

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



Mobile Phone
Base-Station Audit

Audit Site: Weston Favell Lower School
Church Way
Weston Favell
Northampton
NN3 3BT

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
Jill Ramshaw	1
Diane Farrell	1
Roy Littlecot	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 present primary school on the 15th January 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
Centre of playground	4.46E-07	1.60E-07	6.06E-07	1/1650165
Prac. Area Class 2	2.65E-07	2.0E-07	4.65E-07	1/2150538
Playground behind				
Hall	2.52E-07	5.10E-08	3.03E-07	1/3300330
Classroom 32	1.67E-07	NIL	1.67E-07	1/5982039
School Entrance	9.92E-08	NIL	9.92E-08	1/10079949
Centre of Hall	8.83E-08	NIL	8.83E-08	1/11327448

* Annex to this report

The site of the present primary school was originally surveyed by Technical Investigation Officers from the Region 4 Peterborough office on 29 April 2003. Since that survey a 3G base station has been installed at an existing mast close to the Cherry Orchard Middle School site. The Agency was tasked with re-auditing both Cherry Orchard Middle School and Weston Favell Lower School.

Again the Peterborough office carried out the second 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 Cherry Orchard site the base station was scanned to ascertain the extent of 3G activity as shown in Figure 1.

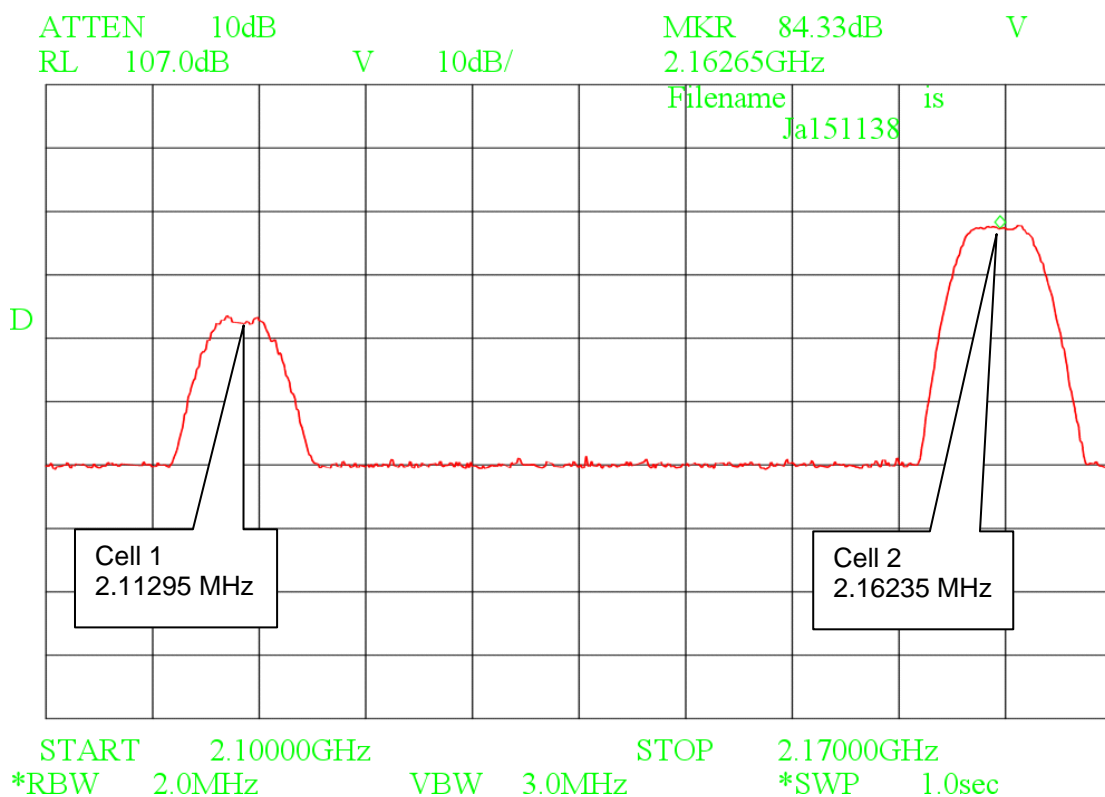


Figure 1

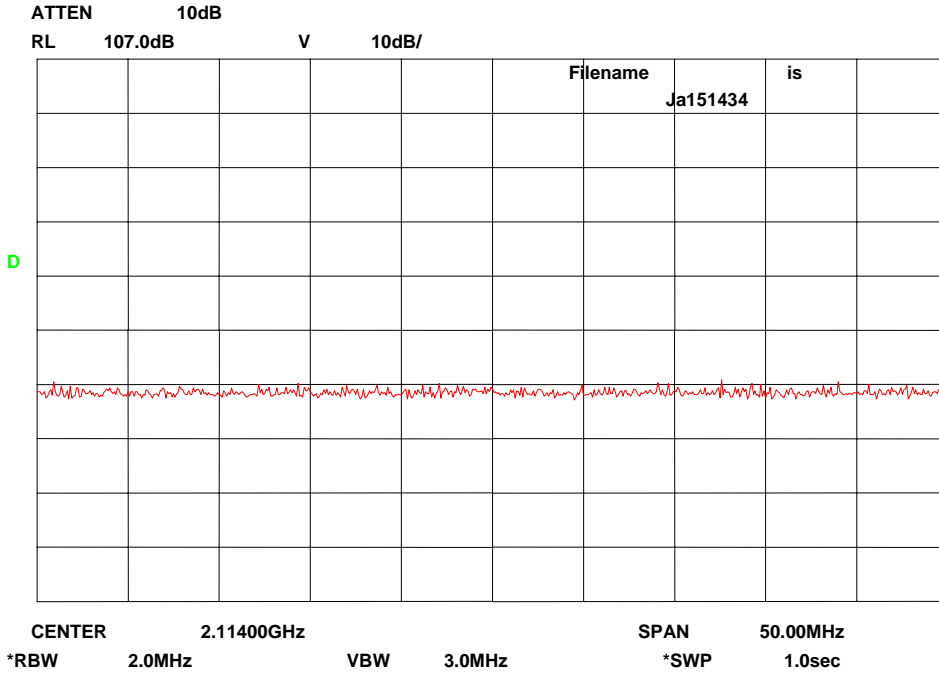
At Weston Favell Lower School both cell frequencies were scanned. Cell 2 could not be detected at any location on this site. Cell 1 was visible, and the field strength measured at three locations. For these measurements the exposure quotient was calculated and added to the 2G exposure quotient before adding the two to provide the Total Exposure Quotient for each survey location.

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

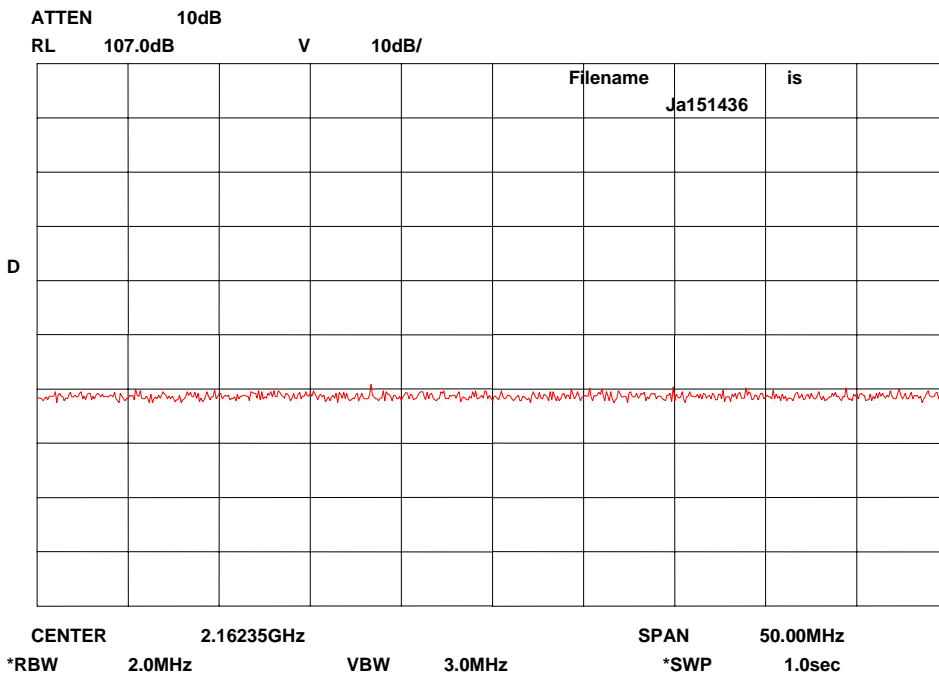
Equipment Used			
Make	Type	Model	Serial No.
HP	Spectrum analyzer	8561A	2841A00171
EMCO	DRG horn antenna	3115	2158
Reynolds	12m cable	219-0088	0201-026

Location	Cell	Frequency MHz	Fieldstrength dBuV/m	Fieldstrength uV/m	Fieldstrength V/m	Power W/m ²	Power W/m ²	ICNIRP W/m ²	Exposure Quotient	Exposure Quotient	3G total	2G total	TOTAL Exp. Quot.	Related to ICNIRP limit
School Entrance	1	no signal		1.0	0.000001	0.0000000000	0	10	0.000000000000	0				
ZU 0000 0000	2	no signal		1.0	0.000001	0.0000000000	0	10	0.000000000000	0	0	9.92E-08	9.92E-08	1/10079949
Centre of Hall	1	no signal		1.0	0.000001	0.0000000000	0	10	0.000000000000	0				
SP 7876 6200	2	no signal		1.0	0.000001	0.0000000000	0	10	0.000000000000	0	0	8.83E-08	8.83E-08	1/11327448
Classroom 32	1	no signal		1.0	0.000001	0.0000000000	0	10	0.000000000000	0				
SP 7876 6200	2	no signal		1.0	0.000001	0.0000000000	0	10	0.000000000000	0	0	1.67E-07	1.67E-07	1/5982039
Centre of Playground	1	2112.95	87.75	24,406.2	0.024406	0.0000015800	1.58E-06	10	0.000000158000	1.58E-07				
SP 7878 6200	2	no signal		1.0	0.000001	0.0000000000	0	10	0.000000000000	0	1.60E-07	4.46E-07	6.06E-07	1/1650165
Prac. Area Classroom 2	1	2112.85	88.83	27,637.6	0.027638	0.0000020262	2.026E-06	10	0.000000202620	2.03E-07				
SP7877 6202	2	no signal		1.0	0.000001	0.0000000000	0	10	0.000000000000	0	2.00E-07	2.65E-07	4.65E-07	1/2150538
Playground behind hall	1	2111.88	82.87	13,915.5	0.013916	0.0000005137	5.137E-07	10	0.000000051370	5.14E-08				
SP 7876 6202	2	no signal		1.0	0.000001	0.0000000000	0	10	0.000000000000	0	5.10E-08	2.52E-07	3.03E-07	1/3300330

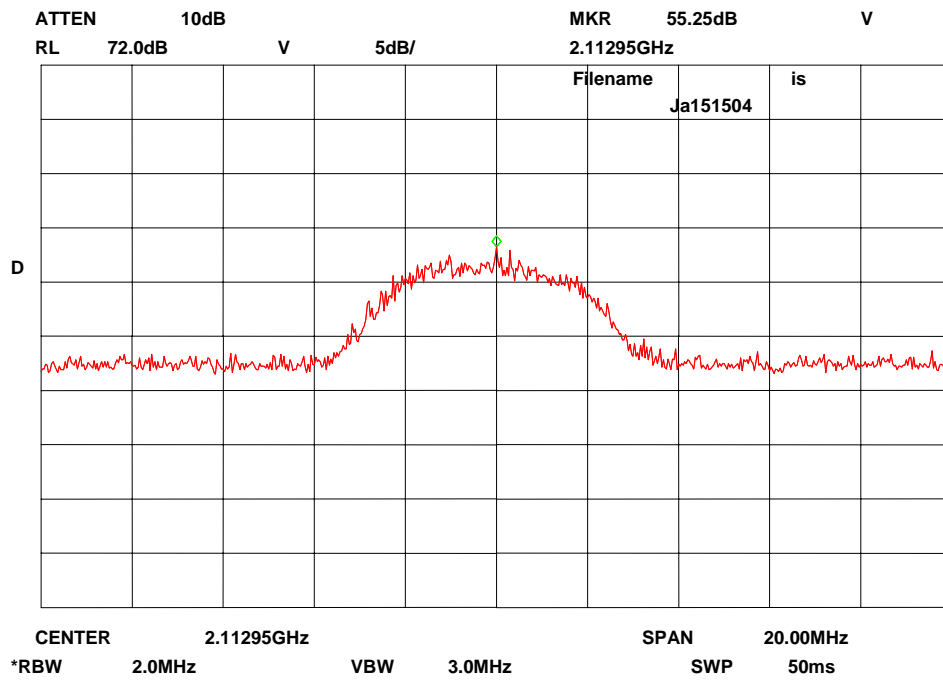
School Hall Cell 1



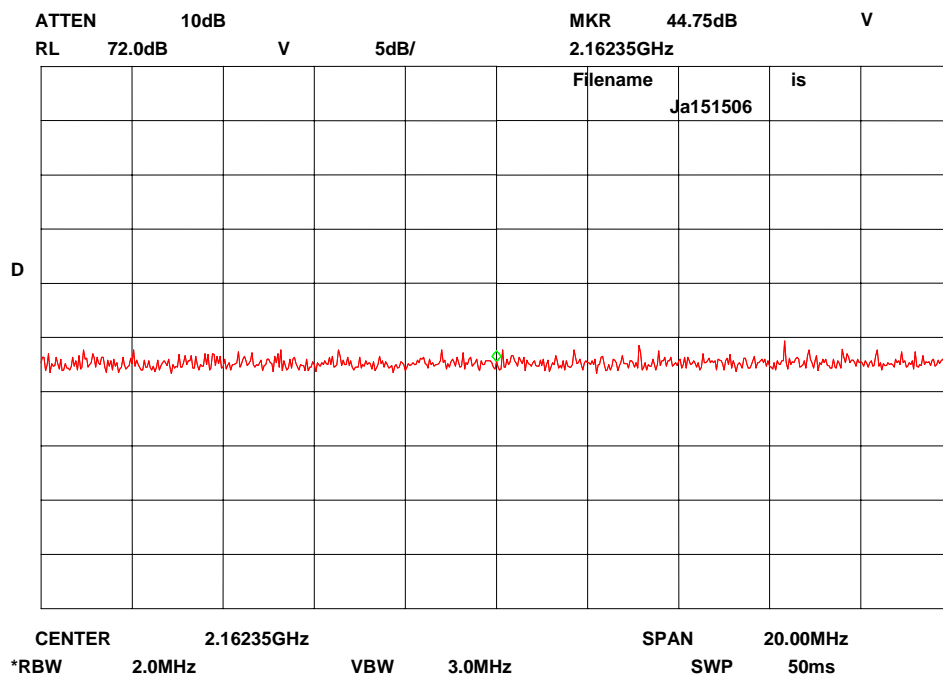
School Hall Cell 2



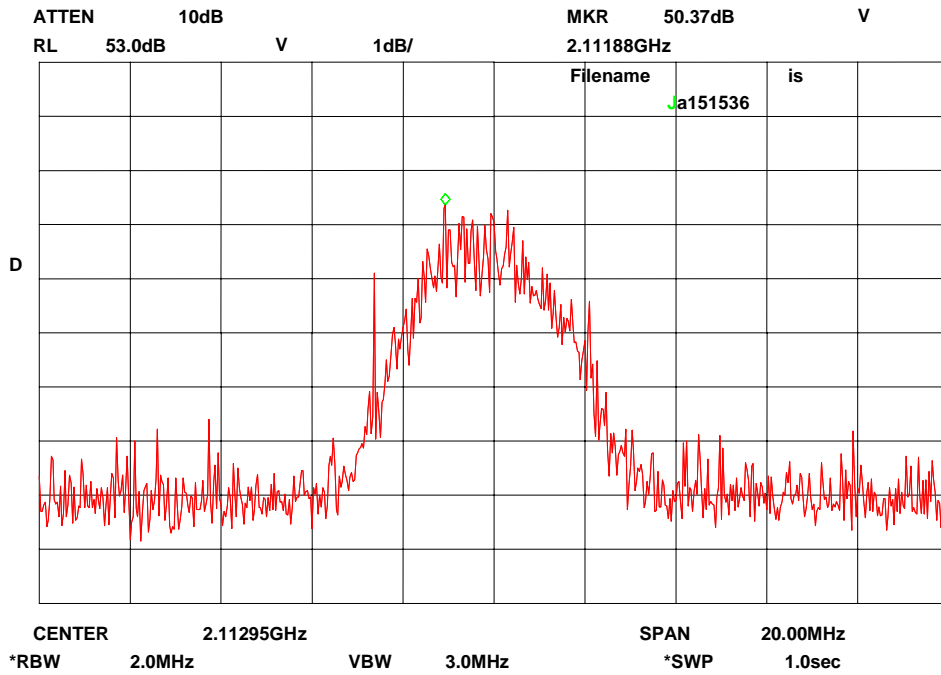
Centre of Playground Cell 1



Centre of Playground Cell 2

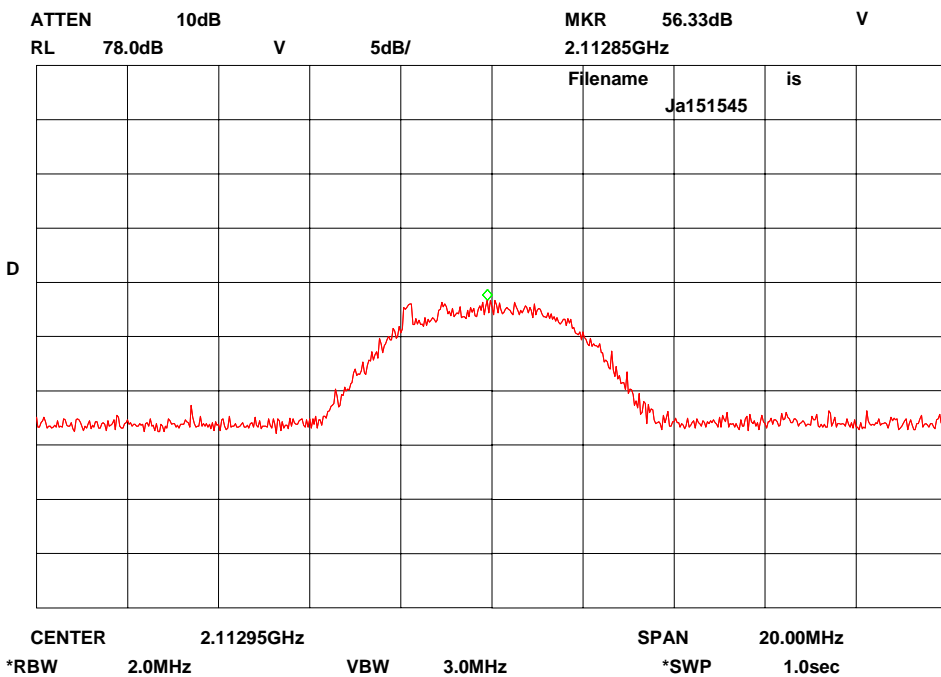


Playground behind Hall Cell 1



Note Cell 2 not detected at this location

Practical Area off Classroom 2 Cell 1



Note Cell 2 not detected at this location

Annex

2G Mobile Phone Base-Station Audit

Mobile Phone Base-Station Audit

Audit site: Weston Favell Lower School (2nd audit)
Church Way
Weston Favell
Northampton
NN3 3BT

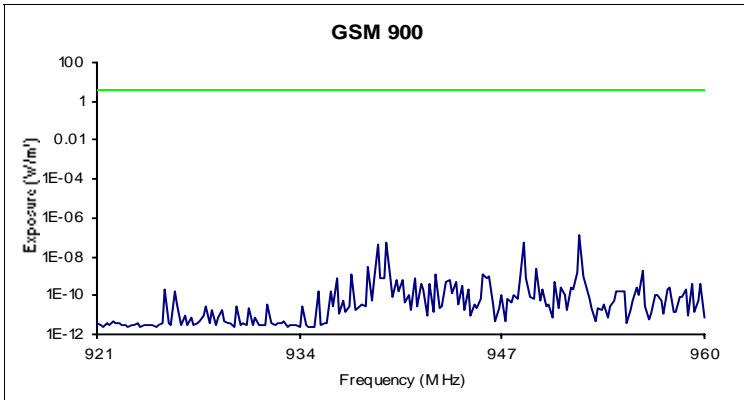
In 2000 the Government asked the Radiocommunications Agency to implement a national measurement programme to ensure that emissions from cellular base stations do not exceed the guidelines for public maximum exposure set by the International Commission on Non-Ionizing Radiation Protection (ICNIRP). Ofcom took over the functions of the Radiocommunications Agency, along with those of the Independent Television Commission, Radio Authority, Oftel and Broadcasting standards Commission, on 29 December 2003.

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.

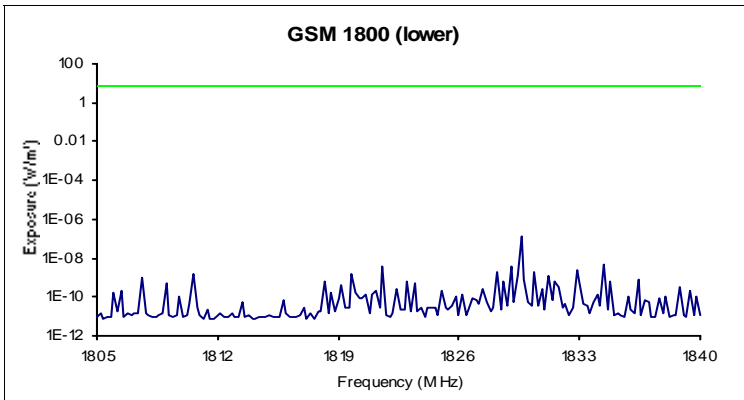
Further explanation of the results and their context within the ICNIRP guidelines can be provided by the Ofcom officers at the time of the audit or by contacting Ofcom on 0845 456 3000, or by email at contact@ofcom.org.uk. Results taken from all audit sites and further information on the audit programme can be found on the Ofcom website at www.ofcom.org.uk

Site: Weston Favell Lower School (2nd audit)
Location: School Entrance
NGR: ZU 0000 0000
Start Time: 15 January 2004 14:22:46
Officer: John Taylor

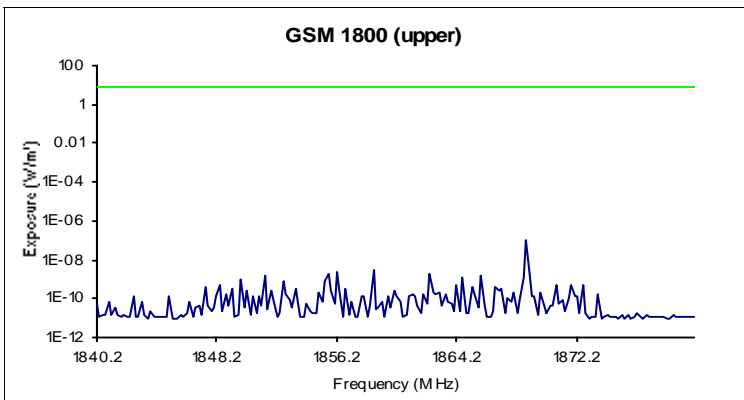
Receiver:
 Manufacturer: ROHDE&SCHWARZ
 Model: EB200
 Serial Number: 837.752/003
Antenna:
 Manufacturer: Rohde & Schwarz
 Model: HE200
 Serial Number: 728264/025



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
952.000	1.25E-07	4.76	2.62E-08
948.400	5.79E-08	4.74	1.22E-08
939.600	4.94E-08	4.70	1.05E-08
939.000	4.60E-08	4.70	9.80E-09
938.400	2.71E-09	4.69	5.77E-10
949.200	2.59E-09	4.75	5.46E-10
956.000	2.04E-09	4.78	4.27E-10
951.800	1.64E-09	4.76	3.45E-10
945.800	1.29E-09	4.73	2.72E-10
942.800	1.22E-09	4.71	2.59E-10
Band Exposure Quotient:			6.59E-08



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,829.600	1.40E-07	9.15	1.53E-08
1,834.400	5.01E-09	9.17	5.46E-10
1,829.000	3.94E-09	9.14	4.31E-10
1,821.600	3.39E-09	9.11	3.72E-10
1,832.800	2.28E-09	9.16	2.49E-10
1,830.400	2.12E-09	9.15	2.32E-10
1,828.200	1.72E-09	9.14	1.88E-10
1,819.800	1.51E-09	9.10	1.66E-10
1,810.600	1.39E-09	9.05	1.53E-10
1,829.400	1.25E-09	9.15	1.36E-10
Band Exposure Quotient:			1.95E-08



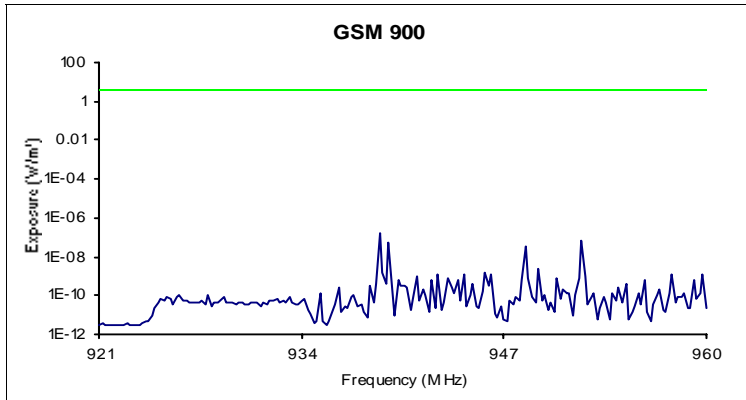
Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,868.800	9.45E-08	9.34	1.01E-08
1,858.600	3.30E-09	9.29	3.55E-10
1,856.200	2.55E-09	9.28	2.75E-10
1,855.600	2.02E-09	9.28	2.18E-10
1,862.400	1.95E-09	9.31	2.10E-10
1,851.400	1.59E-09	9.26	1.72E-10
1,865.800	1.42E-09	9.33	1.53E-10
1,869.000	1.34E-09	9.35	1.43E-10
1,864.600	1.21E-09	9.32	1.30E-10
1,868.600	1.16E-09	9.34	1.24E-10
Band Exposure Quotient:			1.38E-08

Total number of measurements: 572

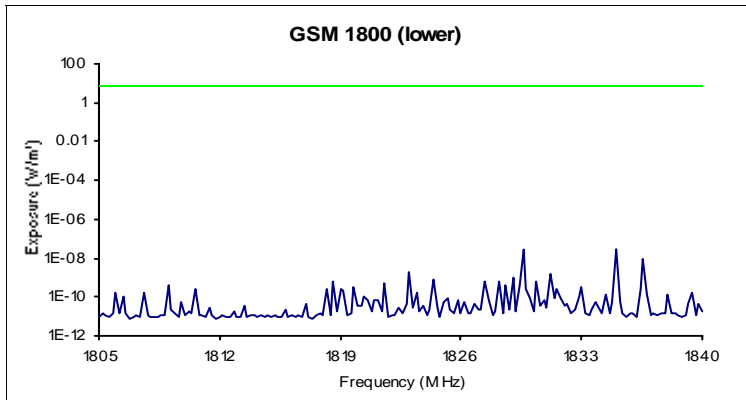
Total Band Exposure Quotient: 9.92E-08

Site: Weston Favell Lower School (2nd audit)
Location: Centre of hall
NGR: SP 7876 6200 **Taken from GPS**
Start Time: 15 January 2004 14:36:19
Officer: John Taylor

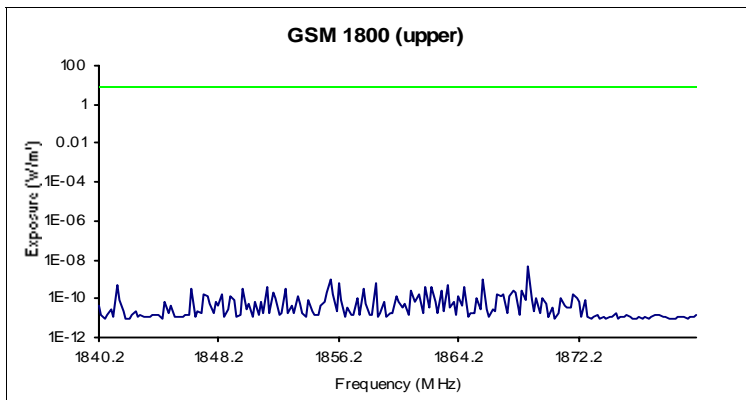
Receiver:
 Manufacturer: ROHDE&SCHWARZ
 Model: EB200
 Serial Number: 837.752/003
Antenna:
 Manufacturer: Rohde & Schwarz
 Model: HE200
 Serial Number: 728264/025



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
939.000	1.79E-07	4.70	3.81E-08
952.000	6.40E-08	4.76	1.34E-08
939.600	5.05E-08	4.70	1.08E-08
948.400	3.74E-08	4.74	7.88E-09
949.200	2.31E-09	4.75	4.86E-10
939.200	1.52E-09	4.70	3.25E-10
945.800	1.38E-09	4.73	2.92E-10
942.800	1.34E-09	4.71	2.84E-10
959.800	1.36E-09	4.80	2.84E-10
957.800	1.26E-09	4.79	2.64E-10
Band Exposure Quotient:			7.70E-08



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,835.000	2.95E-08	9.18	3.22E-09
1,829.600	2.79E-08	9.15	3.05E-09
1,836.600	9.36E-09	9.18	1.02E-09
1,823.000	2.10E-09	9.12	2.30E-10
1,831.200	1.44E-09	9.16	1.57E-10
1,829.000	8.83E-10	9.14	9.65E-11
1,824.400	7.80E-10	9.12	8.55E-11
1,827.400	6.83E-10	9.14	7.48E-11
1,830.400	6.71E-10	9.15	7.33E-11
1,828.200	6.38E-10	9.14	6.98E-11
Band Exposure Quotient:			9.10E-09



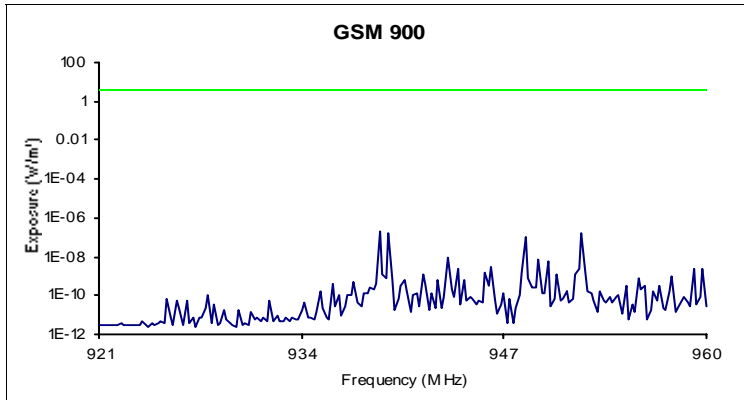
Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,868.800	4.42E-09	9.34	4.73E-10
1,855.600	1.04E-09	9.28	1.12E-10
1,865.800	9.62E-10	9.33	1.03E-10
1,856.200	7.02E-10	9.28	7.56E-11
1,858.600	6.58E-10	9.29	7.08E-11
1,863.400	4.80E-10	9.32	5.16E-11
1,841.400	4.62E-10	9.21	5.02E-11
1,862.400	4.37E-10	9.31	4.70E-11
1,864.600	4.29E-10	9.32	4.60E-11
1,851.400	4.19E-10	9.26	4.53E-11
Band Exposure Quotient:			2.17E-09

Total number of measurements: 572

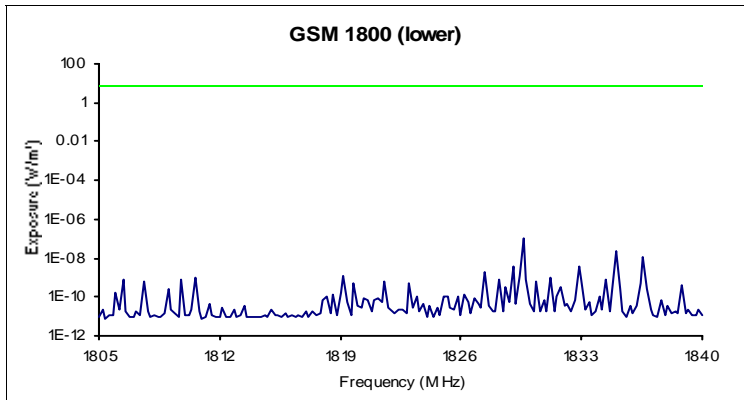
Total Band Exposure Quotient: **8.83E-08**

Site: Weston Favell Lower School (2nd audit)
Location: Classroom 32 (Mrs Heslop)
NGR: SP 7876 6200 **Taken from GPS**
Start Time: 15 January 2004 14:53:33
Officer: John Taylor

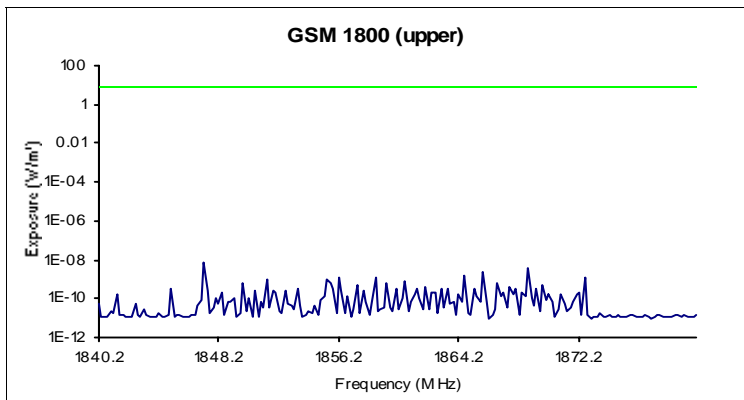
Receiver:
 Manufacturer: ROHDE&SCHWARZ
 Model: EB200
 Serial Number: 837.752/003
Antenna:
 Manufacturer: Rohde & Schwarz
 Model: HE200
 Serial Number: 728264/025



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
939.000	2.06E-07	4.70	4.38E-08
939.600	1.64E-07	4.70	3.48E-08
952.000	1.64E-07	4.76	3.45E-08
948.400	9.83E-08	4.74	2.07E-08
943.400	8.27E-09	4.72	1.75E-09
949.200	6.97E-09	4.75	1.47E-09
949.800	5.42E-09	4.75	1.14E-09
946.200	2.82E-09	4.73	5.96E-10
959.800	2.42E-09	4.80	5.04E-10
944.000	2.33E-09	4.72	4.94E-10
Band Exposure Quotient:			1.46E-07



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,829.600	9.47E-08	9.15	1.03E-08
1,835.000	2.04E-08	9.18	2.23E-09
1,836.600	1.05E-08	9.18	1.14E-09
1,829.000	3.76E-09	9.14	4.12E-10
1,832.800	3.38E-09	9.16	3.69E-10
1,827.400	1.84E-09	9.14	2.01E-10
1,829.400	1.31E-09	9.15	1.43E-10
1,819.200	1.25E-09	9.10	1.38E-10
1,810.600	9.16E-10	9.05	1.01E-10
1,831.200	8.86E-10	9.16	9.68E-11
Band Exposure Quotient:			1.68E-08



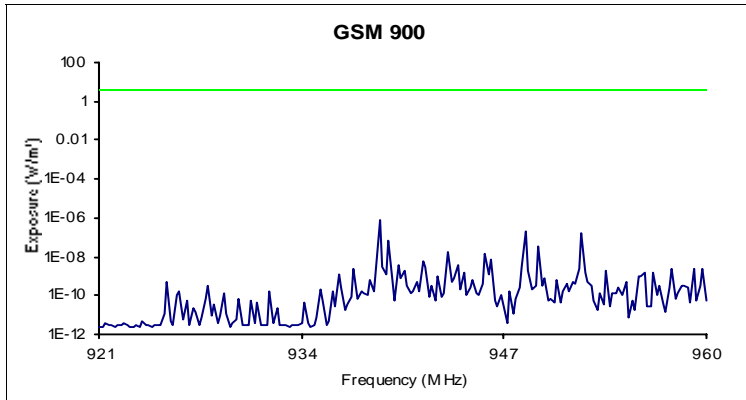
Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,847.200	7.23E-09	9.24	7.83E-10
1,868.800	3.51E-09	9.34	3.76E-10
1,865.800	2.53E-09	9.33	2.71E-10
1,864.600	1.56E-09	9.32	1.67E-10
1,856.200	1.37E-09	9.28	1.47E-10
1,872.600	1.17E-09	9.36	1.25E-10
1,858.600	1.14E-09	9.29	1.23E-10
1,851.400	9.83E-10	9.26	1.06E-10
1,855.400	9.67E-10	9.28	1.04E-10
1,860.600	7.07E-10	9.30	7.60E-11
Band Exposure Quotient:			4.04E-09

Total number of measurements: 572

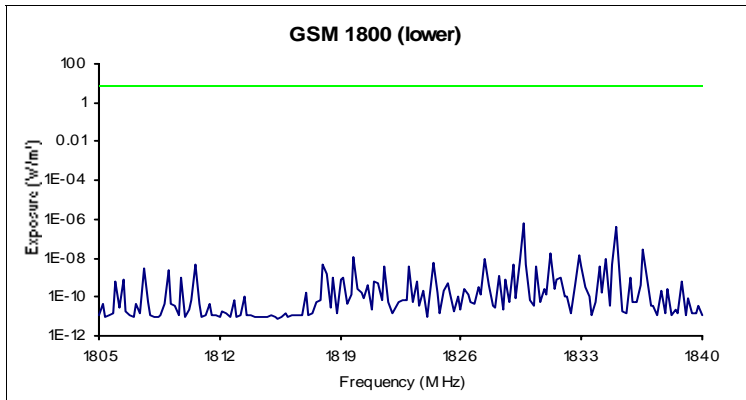
Total Band Exposure Quotient: **1.67E-07**

Site: Weston Favell Lower School (2nd audit)
Location: Centre of playground
NGR: SP 7878 6200 **Taken from GPS**
Start Time: 15 January 2004 15:07:22
Officer: John Taylor

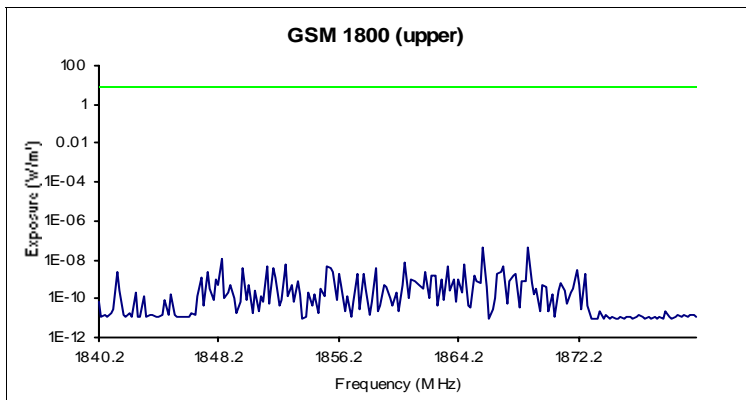
Receiver:
 Manufacturer: ROHDE&SCHWARZ
 Model: EB200
 Serial Number: 837.752/003
Antenna:
 Manufacturer: Rohde & Schwarz
 Model: HE200
 Serial Number: 728264/025



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
939.000	8.00E-07	4.70	1.70E-07
948.400	2.25E-07	4.74	4.75E-08
952.000	1.64E-07	4.76	3.45E-08
939.600	6.51E-08	4.70	1.39E-08
949.200	3.49E-08	4.75	7.36E-09
943.400	1.85E-08	4.72	3.92E-09
945.800	1.38E-08	4.73	2.92E-09
946.200	6.61E-09	4.73	1.40E-09
941.800	6.25E-09	4.71	1.33E-09
940.200	3.84E-09	4.70	8.17E-10
Band Exposure Quotient:			2.98E-07



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,829.600	5.57E-07	9.15	6.09E-08
1,835.000	4.17E-07	9.18	4.55E-08
1,836.600	2.83E-08	9.18	3.08E-09
1,831.200	1.61E-08	9.16	1.76E-09
1,832.800	1.41E-08	9.16	1.54E-09
1,819.800	1.15E-08	9.10	1.26E-09
1,827.400	9.22E-09	9.14	1.01E-09
1,834.400	8.91E-09	9.17	9.71E-10
1,824.400	6.49E-09	9.12	7.12E-10
1,829.400	5.84E-09	9.15	6.38E-10
Band Exposure Quotient:			1.25E-07



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,868.800	4.32E-08	9.34	4.62E-09
1,865.800	4.01E-08	9.33	4.30E-09
1,848.400	1.10E-08	9.24	1.19E-09
1,860.600	6.91E-09	9.30	7.43E-10
1,852.600	6.07E-09	9.26	6.56E-10
1,864.600	5.92E-09	9.32	6.35E-10
1,867.200	4.62E-09	9.34	4.95E-10
1,851.400	4.39E-09	9.26	4.74E-10
1,863.400	4.38E-09	9.32	4.70E-10
1,855.400	4.22E-09	9.28	4.55E-10
Band Exposure Quotient:			2.24E-08

Total number of measurements: 572

Total Band Exposure Quotient: **4.46E-07**

Site: Weston Favell Lower School (2nd audit)

Location: Practical area off classroom 2

NGR: SP 7877 6202 **Taken from GPS**

Start Time: 15 January 2004 15:23:03

Officer: John Taylor

Receiver:

Manufacturer: ROHDE&SCHWARZ

Model: EB200

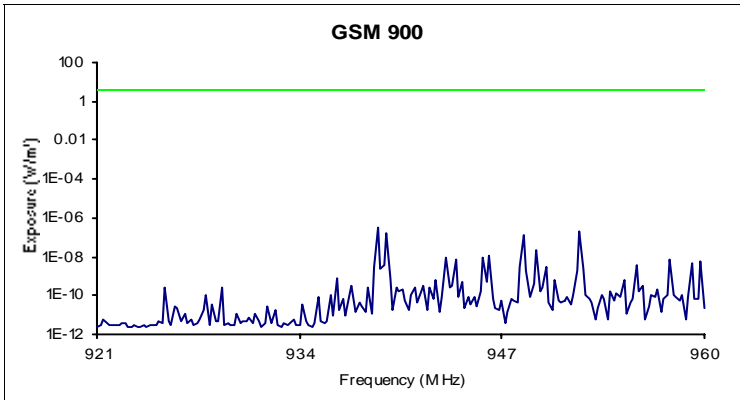
Serial Number: 837.752/003

Antenna:

Manufacturer: Rohde & Schwarz

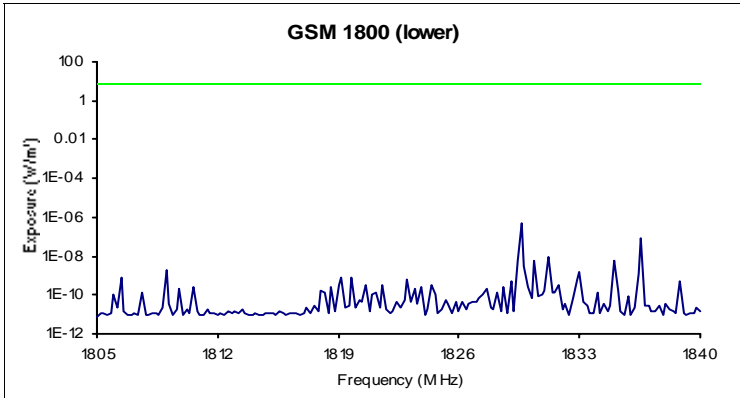
Model: HE200

Serial Number: 728264/025



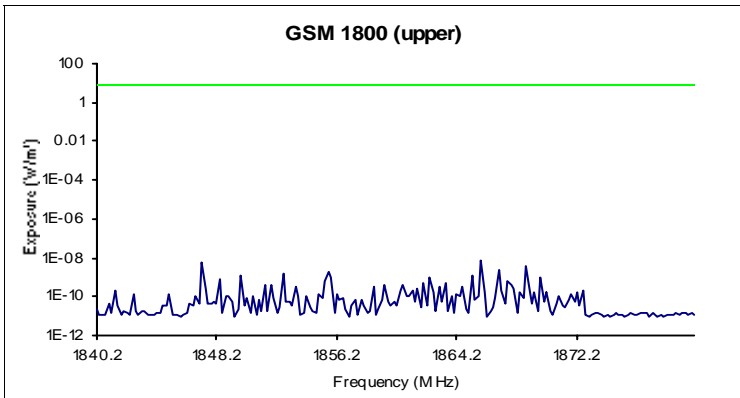
Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
939.000	2.90E-07	4.70	6.19E-08
952.000	1.85E-07	4.76	3.88E-08
939.600	1.75E-07	4.70	3.73E-08
948.400	1.18E-07	4.74	2.49E-08
949.200	2.31E-08	4.75	4.86E-09
946.200	1.23E-08	4.73	2.60E-09
945.800	1.00E-08	4.73	2.11E-09
943.400	9.94E-09	4.72	2.11E-09
944.000	7.73E-09	4.72	1.64E-09
957.800	7.79E-09	4.79	1.63E-09

Band Exposure Quotient: 1.88E-07



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,829.600	5.20E-07	9.15	5.69E-08
1,836.600	9.15E-08	9.18	9.96E-09
1,831.200	9.28E-09	9.16	1.01E-09
1,830.400	6.12E-09	9.15	6.69E-10
1,835.000	5.63E-09	9.18	6.13E-10
1,829.400	5.57E-09	9.15	6.09E-10
1,829.800	3.06E-09	9.15	3.35E-10
1,809.000	1.87E-09	9.04	2.06E-10
1,833.000	1.51E-09	9.16	1.65E-10
1,836.400	1.18E-09	9.18	1.28E-10

Band Exposure Quotient: 7.20E-08



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,865.800	6.66E-09	9.33	7.14E-10
1,847.200	6.02E-09	9.24	6.52E-10
1,868.800	3.76E-09	9.34	4.03E-10
1,867.000	2.26E-09	9.34	2.42E-10
1,855.600	1.80E-09	9.28	1.94E-10
1,852.600	1.46E-09	9.26	1.57E-10
1,865.200	1.36E-09	9.33	1.46E-10
1,849.800	1.15E-09	9.25	1.25E-10
1,855.800	1.09E-09	9.28	1.17E-10
1,869.800	1.04E-09	9.35	1.11E-10

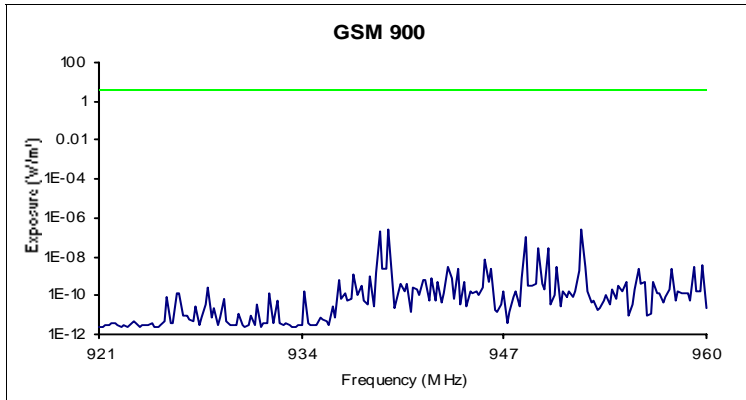
Band Exposure Quotient: 4.62E-09

Total number of measurements: 572

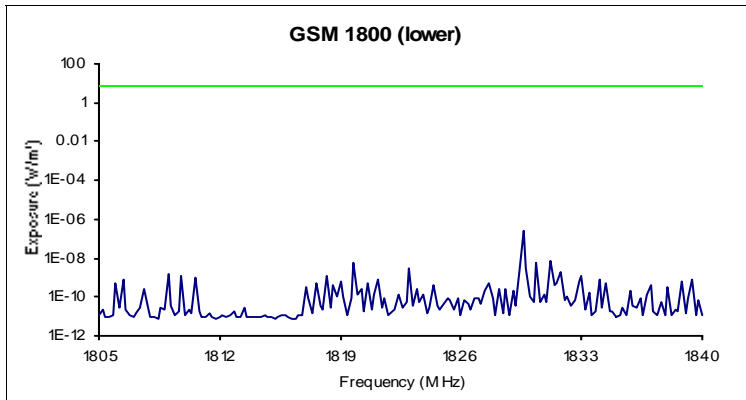
Total Band Exposure Quotient: 2.65E-07

Site: Weston Favell Lower School (2nd audit)
Location: Playground behind hall
NGR: SP 7876 6202 **Taken from GPS**
Start Time: 15 January 2004 15:37:05
Officer: John Taylor

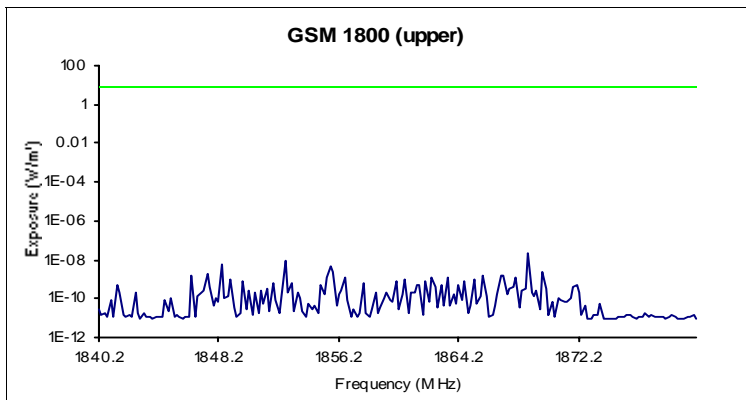
Receiver:
 Manufacturer: ROHDE&SCHWARZ
 Model: EB200
 Serial Number: 837.752/003
Antenna:
 Manufacturer: Rohde & Schwarz
 Model: HE200
 Serial Number: 728264/025



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
939.600	2.71E-07	4.70	5.78E-08
952.000	2.67E-07	4.76	5.60E-08
939.000	2.25E-07	4.70	4.80E-08
948.400	1.05E-07	4.74	2.22E-08
949.200	2.97E-08	4.75	6.26E-09
949.800	2.48E-08	4.75	5.21E-09
945.800	7.08E-09	4.73	1.50E-09
959.800	3.58E-09	4.80	7.46E-10
943.400	3.29E-09	4.72	6.98E-10
959.200	3.34E-09	4.80	6.96E-10
Band Exposure Quotient:			2.09E-07



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,829.600	2.61E-07	9.15	2.85E-08
1,831.200	6.57E-09	9.16	7.17E-10
1,819.800	6.01E-09	9.10	6.60E-10
1,830.400	5.58E-09	9.15	6.10E-10
1,823.000	3.17E-09	9.12	3.48E-10
1,829.800	2.99E-09	9.15	3.27E-10
1,829.400	2.79E-09	9.15	3.05E-10
1,831.800	2.13E-09	9.16	2.32E-10
1,809.000	1.48E-09	9.04	1.64E-10
1,818.200	1.34E-09	9.09	1.48E-10
Band Exposure Quotient:			3.42E-08



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,868.800	2.02E-08	9.34	2.16E-09
1,852.600	8.38E-09	9.26	9.05E-10
1,848.400	6.03E-09	9.24	6.52E-10
1,855.600	4.96E-09	9.28	5.35E-10
1,869.800	2.22E-09	9.35	2.37E-10
1,855.800	2.17E-09	9.28	2.34E-10
1,847.400	1.78E-09	9.24	1.92E-10
1,846.400	1.66E-09	9.23	1.79E-10
1,865.800	1.60E-09	9.33	1.71E-10
1,867.200	1.49E-09	9.34	1.60E-10
Band Exposure Quotient:			8.86E-09

Total number of measurements: 572

Total Band Exposure Quotient: **2.52E-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