003  
**Antenna:**  
 Manufacturer: Rohde & Schwarz  
 Model: HE200  
 Serial Number: 728264/025



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
958.600	1.08E-05	4.79	2.25E-06
944.400	4.77E-06	4.72	1.01E-06
958.200	1.87E-06	4.79	3.91E-07
950.600	6.23E-07	4.75	1.31E-07
938.600	4.29E-07	4.69	9.14E-08
936.400	4.17E-07	4.68	8.91E-08
952.000	2.67E-07	4.76	5.60E-08
941.200	2.60E-07	4.71	5.53E-08
952.800	2.61E-07	4.76	5.48E-08
939.400	1.97E-07	4.70	4.18E-08
<b>Band Exposure Quotient:</b>			<b>4.52E-06</b>



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,830.800	1.44E-04	9.15	1.57E-05
1,836.200	9.58E-05	9.18	1.04E-05
1,829.200	9.46E-05	9.15	1.03E-05
1,831.800	9.95E-06	9.16	1.09E-06
1,831.000	1.73E-06	9.15	1.89E-07
1,829.400	1.31E-06	9.15	1.43E-07
1,830.600	1.19E-06	9.15	1.30E-07
1,821.200	8.51E-07	9.11	9.34E-08
1,829.000	7.87E-07	9.14	8.60E-08
1,836.000	5.90E-07	9.18	6.43E-08
<b>Band Exposure Quotient:</b>			<b>3.85E-05</b>



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,868.400	2.07E-04	9.34	2.21E-05
1,870.800	1.34E-04	9.35	1.43E-05
1,847.400	4.16E-05	9.24	4.51E-06
1,851.000	1.75E-05	9.26	1.89E-06
1,868.600	2.02E-06	9.34	2.16E-07
1,868.200	1.93E-06	9.34	2.06E-07
1,870.600	1.81E-06	9.35	1.93E-07
1,871.000	1.22E-06	9.36	1.31E-07
1,860.400	5.49E-07	9.30	5.90E-08
1,847.600	4.57E-07	9.24	4.94E-08
<b>Band Exposure Quotient:</b>			<b>4.40E-05</b>

Total number of measurements: 572

**Total Band Exposure Quotient: 8.70E-05**

**Site:** Northampton College

**Location:** Computer Suite CS2

**NGR:** SP 7862 6348 **Taken from GPS**

**Start Time:** 12 March 2003 12:00:24

**Officer:** John Taylor

**Receiver:**

Manufacturer: ROHDE&SCHWARZ

Model: EB200

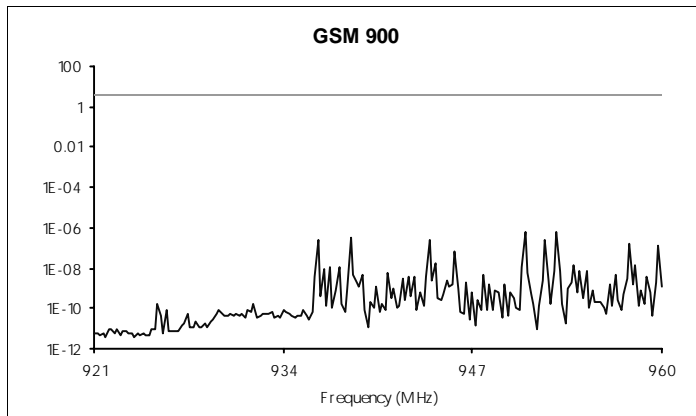
Serial Number: 837.752/003

**Antenna:**

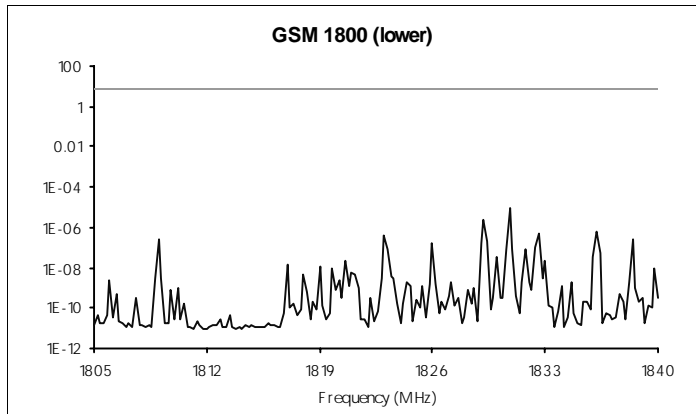
Manufacturer: Rohde & Schwarz

Model: HE200

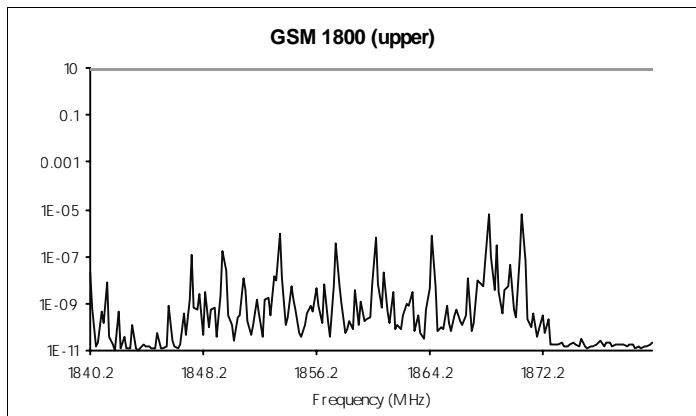
Serial Number: 728264/025



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
952.800	6.56E-07	4.76	1.38E-07
950.600	5.95E-07	4.75	1.25E-07
938.600	3.04E-07	4.69	6.47E-08
944.000	2.81E-07	4.72	5.94E-08
936.400	2.63E-07	4.68	5.62E-08
952.000	2.55E-07	4.76	5.35E-08
957.800	1.75E-07	4.79	3.64E-08
959.800	1.33E-07	4.80	2.77E-08
945.800	7.41E-08	4.73	1.57E-08
944.400	1.90E-08	4.72	4.02E-09
<b>Band Exposure Quotient:</b>			<b>6.24E-07</b>



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,830.800	8.65E-06	9.15	9.45E-07
1,829.200	2.55E-06	9.15	2.78E-07
1,836.200	6.94E-07	9.18	7.56E-08
1,832.600	4.55E-07	9.16	4.97E-08
1,823.000	3.64E-07	9.12	3.99E-08
1,809.000	2.40E-07	9.04	2.66E-08
1,838.400	2.36E-07	9.19	2.57E-08
1,829.400	2.02E-07	9.15	2.21E-08
1,829.000	1.76E-07	9.14	1.93E-08
1,826.000	1.60E-07	9.13	1.75E-08
<b>Band Exposure Quotient:</b>			<b>1.58E-06</b>



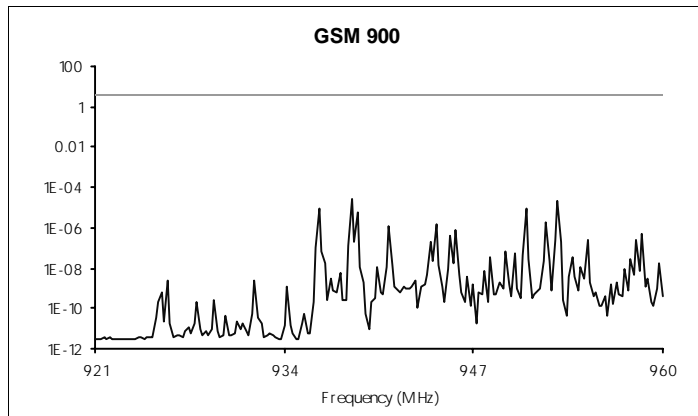
Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,868.400	6.69E-06	9.34	7.16E-07
1,870.800	6.41E-06	9.35	6.86E-07
1,853.600	9.21E-07	9.27	9.94E-08
1,864.400	7.63E-07	9.32	8.18E-08
1,860.400	6.30E-07	9.30	6.77E-08
1,857.600	3.78E-07	9.29	4.07E-08
1,869.000	2.99E-07	9.35	3.20E-08
1,849.600	1.78E-07	9.25	1.93E-08
1,847.400	1.12E-07	9.24	1.21E-08
1,868.600	9.45E-08	9.34	1.01E-08
<b>Band Exposure Quotient:</b>			<b>1.82E-06</b>

Total number of measurements: 572

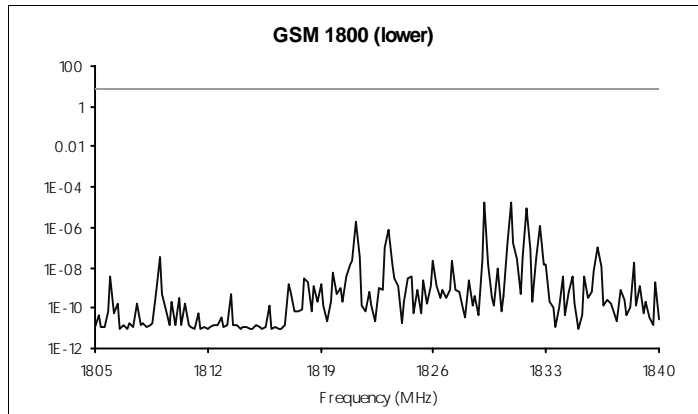
**Total Band Exposure Quotient:** **4.03E-06**

**Site:** Northampton College  
**Location:** Academic & Continuing Studies - room 245  
**NGR:** SP 7862 6342 **Taken from GPS**  
**Start Time:** 12 March 2003 12:51:58  
**Officer:** John Taylor

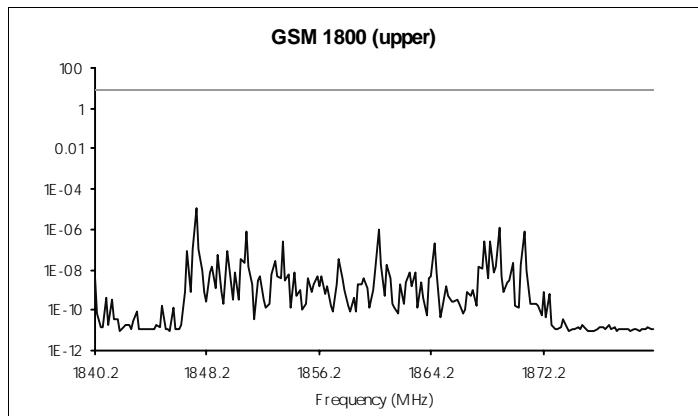
**Receiver:**  
 Manufacturer: ROHDE&SCHWARZ  
 Model: EB200  
 Serial Number: 837.752/003  
**Antenna:**  
 Manufacturer: Rohde & Schwarz  
 Model: HE200  
 Serial Number: 728264/025



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
938.600	2.65E-05	4.69	5.64E-06
952.800	2.22E-05	4.76	4.66E-06
950.600	9.65E-06	4.75	2.03E-06
936.400	8.72E-06	4.68	1.86E-06
939.000	6.35E-06	4.70	1.35E-06
952.000	2.07E-06	4.76	4.35E-07
944.400	1.65E-06	4.72	3.50E-07
941.200	1.11E-06	4.71	2.36E-07
945.800	7.24E-07	4.73	1.53E-07
958.600	4.93E-07	4.79	1.03E-07
<b>Band Exposure Quotient:</b>			<b>1.74E-05</b>



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,829.200	1.72E-05	9.15	1.88E-06
1,830.800	1.57E-05	9.15	1.72E-06
1,831.800	9.72E-06	9.16	1.06E-06
1,821.200	2.04E-06	9.11	2.24E-07
1,832.600	1.25E-06	9.16	1.37E-07
1,823.200	6.94E-07	9.12	7.61E-08
1,831.000	1.81E-07	9.15	1.98E-08
1,830.600	1.34E-07	9.15	1.46E-08
1,823.000	1.00E-07	9.12	1.10E-08
1,836.200	9.58E-08	9.18	1.04E-08
<b>Band Exposure Quotient:</b>			<b>5.21E-06</b>



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,847.400	1.07E-05	9.24	1.16E-06
1,869.000	1.09E-06	9.35	1.16E-07
1,860.400	9.11E-07	9.30	9.79E-08
1,851.000	8.17E-07	9.26	8.83E-08
1,870.800	7.36E-07	9.35	7.87E-08
1,868.000	2.85E-07	9.34	3.05E-08
1,853.600	2.42E-07	9.27	2.61E-08
1,868.400	2.32E-07	9.34	2.48E-08
1,864.400	2.01E-07	9.32	2.15E-08
1,847.200	9.76E-08	9.24	1.06E-08
<b>Band Exposure Quotient:</b>			<b>1.74E-06</b>

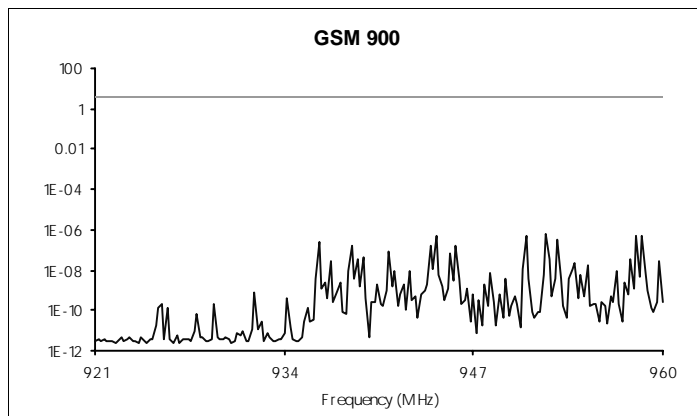
Total number of measurements: 572

**Total Band Exposure Quotient:** **2.43E-05**

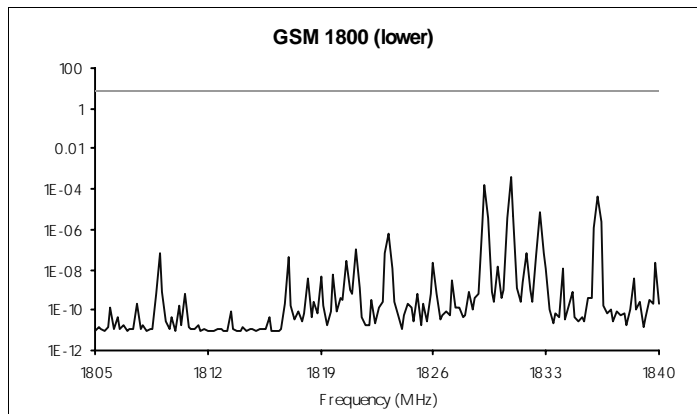
**Site:** Northampton College  
**Location:** Fire Assembly Point B

**NGR:** SP 7861 6354 **Taken from GPS**  
**Start Time:** 12 March 2003 13:06:37  
**Officer:** John Taylor

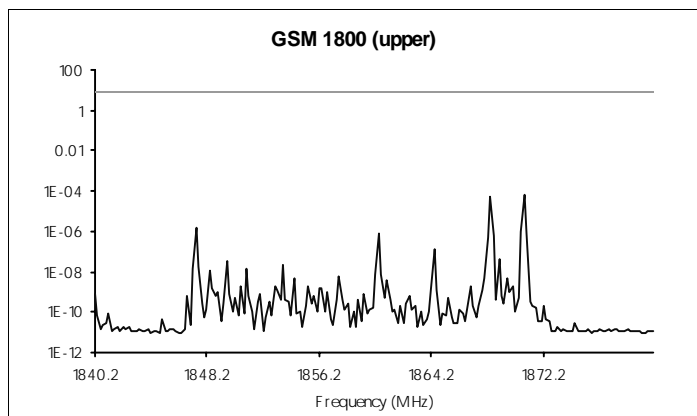
**Receiver:**  
Manufacturer: ROHDE&SCHWARZ  
Model: EB200  
Serial Number: 837.752/003  
**Antenna:**  
Manufacturer: Rohde & Schwarz  
Model: HE200  
Serial Number: 728264/025



Frequency (MHz)	Maximum Exposure (W/m <sup>2</sup> )	ICNIRP Limit (W/m <sup>2</sup> )	Frequency Exposure Quotient
952.000	5.70E-07	4.76	1.20E-07
950.600	5.07E-07	4.75	1.07E-07
958.200	4.92E-07	4.79	1.03E-07
944.400	4.66E-07	4.72	9.87E-08
958.600	4.49E-07	4.79	9.38E-08
952.800	3.29E-07	4.76	6.90E-08
936.400	2.82E-07	4.68	6.03E-08
945.800	1.70E-07	4.73	3.59E-08
938.600	1.67E-07	4.69	3.56E-08
944.000	1.65E-07	4.72	3.50E-08
<b>Band Exposure Quotient:</b>			<b>8.78E-07</b>



Frequency (MHz)	Maximum Exposure (W/m <sup>2</sup> )	ICNIRP Limit (W/m <sup>2</sup> )	Frequency Exposure Quotient
1,830.800	4.14E-04	9.15	4.52E-05
1,829.200	1.57E-04	9.15	1.72E-05
1,836.200	4.48E-05	9.18	4.88E-06
1,832.600	6.43E-06	9.16	7.02E-07
1,831.000	4.44E-06	9.15	4.85E-07
1,830.600	3.61E-06	9.15	3.94E-07
1,829.400	3.44E-06	9.15	3.76E-07
1,836.400	2.14E-06	9.18	2.34E-07
1,829.000	2.02E-06	9.14	2.21E-07
1,836.000	1.32E-06	9.18	1.44E-07
<b>Band Exposure Quotient:</b>			<b>7.00E-05</b>



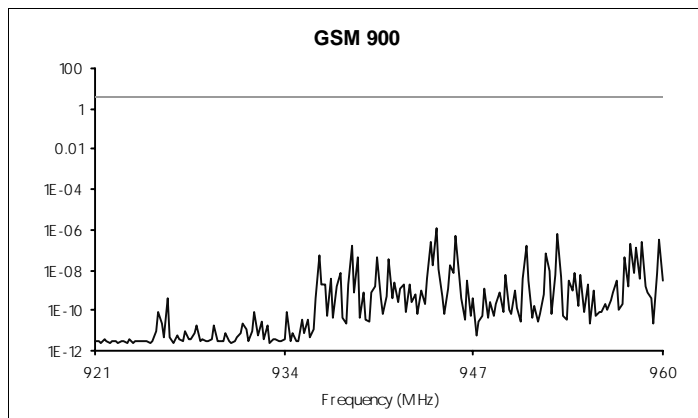
Frequency (MHz)	Maximum Exposure (W/m <sup>2</sup> )	ICNIRP Limit (W/m <sup>2</sup> )	Frequency Exposure Quotient
1,870.800	7.36E-05	9.35	7.87E-06
1,868.400	5.56E-05	9.34	5.95E-06
1,847.400	1.58E-06	9.24	1.71E-07
1,870.600	9.48E-07	9.35	1.01E-07
1,860.400	8.50E-07	9.30	9.14E-08
1,871.000	8.08E-07	9.36	8.63E-08
1,868.600	6.69E-07	9.34	7.16E-08
1,868.200	4.84E-07	9.34	5.19E-08
1,864.400	1.21E-07	9.32	1.30E-08
1,869.000	4.74E-08	9.35	5.07E-09
<b>Band Exposure Quotient:</b>			<b>1.44E-05</b>

Total number of measurements: 572

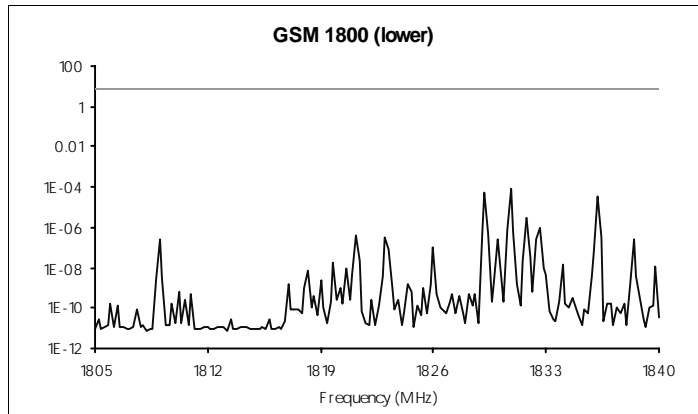
**Total Band Exposure Quotient:** **8.53E-05**

**Site:** Northampton College  
**Location:** Outside Performing Arts Mobiles  
**NGR:** SP 7870 6350 **Taken from GPS**  
**Start Time:** 12 March 2003 13:20:34  
**Officer:** John Taylor

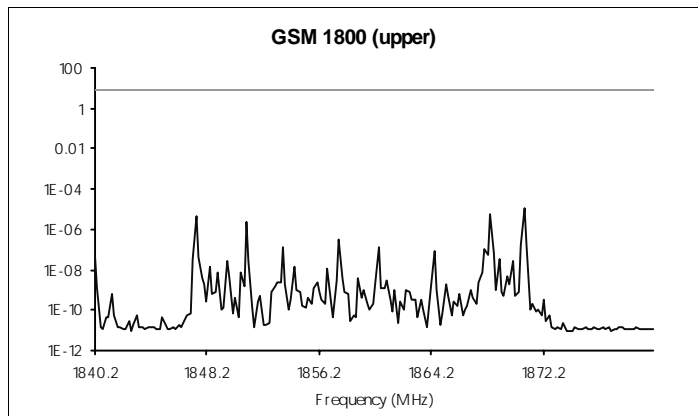
**Receiver:**  
 Manufacturer: ROHDE&SCHWARZ  
 Model: EB200  
 Serial Number: 837.752/003  
**Antenna:**  
 Manufacturer: Rohde & Schwarz  
 Model: HE200  
 Serial Number: 728264/025



Frequency (MHz)	Maximum Exposure (W/m <sup>2</sup> )	ICNIRP Limit (W/m <sup>2</sup> )	Frequency Exposure Quotient
944.400	1.12E-06	4.72	2.37E-07
952.800	5.58E-07	4.76	1.17E-07
945.800	4.46E-07	4.73	9.44E-08
959.800	2.91E-07	4.80	6.06E-08
944.000	2.62E-07	4.72	5.55E-08
958.600	2.36E-07	4.79	4.92E-08
957.800	2.10E-07	4.79	4.38E-08
950.600	1.64E-07	4.75	3.45E-08
938.600	1.49E-07	4.69	3.17E-08
958.200	1.21E-07	4.79	2.52E-08
<b>Band Exposure Quotient:</b>			<b>8.48E-07</b>



Frequency (MHz)	Maximum Exposure (W/m <sup>2</sup> )	ICNIRP Limit (W/m <sup>2</sup> )	Frequency Exposure Quotient
1,830.800	8.65E-05	9.15	9.45E-06
1,829.200	5.83E-05	9.15	6.38E-06
1,836.200	3.40E-05	9.18	3.70E-06
1,831.800	2.80E-06	9.16	3.06E-07
1,832.600	8.88E-07	9.16	9.69E-08
1,830.600	7.03E-07	9.15	7.68E-08
1,831.000	6.57E-07	9.15	7.17E-08
1,829.000	6.11E-07	9.14	6.68E-08
1,829.400	4.74E-07	9.15	5.19E-08
1,821.200	3.89E-07	9.11	4.27E-08
<b>Band Exposure Quotient:</b>			<b>2.05E-05</b>



Frequency (MHz)	Maximum Exposure (W/m <sup>2</sup> )	ICNIRP Limit (W/m <sup>2</sup> )	Frequency Exposure Quotient
1,870.800	1.09E-05	9.35	1.16E-06
1,868.400	5.96E-06	9.34	6.38E-07
1,847.400	4.46E-06	9.24	4.83E-07
1,851.000	2.25E-06	9.26	2.43E-07
1,857.600	3.07E-07	9.29	3.31E-08
1,870.600	1.77E-07	9.35	1.89E-08
1,871.000	1.69E-07	9.36	1.80E-08
1,853.600	1.30E-07	9.27	1.40E-08
1,860.400	1.17E-07	9.30	1.26E-08
1,868.000	1.01E-07	9.34	1.08E-08
<b>Band Exposure Quotient:</b>			<b>2.70E-06</b>

Total number of measurements: 572

**Total Band Exposure Quotient:** **2.40E-05**

## Glossary

- Site:** The building or area around which sets of measurements are taken
- Location:** The position within a site at which a single set of measurements is taken. A set of measurements consists of multiple scans of many frequencies within a number of bands
- Band:** A portion of the electromagnetic spectrum reserved for specific radio services
- NGR:** The Ordnance Survey national grid reference coordinates of the location. In this survey NGRs are specified to 8-digit (10-metre) resolution. E.g. SJ 9755 9888
- GPS:** The Global Positioning System
- Start Time:** The date and time at which the receiver started taking its measurements at a location
- Officer:** The name of the RA representative who carried out the audit
- Receiver:** The receiver used to perform the measurements
- Antenna:** The antenna used to perform the measurements
- Exposure:** The maximum measured electric field strength (dB( $\mu$ V/m)) converted to an equivalent power density (W/m<sup>2</sup>)
- Power Density:** The electromagnetic energy flowing through a unit area normal to the direction of propagation in a unit time. Measured in Watts per square metre (W/m<sup>2</sup>)
- ICNIRP Limit:** The reference level given by the International Commission for Non-Ionizing Radiation Protection (ICNIRP) for general public exposure to electromagnetic fields

<i>Frequency</i>	<i>ICNIRP limit</i>	
10MHz to 400 MHz	2 W/m <sup>2</sup>	
400MHz to 2GHz	f / 200 W/m <sup>2</sup>	(where f is frequency in MHz)
2GHz to 300GHz	10 W/m <sup>2</sup>	

**Frequency Exposure Quotient:**

The ratio of the measured maximum power density to the ICNIRP limit at a given frequency. A value close to 1 signifies that exposure levels could be near to the ICNIRP limit for that frequency

**Band Exposure Quotient:**

The sum of the frequency exposure quotients for a single band at a location

**Total Band Exposure Quotient:**

The sum of the frequency exposure quotients for all of the measured bands at a location

- GSM:** Global System for Mobile communication
- ETACS:** Extended Total Access Communications
- TETRA:** Terrestrial Trunked Radio
- 3G:** Third Generation mobile-phone services

- 1.00E-03:** Exponential (or 'scientific') number format. Equal to one thousandth
- 1.00E-06:** Equal to one millionth
- 1.00E-09:** Equal to one thousand-millionth
- 1.00E-12:** Equal to one million-millionth