

Baldock Radio Station
Royston Road
Baldock
Herts SG7 6SH
01462 428500

Mobile Phone
Base-Station Audit

Audit Site: The King's High School for Girls
Warwick
CV34 4HJ

Work Performed by	
James Loughlin Field Manager	3G measurements & Report
Mike Reynolds Field Officer	3G measurements
John Taylor T.I. Officer	2G measurements & 2G Report
Dick Gilbert T.I. Officer	2G measurements

Distribution List	
Lloyd Tailby	1
Alistair Booth	1
John Taylor	1
Technical Manager	1
Case/Year file	2

The Office of Communications (Ofcom) took over the functions of the Radiocommunications Agency, the Independent Television Commission, and the Radio Authority (as well as the Office of Telecommunications and the Broadcasting Standards Commission) on 29th December 2003.

Ofcom is located at Riverside House, 2a Southwalk Bridge Road, London SE1 9HA. Tel: 020 7981 3000. Website: www.ofcom.org.uk

Baldock Radio Station forms part of the Operations Group of Ofcom. The station address remains at Royston Road, Baldock, Hertfordshire SG7 6SH.
Tel: 01462 428500, Fax: 01462 428510

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 Office of Communications (Ofcom), originally the Radiocommunications Agency performed this survey of the RF emission environment in the vicinity of the site of The King's High School for Girls on 18th February 2004. Both second generation (2G) and third generation (3G) base station emissions were measured separately and the signal levels combined to calculate the Total Band Exposure as detailed below.

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

Summary of results:				
Location	* 2G Band Exposure	3G Band Exposure	Total Band Exposure	Relationship to ICNIRP Limit
Netball Court (Hard Games Area)	7.93E-07	2.11E-04	2.11E-04	1/4728
Priory Block Classroom 3	4.06E-07	1.95E-04	1.96E-04	1/5110
Old General Laboratory	3.26E-07	1.38E-04	1.39E-04	1/7216
Red Corridor	4.44E-08	9.05E-05	9.05E-05	1/11044
Playground Priory Road	1.66E-07	5.94E-05	5.95E-05	1/16793
St Nicholas Art Classroom	[note page 4]	1.28E-05	1.28E-05	1/78224
St Nicholas Textile Classroom	3.65E-07	4.04E-06	4.41E-06	1/226880

Table 1

* Annex to this report

A 3G base station has been installed at a telephone exchange adjacent to The King's High School for Girls. The Operations group was tasked with auditing this site by Enforcement & Interference Policy Unit (EIPU) following a request from the school.

Although the nearest 2G base station is approximately 250 metres west of the school campus it was decided to include these measurements for completeness. The Peterborough office carried out the 2G audit, while mobile team 2 from Baldock completed a concurrent 3G survey. The results from both have been combined to provide the summary of results on page 3.

At the school site the base station was scanned to ascertain the extent of 3G activity. A single transmission centred on 2.11190GHz was recorded.

At each location, this cell was scanned, a plot taken and the field strength measured. The location numbers shown alongside the plots (pages 6 - 9) refer to the site plan provided by the school Bursar. For each measurement the 3G exposure quotient has been calculated and added to the 2G exposure to provide the Total Exposure Quotient for each survey location (Table 3 page 5).

Within the Art room a further 3G measurement was requested in the right hand corner close to a fire exit door. This is referred to as location 7 in the results – there was no 2G measurement taken at this location.

All the 3G measurement data is given below, while the 2G data is contained in the annex to this report.

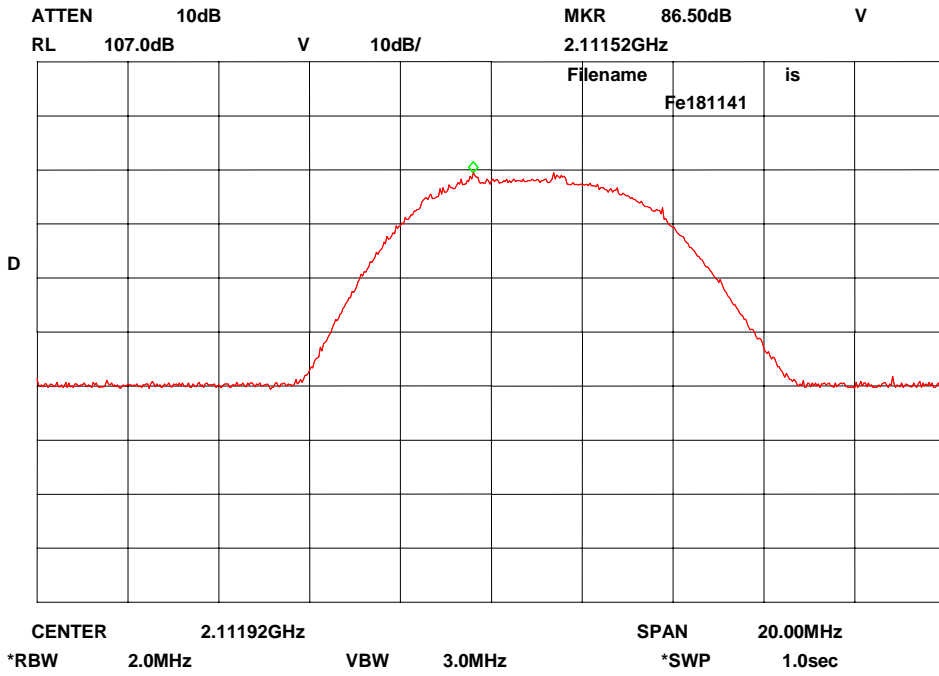
Equipment Used			
Make	Type	Model	Serial No.
HP	Spectrum analyzer	8561A	2841A00171
EMCO	DRG horn antenna	3115	2158
Reynolds	12m cable	219-0088	0201-026

Table 2

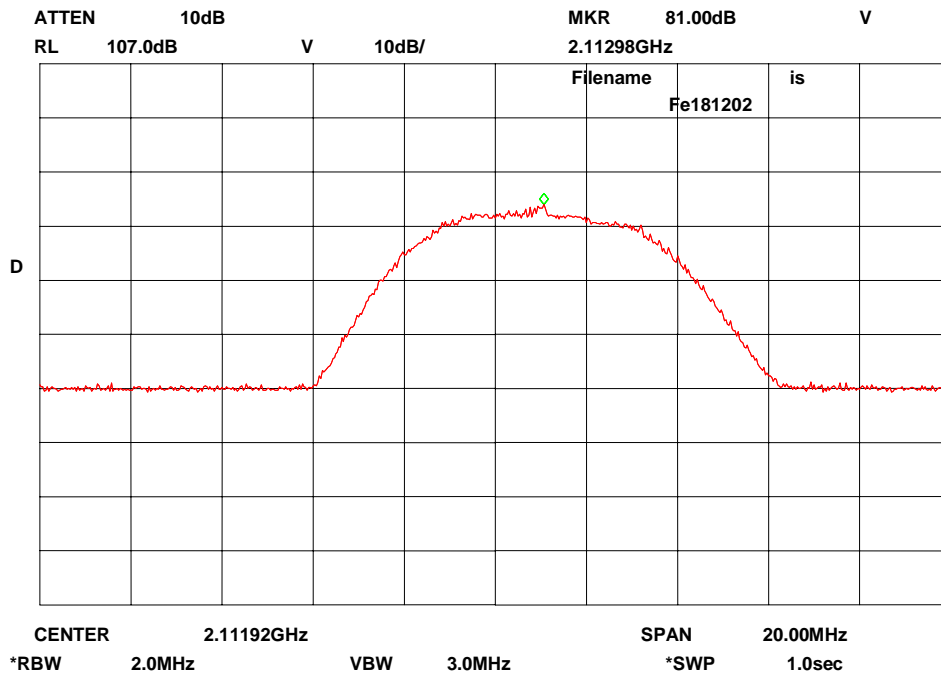
Location	Frequency	Fieldstrength	Fieldstrength	Fieldstrength	Power	Power	ICNIRP	3G	3G	2G	TOTAL	Related to
								Exposure	Exposure	Exposure	3G + 2G	
	MHz	dBuV/m	uV/m	V/m	W/m ²	W/m ²	W/m ²	Quotient	Quotient	Quotient	Exp. Quot.	ICNIRP limit
Netball Court	21115.2	119	891,250.9	0.891251	0.0021069717	0.002107	10	0.000210697170	2.11E-04	7.93E-07	2.11E-04	1/4728
Playground Priory Road	21129.8	113.5	473,151.3	0.473151	0.0005938246	0.0005938	10	0.000059382460	5.94E-05	1.66E-07	5.95E-05	1/16793
Priory Block Classroom 3	21130.2	118.67	858,025.1	0.858025	0.0019528034	0.0019528	10	0.000195280340	1.95E-04	4.06E-07	1.96E-04	1/5110
Red Corridor	21127.8	115.33	584,117.2	0.584117	0.0009050203	0.000905	10	0.000090502030	9.05E-05	4.44E-08	9.05E-05	1/11044
St Nicholas Textile Room	21125.3	101.83	123,452.5	0.123453	0.0000404261	4.043E-05	10	0.000004042610	4.04E-06	3.65E-07	4.41E-06	1/226880
St Nicholas Art Room	21115	106.83	219,533.1	0.219533	0.0001278375	0.0001278	10	0.000012783750	1.28E-05		1.28E-05	1/78224
Old General Laboratory	21127.7	117.17	721,938.2	0.721938	0.0013824787	0.0013825	10	0.000138247870	1.38E-04	3.26E-07	1.39E-04	1/7216

Table 3

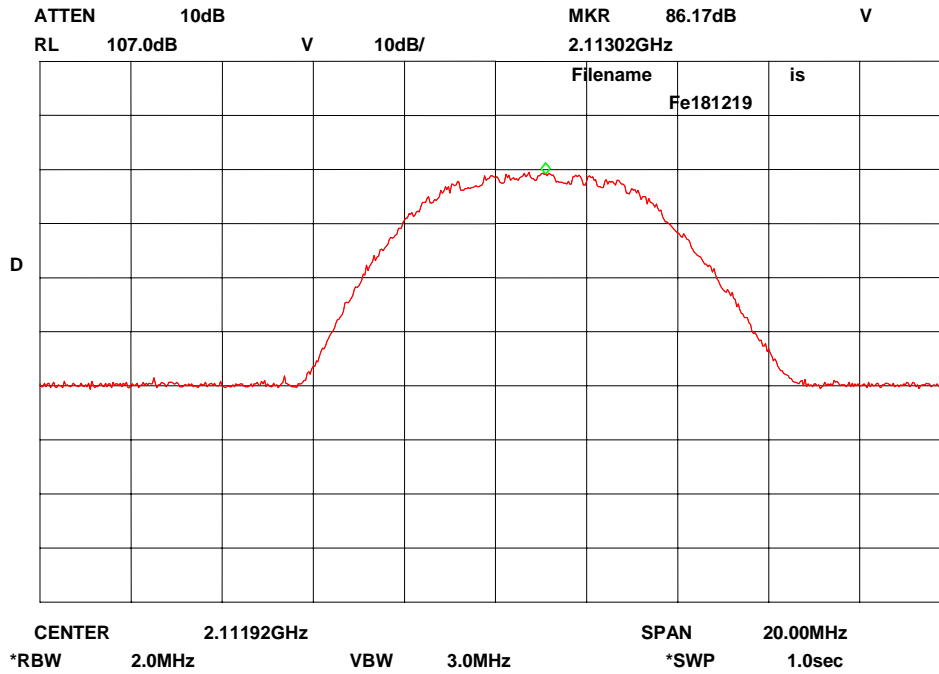
Location 1: Hard Games Area



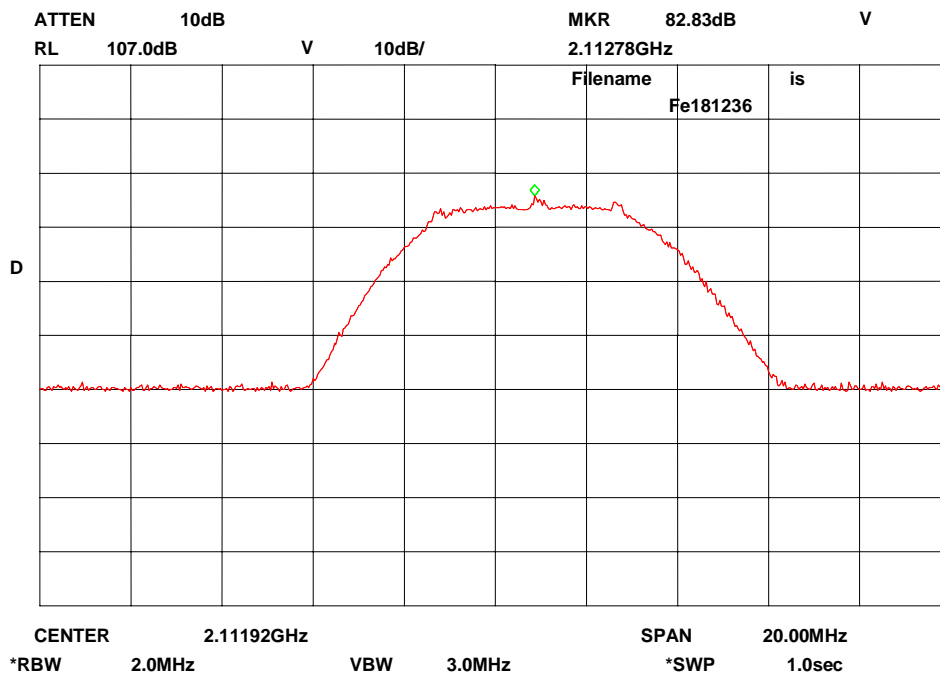
Location 2: Playground Priory Road



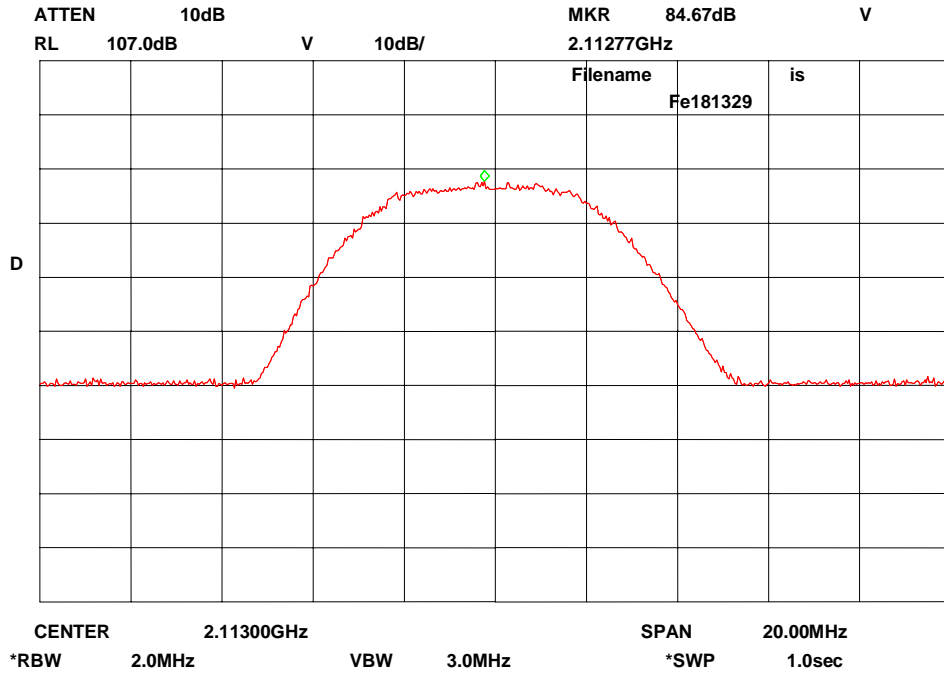
Location 3: Priory Block Classroom 3 (2nd floor)



Location 5: Red Corridor



Location 4: Old General Laboratory



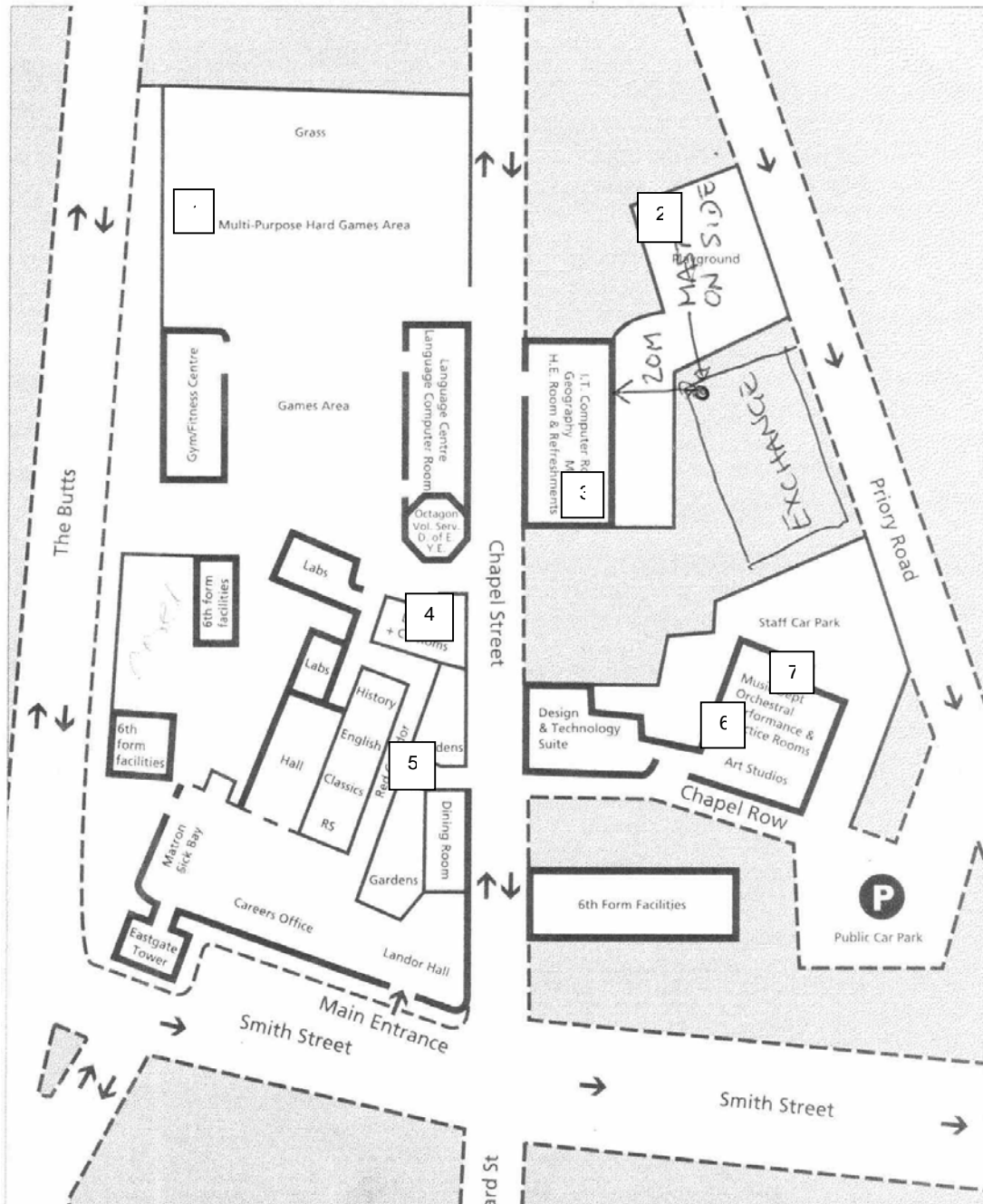


Figure 1: Measurement locations

Annex
2G Mobile Phone Base-Station Audit

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.

Ofcom performed this survey of the RF emission environment prevailing in the vicinity of The King's High School for Girls on 18 February 2004.

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
Netball Court	7.93E-07	1/1260277
Priory Block Classroom 3 second floor	4.06E-07	1/2462432
St Nicholas textile classroom	3.65E-07	1/2743318
Old General Laboratory	3.26E-07	1/3063760
Priory Playground	1.66E-07	1/6026012
Red Corridor	4.44E-08	1/22508009

Issued on behalf of Ofcom.

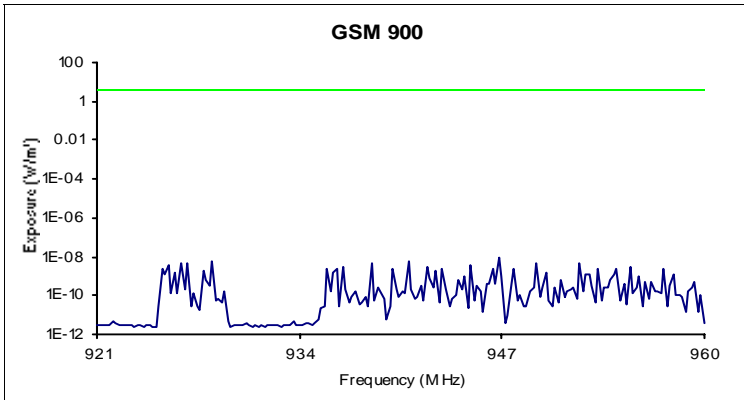
Issued by:

Received by:

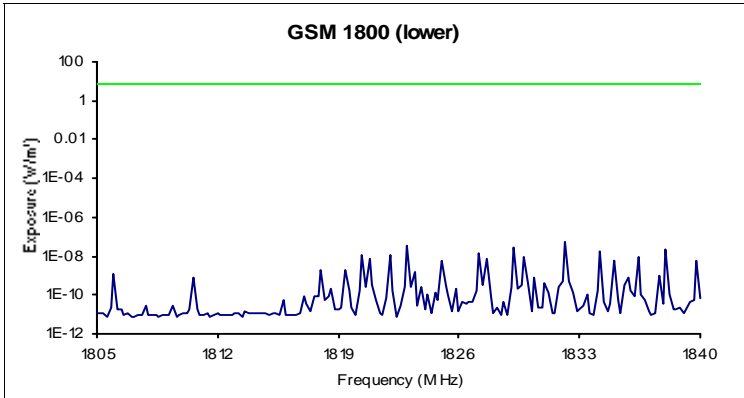
John Taylor
Radiocommunications Specialist

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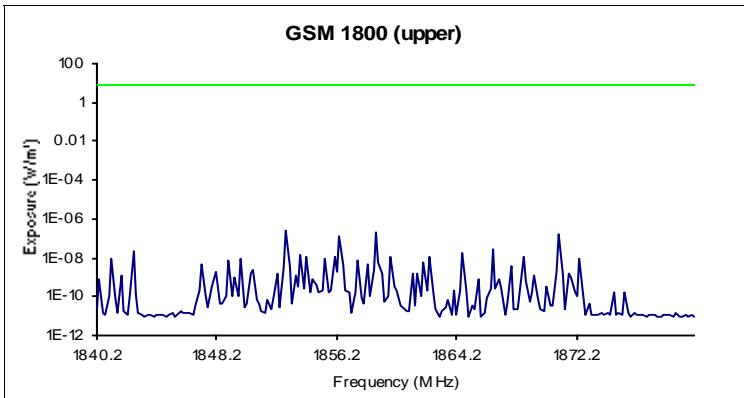
<p>Site: Kings High School for Girls</p> <p>Location: Priory Playground</p> <p>NGR: SP 2833 6511 Taken from GPS</p> <p>Start Time: 18 February 2004 11:38:38</p> <p>Officer: John Taylor</p>	<p>Receiver:</p> <p>Manufacturer: ROHDE&SCHWARZ Model: EB200 Serial Number: 837.752/003</p> <p>Antenna:</p> <p>Manufacturer: Rohde & Schwarz Model: HE200 Serial Number: 728264/025</p>
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Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
946.800	1.00E-08	4.73	2.12E-09
941.000	5.69E-09	4.71	1.21E-09
928.400	5.53E-09	4.64	1.19E-09
938.600	5.04E-09	4.69	1.07E-09
926.400	4.79E-09	4.63	1.03E-09
952.000	4.85E-09	4.76	1.02E-09
926.800	4.27E-09	4.63	9.22E-10
949.200	4.30E-09	4.75	9.05E-10
925.600	3.54E-09	4.63	7.66E-10
945.000	3.38E-09	4.72	7.15E-10
Band Exposure Quotient:			2.55E-08



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,832.200	5.35E-08	9.16	5.84E-09
1,823.000	3.56E-08	9.12	3.90E-09
1,829.200	2.67E-08	9.15	2.92E-09
1,838.000	2.05E-08	9.19	2.23E-09
1,834.200	1.86E-08	9.17	2.03E-09
1,827.200	1.56E-08	9.14	1.71E-09
1,822.000	1.26E-08	9.11	1.38E-09
1,820.400	1.17E-08	9.10	1.29E-09
1,836.400	8.94E-09	9.18	9.74E-10
1,829.800	8.84E-09	9.15	9.66E-10
Band Exposure Quotient:			2.91E-08

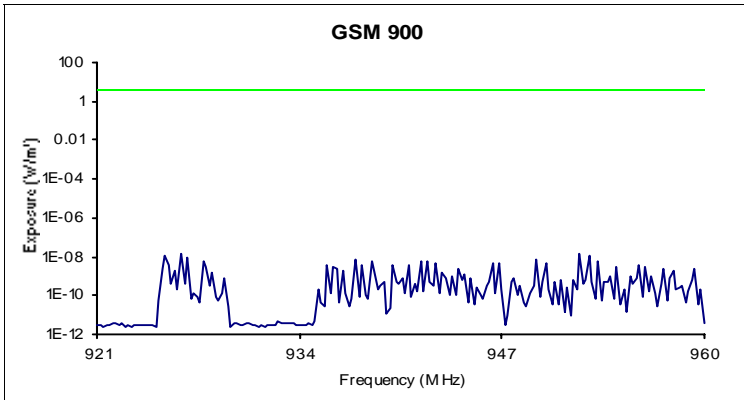


Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,852.800	2.53E-07	9.26	2.73E-08
1,858.800	1.99E-07	9.29	2.14E-08
1,871.000	1.77E-07	9.36	1.89E-08
1,856.400	1.43E-07	9.28	1.54E-08
1,866.600	2.59E-08	9.33	2.78E-09
1,842.600	2.02E-08	9.21	2.20E-09
1,864.600	1.96E-08	9.32	2.10E-09
1,853.800	1.33E-08	9.27	1.44E-09
1,856.000	1.25E-08	9.28	1.34E-09
1,854.200	1.16E-08	9.27	1.25E-09
Band Exposure Quotient:			1.11E-07

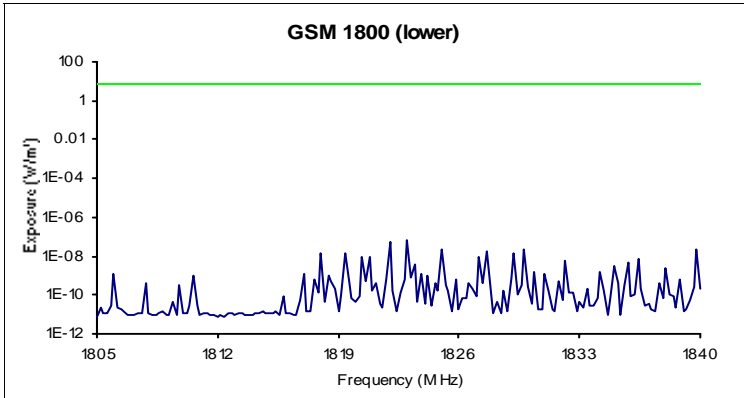
Total number of measurements: 572 Total Band Exposure Quotient: 1.66E-07

Site: Kings High School for Girls
Location: Priory Block Classroom 3 second floor
NGR: SP 2837 6508 **Taken from GPS**
Start Time: 18 February 2004 11:57:07
Officer: John Taylor

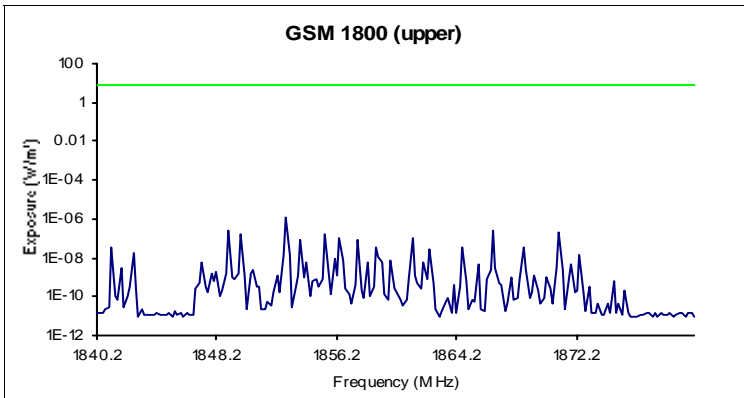
Receiver:
 Manufacturer: ROHDE&SCHWARZ
 Model: EB200
 Serial Number: 837.752/003
Antenna:
 Manufacturer: Rohde & Schwarz
 Model: HE200
 Serial Number: 728264/025



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
926.400	1.41E-08	4.63	3.05E-09
952.000	1.34E-08	4.76	2.81E-09
925.400	1.23E-08	4.63	2.66E-09
952.600	1.04E-08	4.76	2.18E-09
926.800	9.79E-09	4.63	2.11E-09
949.200	7.82E-09	4.75	1.65E-09
937.600	7.27E-09	4.69	1.55E-09
942.200	6.40E-09	4.71	1.36E-09
938.600	6.20E-09	4.69	1.32E-09
927.800	6.05E-09	4.64	1.30E-09
Band Exposure Quotient:			4.49E-08



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,823.000	6.94E-08	9.12	7.61E-09
1,822.000	5.38E-08	9.11	5.90E-09
1,829.800	2.32E-08	9.15	2.54E-09
1,839.800	2.16E-08	9.20	2.34E-09
1,825.000	2.01E-08	9.13	2.20E-09
1,827.600	1.68E-08	9.14	1.84E-09
1,829.200	1.37E-08	9.15	1.50E-09
1,819.400	1.31E-08	9.10	1.44E-09
1,818.000	1.28E-08	9.09	1.41E-09
1,820.800	8.90E-09	9.10	9.78E-10
Band Exposure Quotient:			3.56E-08



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,852.800	1.24E-06	9.26	1.34E-07
1,866.600	2.53E-07	9.33	2.72E-08
1,849.000	2.35E-07	9.24	2.54E-08
1,871.000	1.98E-07	9.36	2.12E-08
1,849.800	1.74E-07	9.25	1.88E-08
1,855.400	1.64E-07	9.28	1.77E-08
1,856.400	1.16E-07	9.28	1.26E-08
1,861.200	1.15E-07	9.31	1.23E-08
1,853.800	8.40E-08	9.27	9.06E-09
1,857.600	8.08E-08	9.29	8.70E-09
Band Exposure Quotient:			3.26E-07

Total number of measurements: 572

Total Band Exposure Quotient: 4.06E-07

Site: Kings High School for Girls

Location: Netball Court

NGR: SP 2831 6506 **Taken from GPS**

Start Time: 18 February 2004 12:13:15

Officer: John Taylor

Receiver:

Manufacturer: ROHDE&SCHWARZ

Model: EB200

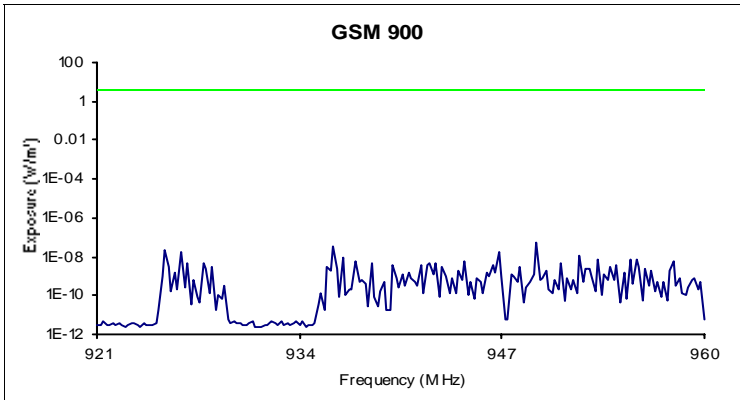
Serial Number: 837.752/003

Antenna:

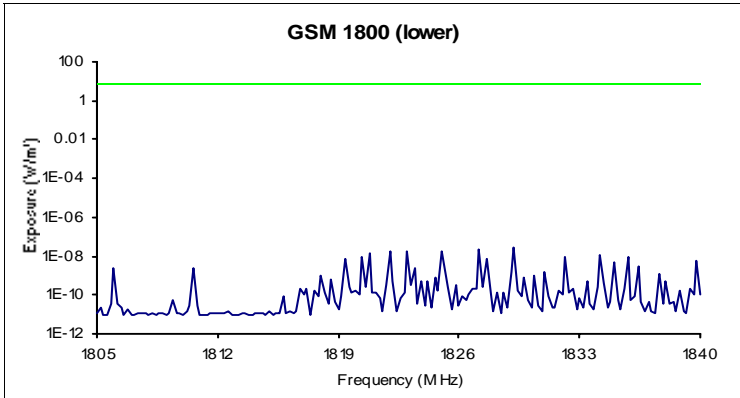
Manufacturer: Rohde & Schwarz

Model: HE200

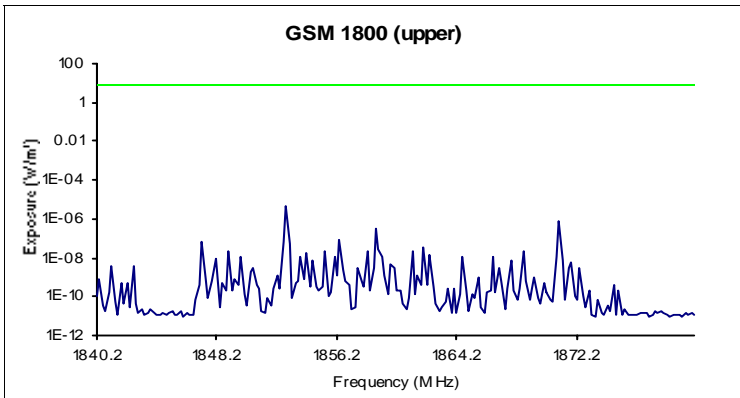
Serial Number: 728264/025



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
949.200	5.17E-08	4.75	1.09E-08
936.200	3.55E-08	4.68	7.58E-09
925.400	2.09E-08	4.63	4.51E-09
946.800	1.74E-08	4.73	3.68E-09
926.400	1.62E-08	4.63	3.50E-09
952.000	1.04E-08	4.76	2.18E-09
936.800	8.14E-09	4.68	1.74E-09
955.600	7.24E-09	4.78	1.51E-09
953.200	7.03E-09	4.77	1.48E-09
955.200	6.59E-09	4.78	1.38E-09
Band Exposure Quotient:			7.11E-08



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,829.200	3.06E-08	9.15	3.35E-09
1,827.200	2.21E-08	9.14	2.42E-09
1,823.000	1.96E-08	9.12	2.15E-09
1,825.000	1.87E-08	9.13	2.05E-09
1,822.000	1.74E-08	9.11	1.91E-09
1,820.800	1.55E-08	9.10	1.70E-09
1,834.200	1.17E-08	9.17	1.28E-09
1,835.800	9.57E-09	9.18	1.04E-09
1,832.200	9.51E-09	9.16	1.04E-09
1,820.400	8.50E-09	9.10	9.34E-10
Band Exposure Quotient:			2.41E-08



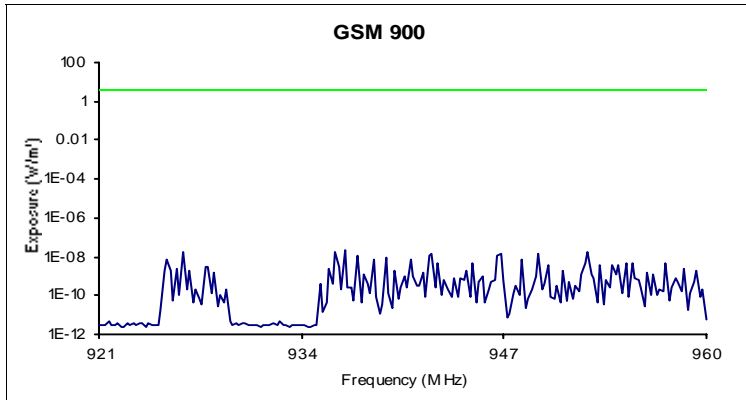
Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,852.800	4.61E-06	9.26	4.98E-07
1,871.000	8.65E-07	9.36	9.25E-08
1,858.800	3.45E-07	9.29	3.71E-08
1,856.400	8.44E-08	9.28	9.09E-09
1,852.600	6.97E-08	9.26	7.53E-09
1,847.200	6.45E-08	9.24	6.98E-09
1,853.000	5.54E-08	9.27	5.98E-09
1,862.000	3.32E-08	9.31	3.56E-09
1,859.000	2.81E-08	9.29	3.02E-09
1,849.000	2.40E-08	9.24	2.60E-09
Band Exposure Quotient:			6.98E-07

Total number of measurements: 572

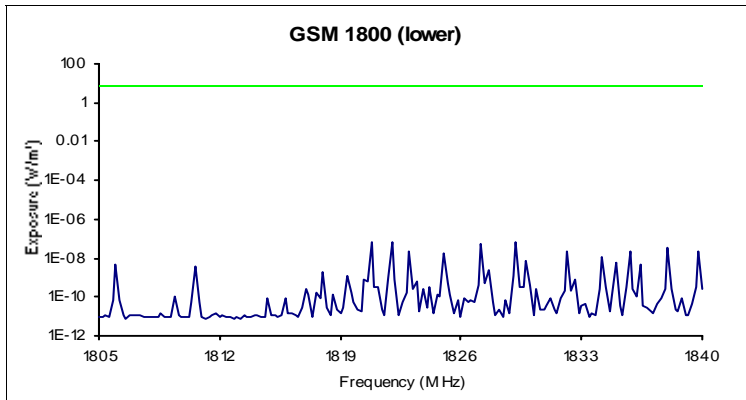
Total Band Exposure Quotient: 7.93E-07

Site: Kings High School for Girls
Location: Old Geneal Laboratory
NGR: ZU 0000 0000
Start Time: 18 February 2004 12:27:47
Officer: John Taylor

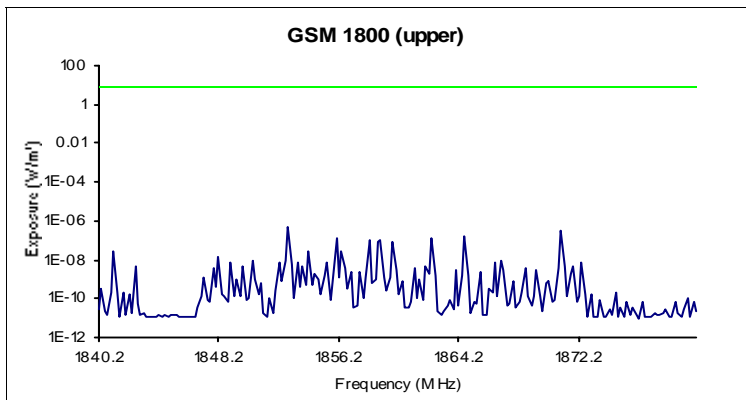
Receiver:
 Manufacturer: ROHDE&SCHWARZ
 Model: EB200
 Serial Number: 837.752/003
Antenna:
 Manufacturer: Rohde & Schwarz
 Model: HE200
 Serial Number: 728264/025



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
936.800	2.00E-08	4.68	4.27E-09
936.200	1.95E-08	4.68	4.17E-09
952.400	1.65E-08	4.76	3.46E-09
926.400	1.59E-08	4.63	3.42E-09
946.800	1.52E-08	4.73	3.20E-09
942.400	1.37E-08	4.71	2.91E-09
949.200	1.36E-08	4.75	2.86E-09
937.600	1.26E-08	4.69	2.70E-09
942.200	1.22E-08	4.71	2.59E-09
946.600	1.07E-08	4.73	2.27E-09
Band Exposure Quotient:			6.32E-08



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,822.000	7.42E-08	9.11	8.15E-09
1,820.800	7.41E-08	9.10	8.14E-09
1,829.200	7.18E-08	9.15	7.85E-09
1,827.200	4.95E-08	9.14	5.42E-09
1,838.000	3.11E-08	9.19	3.38E-09
1,835.800	2.35E-08	9.18	2.56E-09
1,839.800	2.31E-08	9.20	2.51E-09
1,832.200	2.08E-08	9.16	2.27E-09
1,823.000	2.00E-08	9.12	2.20E-09
1,825.000	1.79E-08	9.13	1.96E-09
Band Exposure Quotient:			5.12E-08



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,852.800	5.54E-07	9.26	5.98E-08
1,871.000	3.53E-07	9.36	3.77E-08
1,864.600	1.56E-07	9.32	1.67E-08
1,862.400	1.32E-07	9.31	1.42E-08
1,856.000	1.25E-07	9.28	1.34E-08
1,858.200	1.07E-07	9.29	1.15E-08
1,859.000	9.51E-08	9.29	1.02E-08
1,858.800	8.67E-08	9.29	9.33E-09
1,859.800	8.11E-08	9.30	8.72E-09
1,854.200	2.98E-08	9.27	3.22E-09
Band Exposure Quotient:			2.12E-07

Total number of measurements: 572

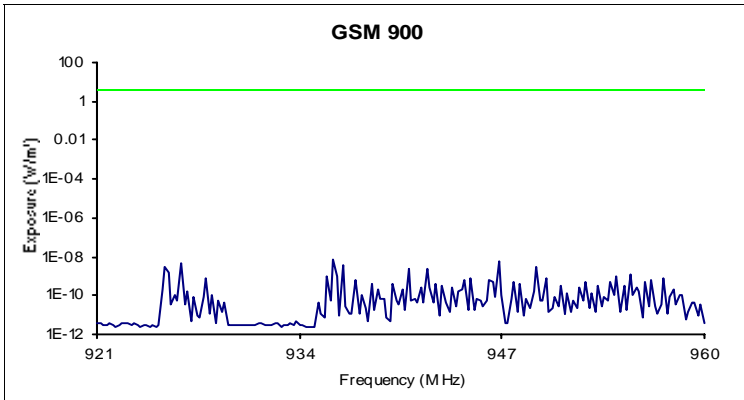
Total Band Exposure Quotient: 3.26E-07

Site: Kings High School for Girls
Location: Red Corridor

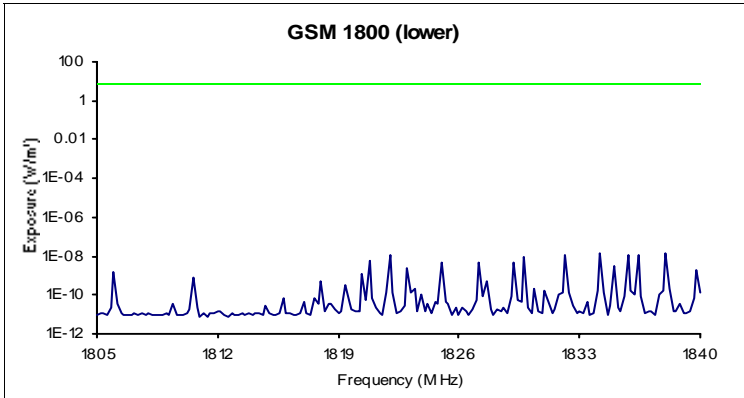
NGR: SP 2840 6504 **Taken from GPS**
Start Time: 18 February 2004 12:42:10
Officer: John Taylor

Receiver:
 Manufacturer: ROHDE&SCHWARZ
 Model: EB200
 Serial Number: 837.752/003

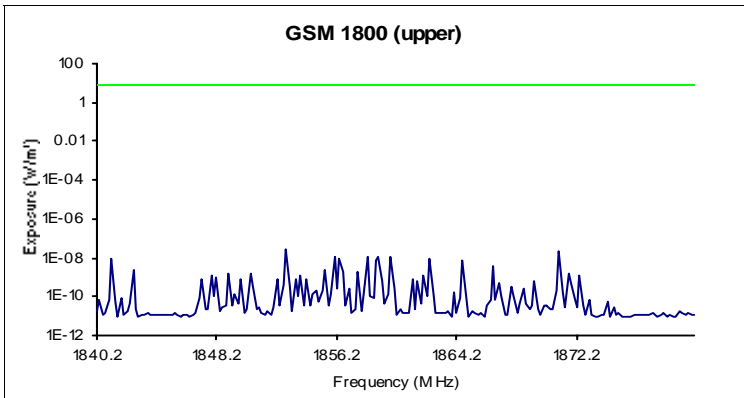
Antenna:
 Manufacturer: Rohde & Schwarz
 Model: HE200
 Serial Number: 728264/025



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
936.200	6.76E-09	4.68	1.44E-09
946.800	6.18E-09	4.73	1.30E-09
926.400	4.47E-09	4.63	9.65E-10
936.800	3.90E-09	4.68	8.32E-10
925.400	3.23E-09	4.63	6.98E-10
949.200	2.77E-09	4.75	5.85E-10
941.000	2.43E-09	4.71	5.16E-10
942.200	2.38E-09	4.71	5.05E-10
925.600	1.58E-09	4.63	3.42E-10
955.200	1.17E-09	4.78	2.46E-10
Band Exposure Quotient:			1.20E-08



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,838.000	1.52E-08	9.19	1.66E-09
1,834.200	1.48E-08	9.17	1.61E-09
1,835.800	1.23E-08	9.18	1.34E-09
1,832.200	1.23E-08	9.16	1.34E-09
1,822.000	1.15E-08	9.11	1.26E-09
1,836.400	1.10E-08	9.18	1.20E-09
1,829.800	9.04E-09	9.15	9.88E-10
1,820.800	5.75E-09	9.10	6.31E-10
1,827.200	4.95E-09	9.14	5.42E-10
1,825.000	4.82E-09	9.13	5.28E-10
Band Exposure Quotient:			1.35E-08



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,852.800	2.65E-08	9.26	2.86E-09
1,871.000	2.38E-08	9.36	2.55E-09
1,856.000	1.25E-08	9.28	1.34E-09
1,859.000	1.14E-08	9.29	1.23E-09
1,859.800	1.09E-08	9.30	1.18E-09
1,858.200	1.09E-08	9.29	1.17E-09
1,841.200	9.88E-09	9.21	1.07E-09
1,862.400	8.53E-09	9.31	9.16E-10
1,856.400	8.44E-09	9.28	9.09E-10
1,858.800	7.38E-09	9.29	7.94E-10
Band Exposure Quotient:			1.89E-08

Total number of measurements: 572

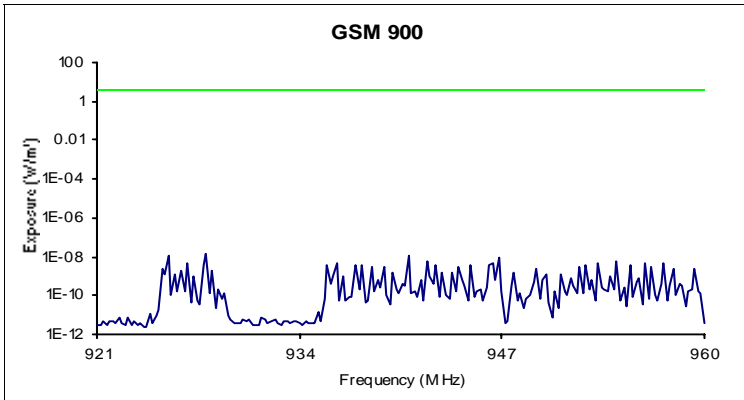
Total Band Exposure Quotient: **4.44E-08**

Site: Kings High School for Girls
Location: St Nicholas textile classroom

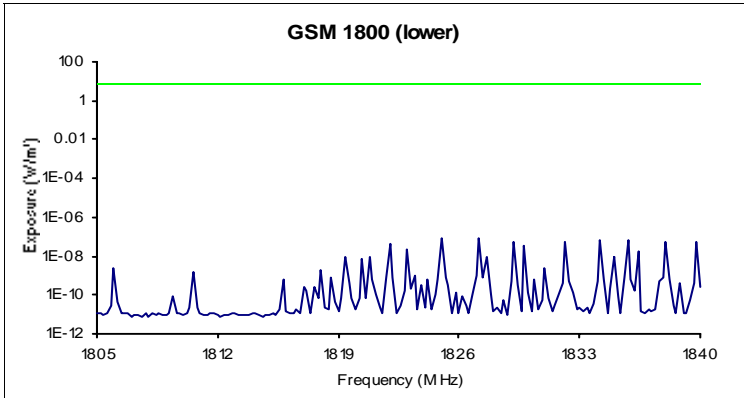
NGR: SP 2842 6509 **Taken from GPS**
Start Time: 18 February 2004 13:06:32
Officer: John Taylor

Receiver:
 Manufacturer: ROHDE&SCHWARZ
 Model: EB200
 Serial Number: 837.752/003

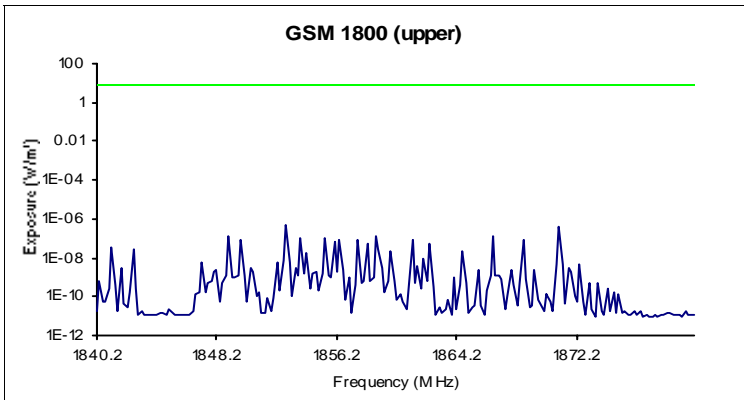
Antenna:
 Manufacturer: Rohde & Schwarz
 Model: HE200
 Serial Number: 728264/025



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
928.000	1.36E-08	4.64	2.92E-09
925.600	1.17E-08	4.63	2.54E-09
941.000	1.04E-08	4.71	2.20E-09
946.800	9.14E-09	4.73	1.93E-09
942.200	5.70E-09	4.71	1.21E-09
954.400	5.60E-09	4.77	1.17E-09
926.800	5.02E-09	4.63	1.08E-09
936.400	4.79E-09	4.68	1.02E-09
946.400	4.68E-09	4.73	9.89E-10
957.400	4.38E-09	4.79	9.15E-10
Band Exposure Quotient:			3.84E-08



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,827.200	8.21E-08	9.14	8.99E-09
1,825.000	7.63E-08	9.13	8.37E-09
1,834.200	7.41E-08	9.17	8.08E-09
1,835.800	6.47E-08	9.18	7.05E-09
1,839.800	5.81E-08	9.20	6.31E-09
1,838.000	5.66E-08	9.19	6.15E-09
1,829.200	5.20E-08	9.15	5.68E-09
1,832.200	5.11E-08	9.16	5.57E-09
1,822.000	4.08E-08	9.11	4.48E-09
1,829.800	3.21E-08	9.15	3.51E-09
Band Exposure Quotient:			7.67E-08



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,852.800	4.61E-07	9.26	4.98E-08
1,871.000	3.78E-07	9.36	4.04E-08
1,849.000	1.32E-07	9.24	1.43E-08
1,858.800	1.22E-07	9.29	1.32E-08
1,866.600	1.19E-07	9.33	1.27E-08
1,855.400	1.11E-07	9.28	1.20E-08
1,853.800	1.06E-07	9.27	1.14E-08
1,857.600	9.27E-08	9.29	9.98E-09
1,856.400	9.04E-08	9.28	9.74E-09
1,849.800	8.74E-08	9.25	9.45E-09
Band Exposure Quotient:			2.49E-07

Total number of measurements: 572

Total Band Exposure Quotient: **3.65E-07**

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 Ofcom 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(μ V/m)) converted to an equivalent power density (W/m²)
- 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/m²)
- 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 ²
400MHz to 2GHz	f / 200 W/m ²
2GHz to 300GHz	10 W/m ²

(where f is frequency in MHz)

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