

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

Audit site: Newgate Lane Primary and Nursery School  
Newgate Lane  
Mansfield  
NG18 2LB

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](mailto: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](http://www.ofcom.org.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.

Ofcom performed this survey of the RF emission environment prevailing in the vicinity of Newgate Lane Primary and Nursery School on 2 December 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
Centre of blue circle in playground by Nursery door	1.63E-04	1/6130
Nursery playground	1.93E-05	1/51734
Centre of School Hall	1.62E-05	1/61861
Year 3 classroom	1.00E-05	1/99514
Year 5 classroom	1.93E-06	1/518719
Nursery	1.81E-06	1/553961
Area outside class 2	1.60E-06	1/626838

Issued on behalf of Ofcom.

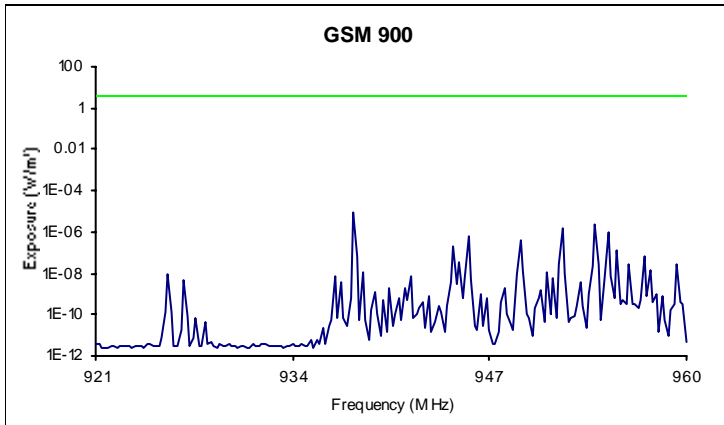
Issued by:

Received by:

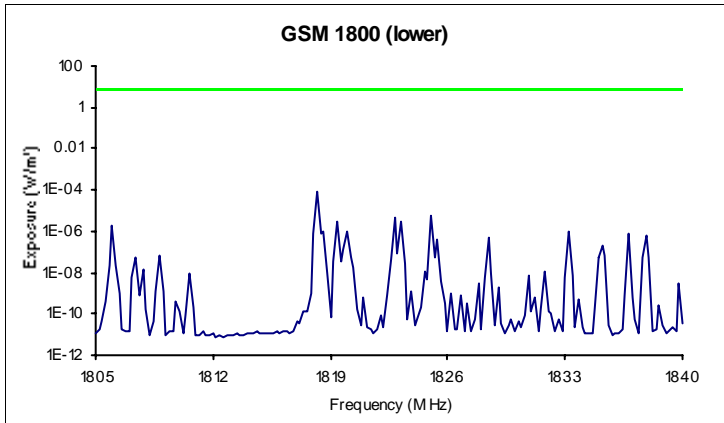
John Taylor  
Technical Investigation Officer

Mrs C French  
Head Teacher

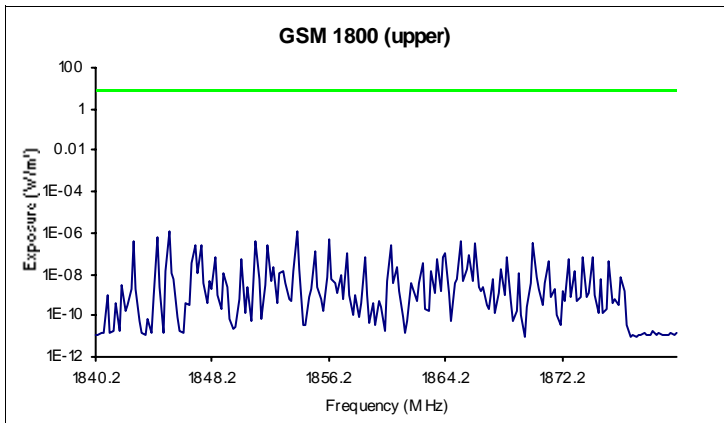
<b>Site:</b> Newgate Lane Primary and Nursery School	<b>Receiver:</b>
<b>Location:</b> Centre of School Hall	Manufacturer: ROHDE&SCHWARZ
<b>NGR:</b> SK 5447 6111 <b>Taken from GPS</b>	Model: EB200
<b>Start Time:</b> 02 December 2004 10:36:33	Serial Number: 837.752/003
<b>Officer:</b> John Taylor	<b>Antenna:</b>
	Manufacturer: Rohde & Schwarz
	Model: HE200
	Serial Number: 728264/025



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
938.000	9.82E-06	4.69	2.09E-06
954.000	2.56E-06	4.77	5.36E-07
951.800	1.50E-06	4.76	3.15E-07
954.800	8.69E-07	4.77	1.82E-07
945.600	6.16E-07	4.73	1.30E-07
949.000	4.01E-07	4.75	8.45E-08
944.600	2.04E-07	4.72	4.31E-08
955.400	1.20E-07	4.78	2.51E-08
938.200	6.95E-08	4.69	1.48E-08
957.200	6.78E-08	4.79	1.42E-08
<b>Band Exposure Quotient:</b>			<b>3.51E-06</b>



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,818.200	8.08E-05	9.09	8.89E-06
1,825.000	5.53E-06	9.13	6.06E-07
1,822.800	4.91E-06	9.11	5.39E-07
1,823.200	3.25E-06	9.12	3.56E-07
1,819.400	3.15E-06	9.10	3.46E-07
1,806.000	1.99E-06	9.03	2.20E-07
1,820.000	1.02E-06	9.10	1.12E-07
1,818.600	9.50E-07	9.09	1.05E-07
1,833.200	9.53E-07	9.17	1.04E-07
1,818.000	8.08E-07	9.09	8.89E-08
<b>Band Exposure Quotient:</b>			<b>1.18E-05</b>

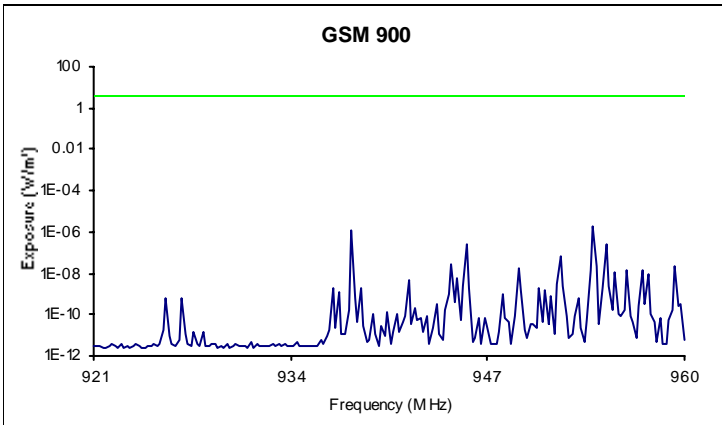


Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,854.000	1.11E-06	9.27	1.20E-07
1,845.200	1.09E-06	9.23	1.18E-07
1,844.400	5.59E-07	9.22	6.06E-08
1,856.200	5.08E-07	9.28	5.48E-08
1,851.200	4.10E-07	9.26	4.43E-08
1,842.800	4.04E-07	9.21	4.38E-08
1,865.200	3.92E-07	9.33	4.20E-08
1,870.200	3.36E-07	9.35	3.60E-08
1,866.200	3.12E-07	9.33	3.34E-08
1,847.400	2.69E-07	9.24	2.91E-08
<b>Band Exposure Quotient:</b>			<b>8.32E-07</b>

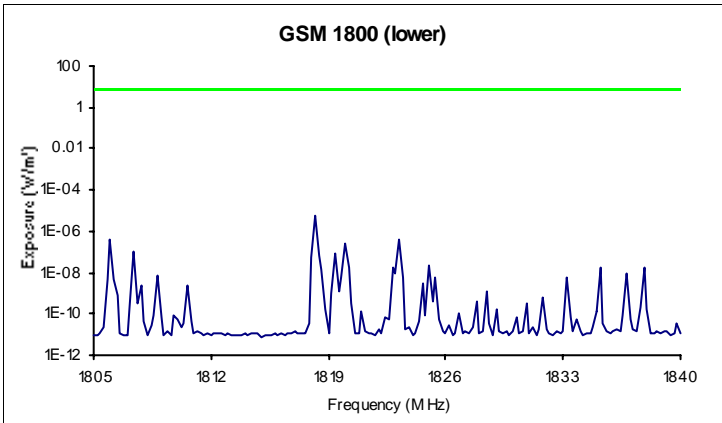
Total number of measurements: 572

**Total Band Exposure Quotient:** **1.62E-05**

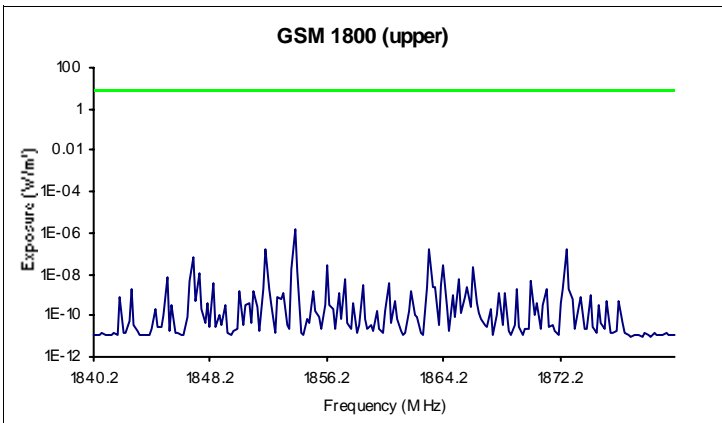
<b>Site:</b> Newgate Lane Primary and Nursery School	<b>Receiver:</b>
<b>Location:</b> Year 5 classroom	Manufacturer: ROHDE&SCHWARZ
<b>NGR:</b> ZU 0000 0000 <b>Taken from GPS</b>	Model: EB200
<b>Start Time:</b> 02 December 2004 10:51:00	Serial Number: 837.752/003
<b>Officer:</b> John Taylor	<b>Antenna:</b>
	Manufacturer: Rohde & Schwarz
	Model: HE200
	Serial Number: 728264/025



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
954.000	2.08E-06	4.77	4.36E-07
938.000	1.13E-06	4.69	2.40E-07
954.800	2.62E-07	4.77	5.49E-08
945.600	2.45E-07	4.73	5.19E-08
951.800	7.34E-08	4.76	1.54E-08
944.600	3.01E-08	4.72	6.37E-09
954.200	2.08E-08	4.77	4.36E-09
959.400	2.06E-08	4.80	4.29E-09
949.000	1.60E-08	4.75	3.36E-09
953.800	1.54E-08	4.77	3.23E-09
<b>Band Exposure Quotient:</b>			<b>8.41E-07</b>



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,818.200	6.13E-06	9.09	6.75E-07
1,806.000	4.15E-07	9.03	4.60E-08
1,823.200	3.99E-07	9.12	4.38E-08
1,820.000	2.75E-07	9.10	3.02E-08
1,807.400	1.05E-07	9.04	1.16E-08
1,819.400	9.09E-08	9.10	9.99E-09
1,818.400	6.28E-08	9.09	6.90E-09
1,818.000	5.34E-08	9.09	5.87E-09
1,825.000	2.36E-08	9.13	2.59E-09
1,837.800	1.96E-08	9.19	2.13E-09
<b>Band Exposure Quotient:</b>			<b>8.49E-07</b>

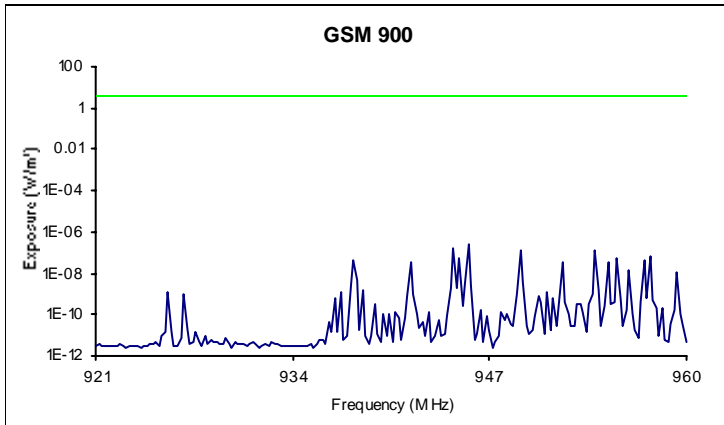


Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,854.000	1.46E-06	9.27	1.58E-07
1,852.000	1.63E-07	9.26	1.76E-08
1,863.200	1.59E-07	9.32	1.71E-08
1,872.600	1.47E-07	9.36	1.57E-08
1,847.000	6.16E-08	9.23	6.67E-09
1,864.200	2.70E-08	9.32	2.90E-09
1,856.200	2.67E-08	9.28	2.87E-09
1,866.200	2.36E-08	9.33	2.53E-09
1,853.800	1.84E-08	9.27	1.98E-09
1,854.200	1.36E-08	9.27	1.47E-09
<b>Band Exposure Quotient:</b>			<b>2.38E-07</b>

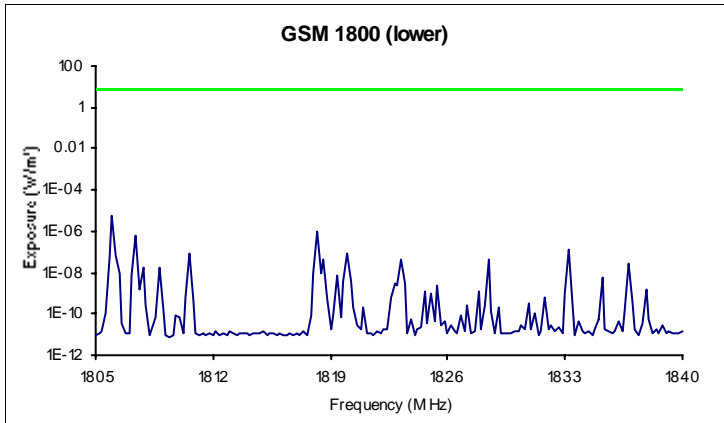
Total number of measurements: 572

**Total Band Exposure Quotient:** **1.93E-06**

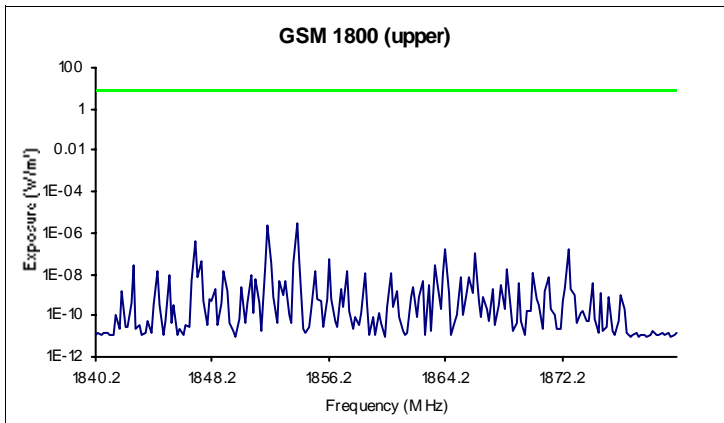
<b>Site:</b> Newgate Lane Primary and Nursery School	<b>Receiver:</b>
<b>Location:</b> Nursery	Manufacturer: ROHDE&SCHWARZ
<b>NGR:</b> ZU 0000 0000	Model: EB200
<b>Start Time:</b> 02 December 2004 11:06:11	Serial Number: 837.752/003
<b>Officer:</b> John Taylor	<b>Antenna:</b>
	Manufacturer: Rohde & Schwarz
	Model: HE200
	Serial Number: 728264/025



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
945.600	2.75E-07	4.73	5.82E-08
944.600	1.81E-07	4.72	3.84E-08
949.000	1.36E-07	4.75	2.86E-08
954.000	1.31E-07	4.77	2.75E-08
957.600	6.94E-08	4.79	1.45E-08
945.000	5.74E-08	4.72	1.22E-08
955.400	5.12E-08	4.78	1.07E-08
957.200	4.18E-08	4.79	8.73E-09
938.000	4.09E-08	4.69	8.73E-09
951.800	3.51E-08	4.76	7.38E-09
<b>Band Exposure Quotient:</b>			<b>2.43E-07</b>



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,806.000	5.23E-06	9.03	5.79E-07
1,818.200	8.86E-07	9.09	9.75E-08
1,807.400	6.16E-07	9.04	6.82E-08
1,833.200	1.28E-07	9.17	1.40E-08
1,810.600	9.37E-08	9.05	1.04E-08
1,820.000	9.31E-08	9.10	1.02E-08
1,806.200	6.15E-08	9.03	6.81E-09
1,805.800	6.00E-08	9.03	6.65E-09
1,823.200	4.80E-08	9.12	5.27E-09
1,818.600	4.34E-08	9.09	4.78E-09
<b>Band Exposure Quotient:</b>			<b>8.24E-07</b>

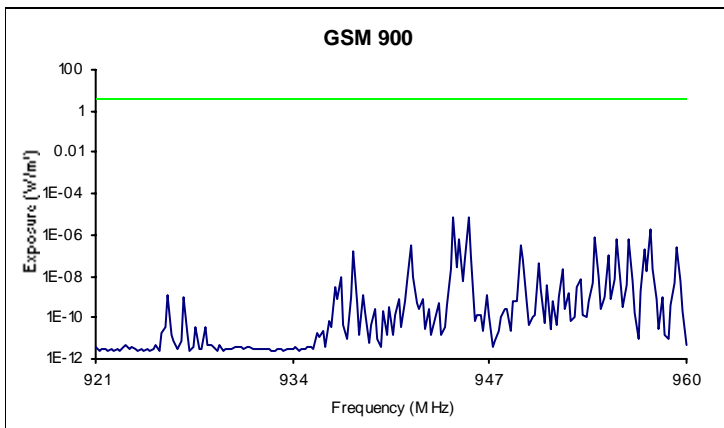


Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,854.000	3.05E-06	9.27	3.29E-07
1,852.000	2.42E-06	9.26	2.61E-07
1,847.000	4.07E-07	9.23	4.40E-08
1,872.600	1.65E-07	9.36	1.77E-08
1,864.200	1.56E-07	9.32	1.67E-08
1,866.200	1.06E-07	9.33	1.13E-08
1,856.200	5.97E-08	9.28	6.44E-09
1,854.200	4.02E-08	9.27	4.34E-09
1,847.400	3.98E-08	9.24	4.31E-09
1,852.200	3.41E-08	9.26	3.69E-09
<b>Band Exposure Quotient:</b>			<b>7.38E-07</b>

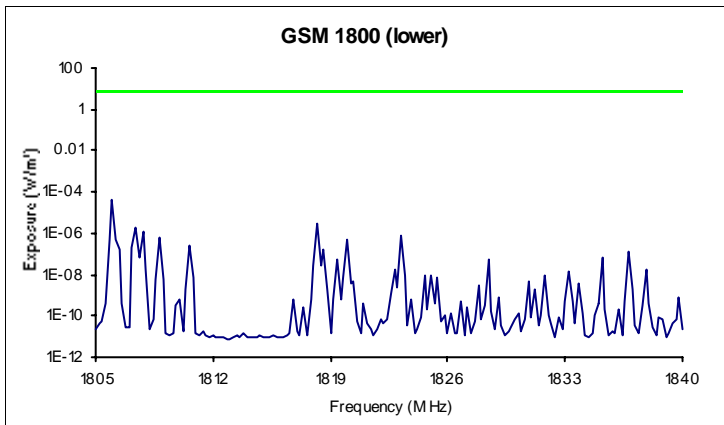
Total number of measurements: 572

**Total Band Exposure Quotient:** **1.81E-06**

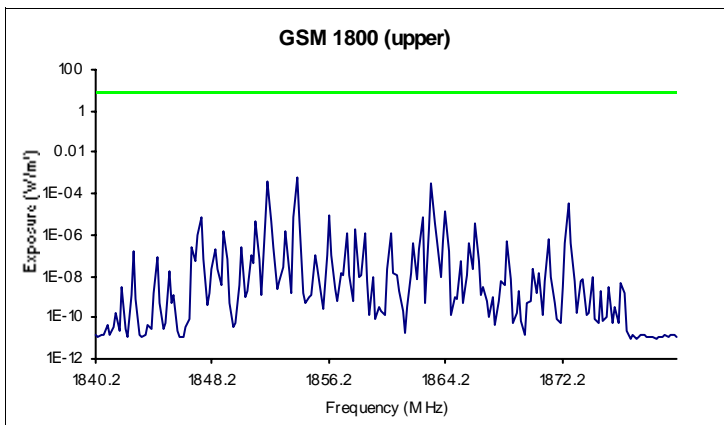
<b>Site:</b> Newgate Lane Primary and Nursery School	<b>Receiver:</b>
<b>Location:</b> Centre of blue circle in playground by Nursery door	Manufacturer: ROHDE&SCHWARZ
<b>NGR:</b> SK 5449 6109 <b>Taken from GPS</b>	Model: EB200
<b>Start Time:</b> 02 December 2004 11:22:01	Serial Number: 837.752/003
<b>Officer:</b> John Taylor	<b>Antenna:</b>
	Manufacturer: Rohde & Schwarz
	Model: HE200
	Serial Number: 728264/025



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
945.600	7.41E-06	4.73	1.57E-06
944.600	6.74E-06	4.72	1.43E-06
957.600	1.78E-06	4.79	3.73E-07
954.000	7.73E-07	4.77	1.62E-07
955.400	6.60E-07	4.78	1.38E-07
945.000	6.15E-07	4.72	1.30E-07
956.200	6.03E-07	4.78	1.26E-07
941.800	3.43E-07	4.71	7.29E-08
949.000	3.04E-07	4.75	6.41E-08
959.400	2.47E-07	4.80	5.16E-08
<b>Band Exposure Quotient:</b>			<b>4.32E-06</b>



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,806.000	4.56E-05	9.03	5.04E-06
1,818.200	2.94E-06	9.09	3.23E-07
1,807.400	1.90E-06	9.04	2.11E-07
1,807.800	1.20E-06	9.04	1.33E-07
1,823.200	8.15E-07	9.12	8.95E-08
1,808.800	6.17E-07	9.04	6.83E-08
1,820.000	4.89E-07	9.10	5.37E-08
1,806.200	4.77E-07	9.03	5.28E-08
1,805.800	4.55E-07	9.03	5.04E-08
1,810.600	2.41E-07	9.05	2.66E-08
<b>Band Exposure Quotient:</b>			<b>6.18E-06</b>

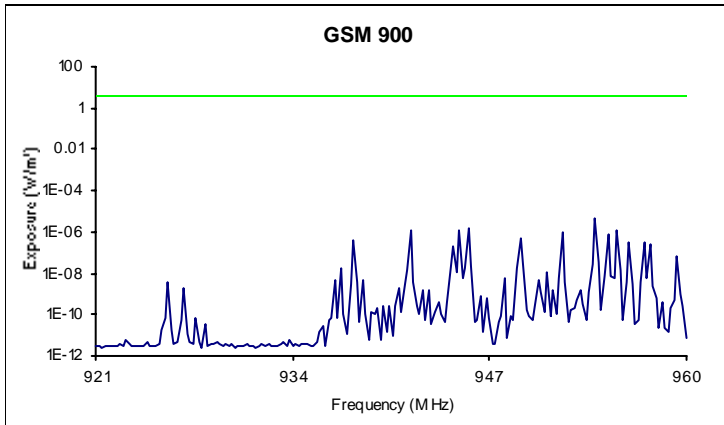


Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,854.000	5.55E-04	9.27	5.99E-05
1,852.000	4.01E-04	9.26	4.33E-05
1,863.200	3.40E-04	9.32	3.65E-05
1,872.600	3.15E-05	9.36	3.37E-06
1,864.200	1.36E-05	9.32	1.45E-06
1,856.200	9.04E-06	9.28	9.74E-07
1,854.200	7.16E-06	9.27	7.72E-07
1,862.600	6.93E-06	9.31	7.44E-07
1,853.800	6.67E-06	9.27	7.20E-07
1,847.400	6.45E-06	9.24	6.98E-07
<b>Band Exposure Quotient:</b>			<b>1.53E-04</b>

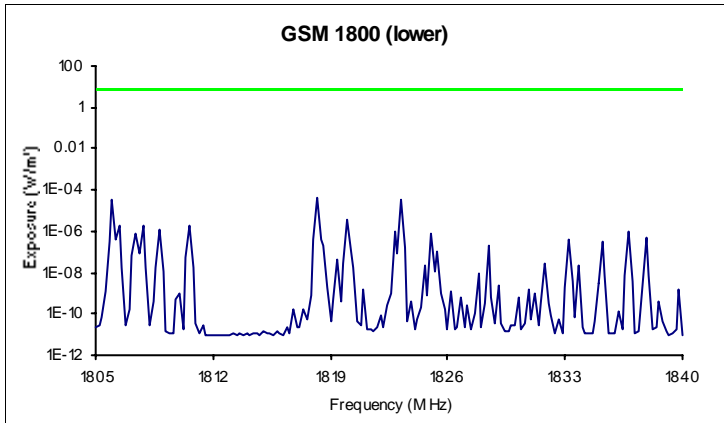
Total number of measurements: 572

**Total Band Exposure Quotient:** **1.63E-04**

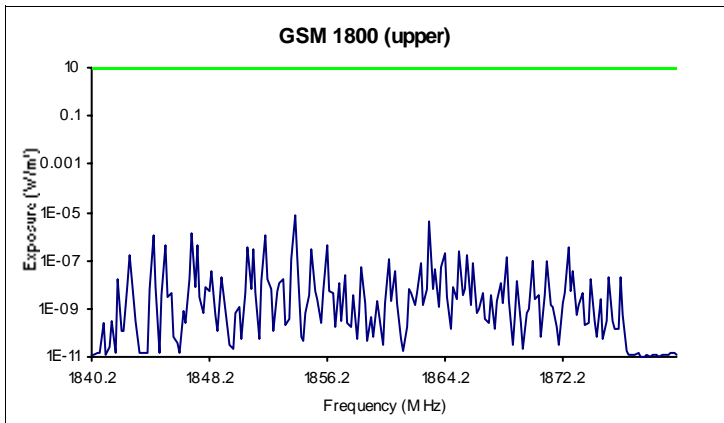
<b>Site:</b> Newgate Lane Primary and Nursery School	<b>Receiver:</b>
<b>Location:</b> Nursery playground	Manufacturer: ROHDE&SCHWARZ
<b>NGR:</b> SK 5445 6108 <b>Taken from GPS</b>	Model: EB200
<b>Start Time:</b> 02 December 2004 11:41:19	Serial Number: 837.752/003
<b>Officer:</b> John Taylor	<b>Antenna:</b>
	Manufacturer: Rohde & Schwarz
	Model: HE200
	Serial Number: 728264/025



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
954.000	4.15E-06	4.77	8.70E-07
945.600	1.51E-06	4.73	3.20E-07
945.000	1.23E-06	4.72	2.60E-07
941.800	1.22E-06	4.71	2.59E-07
955.400	1.09E-06	4.78	2.29E-07
951.800	9.03E-07	4.76	1.90E-07
954.800	8.11E-07	4.77	1.70E-07
949.000	4.50E-07	4.75	9.48E-08
938.000	3.91E-07	4.69	8.33E-08
956.200	3.31E-07	4.78	6.93E-08
<b>Band Exposure Quotient:</b>			<b>2.79E-06</b>



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,818.200	4.15E-05	9.09	4.56E-06
1,806.000	3.54E-05	9.03	3.92E-06
1,823.200	3.48E-05	9.12	3.82E-06
1,820.000	4.06E-06	9.10	4.47E-07
1,806.400	1.94E-06	9.03	2.15E-07
1,810.600	1.87E-06	9.05	2.07E-07
1,807.800	1.82E-06	9.04	2.01E-07
1,808.800	1.10E-06	9.04	1.21E-07
1,822.800	8.94E-07	9.11	9.80E-08
1,836.800	8.95E-07	9.18	9.74E-08
<b>Band Exposure Quotient:</b>			<b>1.43E-05</b>



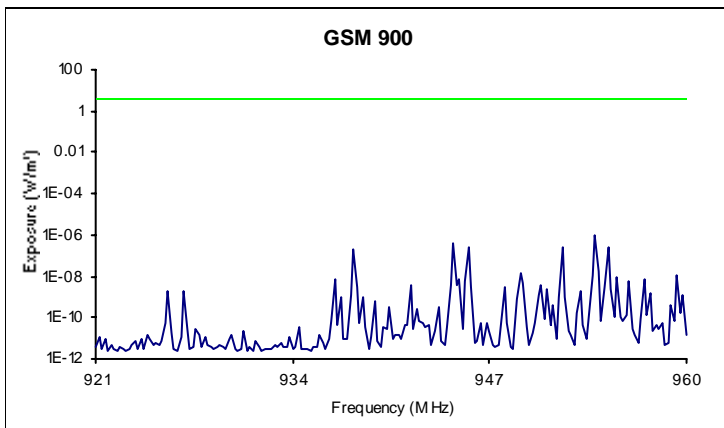
Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,854.000	8.21E-06	9.27	8.86E-07
1,863.200	4.09E-06	9.32	4.39E-07
1,847.000	1.41E-06	9.23	1.53E-07
1,852.000	1.18E-06	9.26	1.28E-07
1,844.400	1.02E-06	9.22	1.10E-07
1,856.200	4.23E-07	9.28	4.56E-08
1,845.200	4.15E-07	9.23	4.50E-08
1,847.400	4.07E-07	9.24	4.41E-08
1,872.600	3.62E-07	9.36	3.86E-08
1,850.800	3.40E-07	9.25	3.68E-08
<b>Band Exposure Quotient:</b>			<b>2.24E-06</b>

Total number of measurements: 572

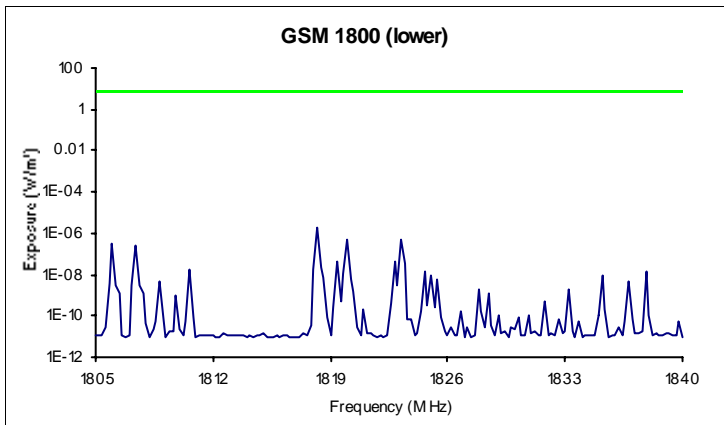
**Total Band Exposure Quotient:** **1.93E-05**



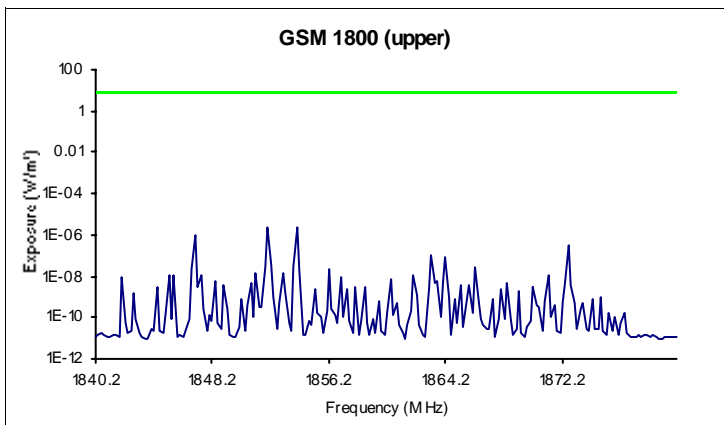
<b>Site:</b> Newgate Lane Primary and Nursery School	<b>Receiver:</b>
<b>Location:</b> Area outside class 2	Manufacturer: ROHDE&SCHWARZ
<b>NGR:</b> ZU 0000 0000	Model: EB200
<b>Start Time:</b> 02 December 2004 11:58:54	Serial Number: 837.752/003
<b>Officer:</b> John Taylor	<b>Antenna:</b>
	Manufacturer: Rohde & Schwarz
	Model: HE200
	Serial Number: 728264/025



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
954.000	9.73E-07	4.77	2.04E-07
944.600	3.79E-07	4.72	8.02E-08
954.800	2.62E-07	4.77	5.49E-08
945.600	2.34E-07	4.73	4.95E-08
951.800	2.32E-07	4.76	4.88E-08
938.000	2.00E-07	4.69	4.27E-08
954.200	1.85E-08	4.77	3.89E-09
949.000	1.39E-08	4.75	2.93E-09
953.800	1.09E-08	4.77	2.29E-09
959.400	1.08E-08	4.80	2.25E-09
<b>Band Exposure Quotient:</b>			<b>5.13E-07</b>



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,818.200	1.85E-06	9.09	2.04E-07
1,823.200	5.03E-07	9.12	5.52E-08
1,820.000	4.56E-07	9.10	5.01E-08
1,806.000	3.08E-07	9.03	3.41E-08
1,807.400	2.51E-07	9.04	2.78E-08
1,819.400	4.45E-08	9.10	4.89E-09
1,822.800	3.90E-08	9.11	4.28E-09
1,823.400	3.56E-08	9.12	3.91E-09
1,818.400	2.39E-08	9.09	2.63E-09
1,810.600	1.91E-08	9.05	2.11E-09
<b>Band Exposure Quotient:</b>			<b>4.04E-07</b>



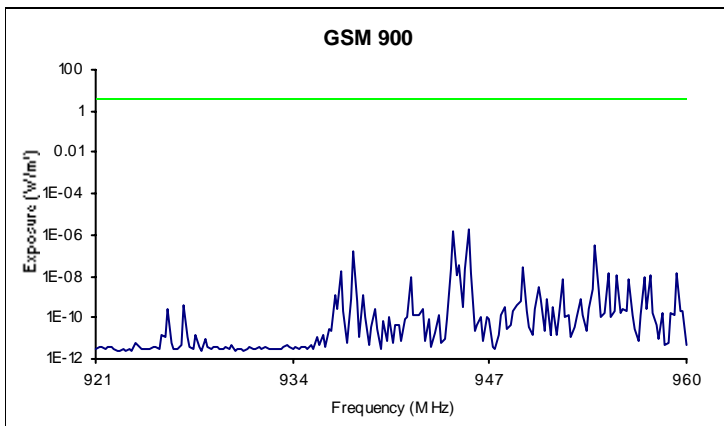
Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,852.000	2.25E-06	9.26	2.43E-07
1,854.000	2.21E-06	9.27	2.38E-07
1,847.000	9.10E-07	9.23	9.86E-08
1,872.600	3.30E-07	9.36	3.52E-08
1,863.200	1.07E-07	9.32	1.15E-08
1,864.200	8.96E-08	9.32	9.61E-09
1,852.200	3.41E-08	9.26	3.69E-09
1,853.800	2.72E-08	9.27	2.93E-09
1,851.800	2.71E-08	9.26	2.93E-09
1,866.200	2.59E-08	9.33	2.78E-09
<b>Band Exposure Quotient:</b>			<b>6.79E-07</b>

Total number of measurements: 572

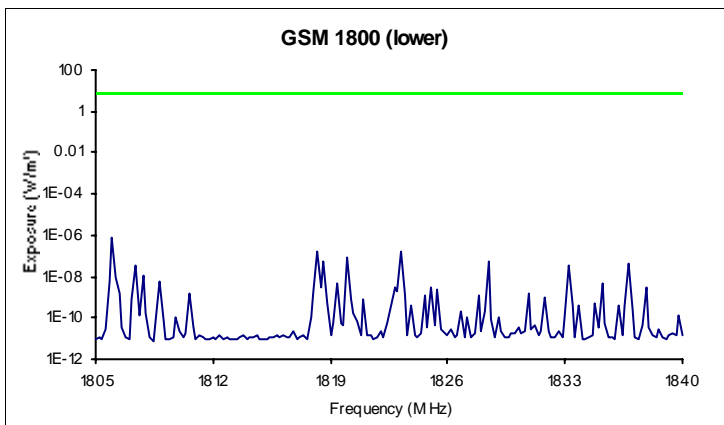
**Total Band Exposure Quotient:** **1.60E-06**



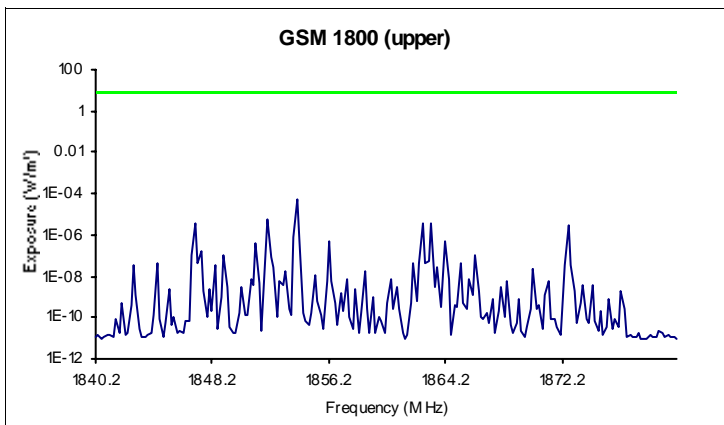
<b>Site:</b> Newgate Lane Primary and Nursery School	<b>Receiver:</b>
<b>Location:</b> Year 3 classroom	Manufacturer: ROHDE&SCHWARZ
<b>NGR:</b> ZU 0000 0000	Model: EB200
<b>Start Time:</b> 02 December 2004 12:13:01	Serial Number: 837.752/003
<b>Officer:</b> John Taylor	<b>Antenna:</b>
	Manufacturer: Rohde & Schwarz
	Model: HE200
	Serial Number: 728264/025



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
945.600	1.82E-06	4.73	3.85E-07
944.600	1.65E-06	4.72	3.50E-07
954.000	2.87E-07	4.77	6.02E-08
938.000	1.56E-07	4.69	3.32E-08
945.000	3.38E-08	4.72	7.15E-09
949.200	2.53E-08	4.75	5.33E-09
945.400	2.34E-08	4.73	4.95E-09
944.400	2.34E-08	4.72	4.95E-09
937.200	1.87E-08	4.69	3.98E-09
959.400	1.53E-08	4.80	3.18E-09
<b>Band Exposure Quotient:</b>			<b>8.83E-07</b>



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,806.000	7.74E-07	9.03	8.57E-08
1,823.200	1.63E-07	9.12	1.78E-08
1,818.200	1.58E-07	9.09	1.73E-08
1,820.000	8.49E-08	9.10	9.33E-09
1,818.600	5.73E-08	9.09	6.30E-09
1,828.400	5.19E-08	9.14	5.68E-09
1,836.800	4.48E-08	9.18	4.88E-09
1,807.400	3.80E-08	9.04	4.20E-09
1,833.200	3.15E-08	9.17	3.44E-09
1,807.800	1.05E-08	9.04	1.16E-09
<b>Band Exposure Quotient:</b>			<b>1.63E-07</b>



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,854.000	5.81E-05	9.27	6.27E-06
1,852.000	6.35E-06	9.26	6.86E-07
1,863.200	4.09E-06	9.32	4.39E-07
1,862.600	4.08E-06	9.31	4.38E-07
1,847.000	3.97E-06	9.23	4.30E-07
1,872.600	2.68E-06	9.36	2.86E-07
1,854.200	7.49E-07	9.27	8.08E-08
1,853.800	7.15E-07	9.27	7.71E-08
1,864.200	4.92E-07	9.32	5.28E-08
1,856.200	4.85E-07	9.28	5.23E-08
<b>Band Exposure Quotient:</b>			<b>9.00E-06</b>

Total number of measurements: 572

**Total Band Exposure Quotient:** **1.00E-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

<b>Frequency</b>	<b>ICNIRP limit</b>
10MHz to 400 MHz	2 W/m <sup>2</sup>
400MHz to 2GHz	f / 200 W/m <sup>2</sup>
2GHz to 300GHz	10 W/m <sup>2</sup>

(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