

**Baldock Radio Station
Royston Road
Baldock
Herts SG7 6SH**



**Mobile Phone
Base-Station Audit**

Audit Site: Bushmead Primary School
Bushmead Road
Eaton Socon
St Neots
PE19 8BT

Work Performed by		Distribution List	
James Loughlin Field Manager	3G measurements & Report	Lloyd Tailby	1
Mike Reynolds Field Officer	3G measurements	P Schneidereit	1
J Taylor T.I. Officer	2G measurements & 2G Report	J Taylor	1
		Technical Manager	1
		Case/Year file	2

This page left intentionally blank

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) performed this survey of the RF emission environment in the vicinity of Bushmead Primary School, Eaton Socon, St. Neots on the 27th October 2005. Both second generation (2G) and third generation (3G) base station emissions were measured separately and the signal levels combined to give 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	3G Exp. Quot.	2G Exp. Quot.	TOTAL Exp. Quot.	Related to ICNIRP limit
Car Park near School Entrance	4.76E-05	2.06E-04	2.54E-04	1/3937
Main Hall	6.12E-06	1.19E-04	1.25E-04	1/8000
Centre of Hard Court	1.82E-05	9.39E-05	1.12E-04	1/8929
IT Suite	8.83E-06	8.69E-05	9.57E-05	1/10450
Staff Room	5.71E-06	1.64E-05	2.21E-05	1/45250
Sycamore	3.01E-07	1.62E-05	1.65E-05	1/60606

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.

Initially the base station was scanned to ascertain the extent of 3G activity.

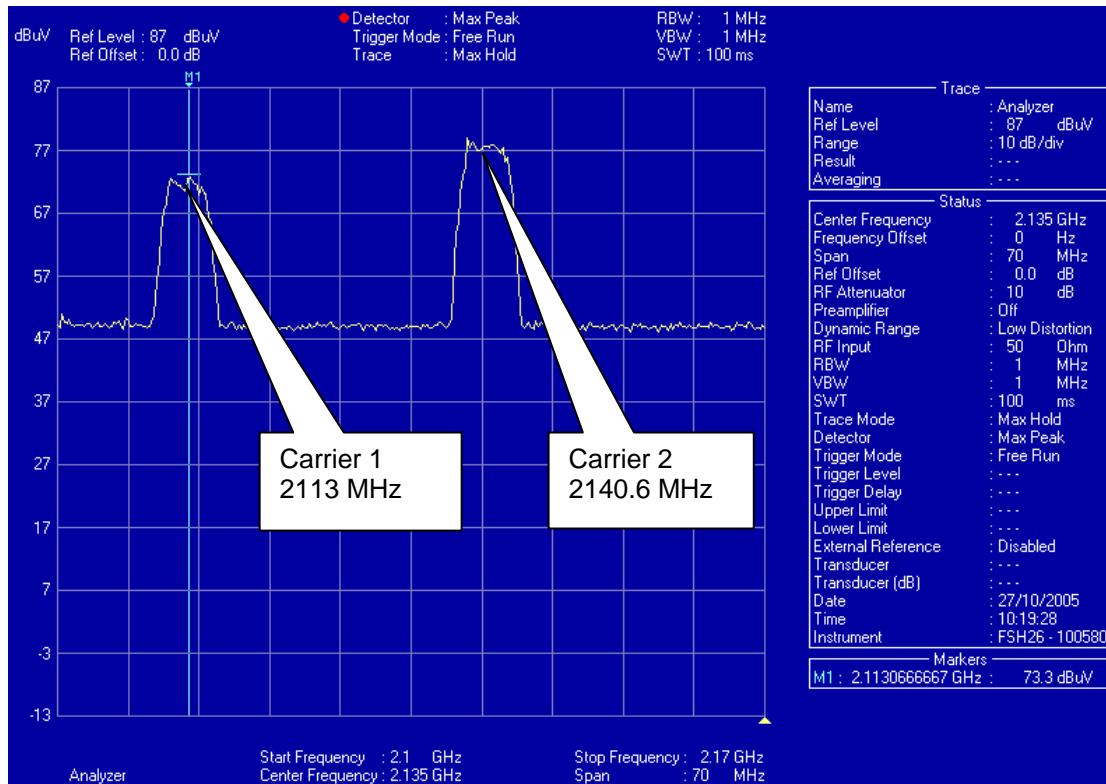


Figure 1

Figure 1 shows that a maximum of two transmissions were active in this area. At each measurement location the measuring antenna was then set up on a tripod 1.5m above ground or floor level. In this position each of the carriers field strengths were recorded.

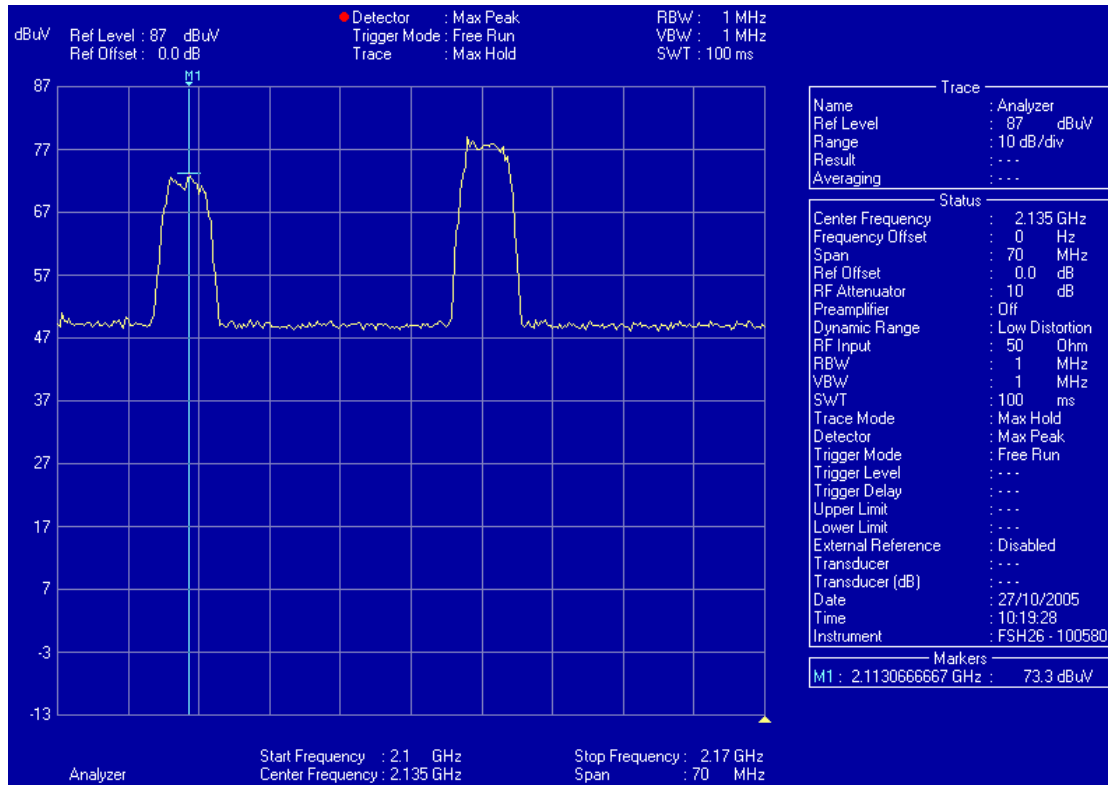
For each measurement location the 3G exposure quotient was then calculated for the individual carriers and then the total exposure quotient for all carriers was calculated. This in turn was added to the 2G exposure quotient before calculating the Total Exposure Quotient for each survey site.

All the 3G measurement data is given on pages 5 to 8, while the 2G data is contained in the annex to this report.

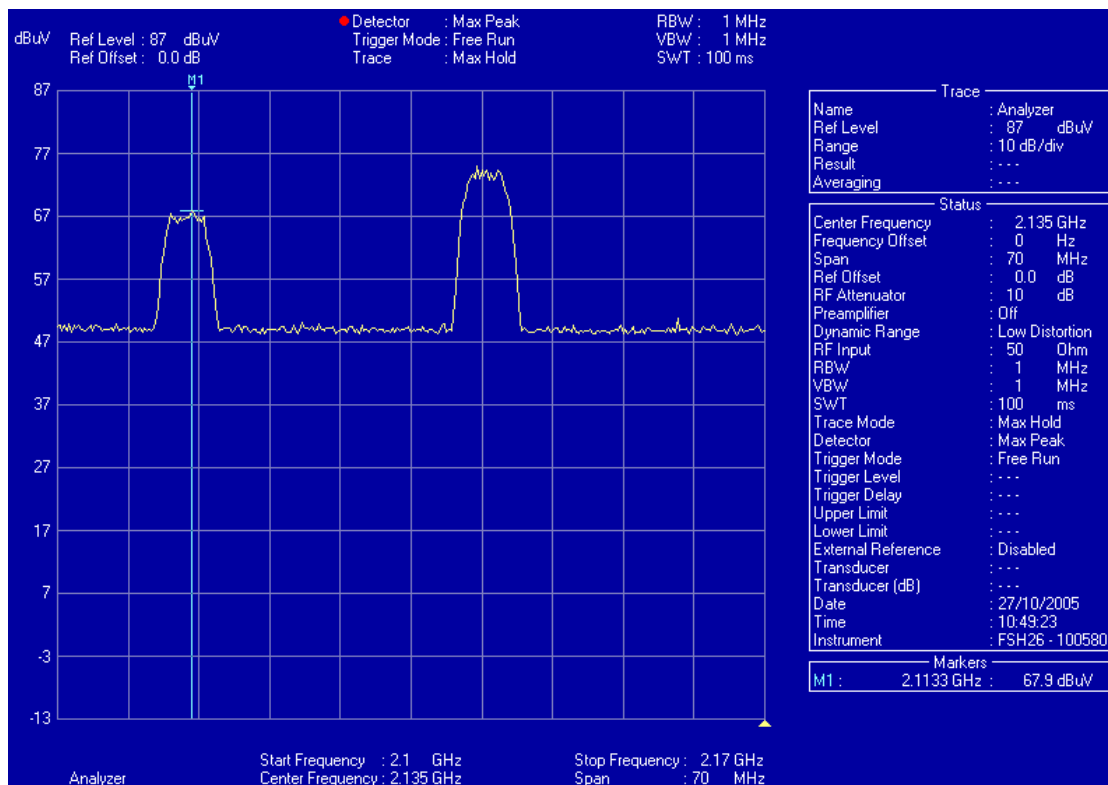
Equipment:	serial number:	CEMS number
FSH6 Spectrum Analyser	100580	200103
EMCO DRG 3115 horn Antenna	2153	200005
Garmin GPS75 receiver	37524369	200011
Reynolds cable 12MO	067	-

	Location	Carrier	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
1	Car Park near School Entrance	1	2113	105.8	194,984.5	0.194985	0.0001008466	0.0001008	10	0.000010084660	1.01E-05	4.76E-05
		2	2140.6	111.5	375,837.4	0.375837	0.0003746776	0.0003747	10	0.000037467760	3.75E-05	
2	Centre of Hard Court	1	2113	100.4	104,712.9	0.104713	0.0000290844	2.908E-05	10	0.000002908440	2.91E-06	1.82E-05
		2	2140.6	107.6	239,883.3	0.239883	0.0001526362	0.0001526	10	0.000015263620	1.53E-05	
3	IT Suite	1	2113	96.5	66,834.4	0.066834	0.0000118482	1.185E-05	10	0.000001184820	1.18E-06	8.83E-06
		2	2140.6	104.6	169,824.4	0.169824	0.0000764992	7.65E-05	10	0.000007649920	7.65E-06	
4	Main Hall	1	2113	99	89,125.1	0.089125	0.0000210697	2.107E-05	10	0.000002106970	2.11E-06	6.12E-06
		2	2140.6	101.8	123,026.9	0.123027	0.0000401476	4.015E-05	10	0.000004014760	4.01E-06	
5	Staff Room	1	2113	93.9	49,545.0	0.049545	0.0000065112	6.511E-06	10	0.000000651120	6.51E-07	5.71E-06
		2	2140.6	102.8	138,038.4	0.138038	0.0000505424	5.054E-05	10	0.000005054240	5.05E-06	
6	Sycamore	1	2113	84.2	16,218.1	0.016218	0.0000006977	6.977E-07	10	0.000000069770	6.98E-08	3.01E-07
		2	2140.6	89.4	29,512.1	0.029512	0.0000023102	2.31E-06	10	0.000000231020	2.31E-07	

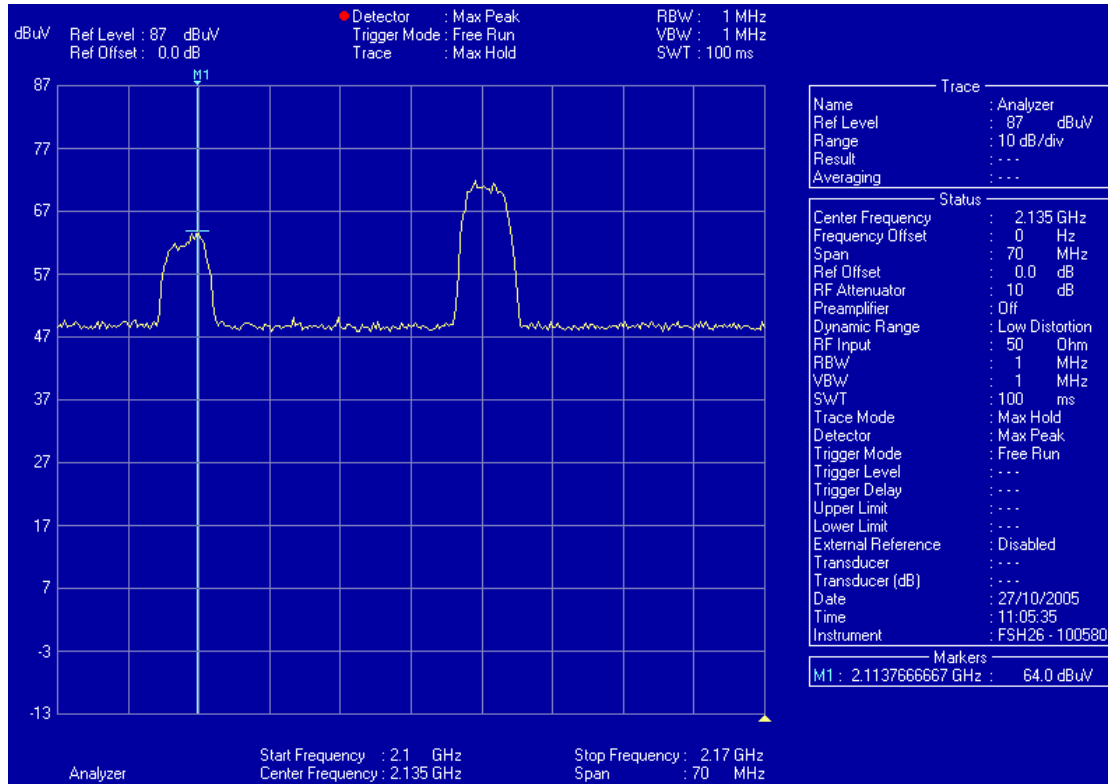
Location 1: Car Park near School Entrance



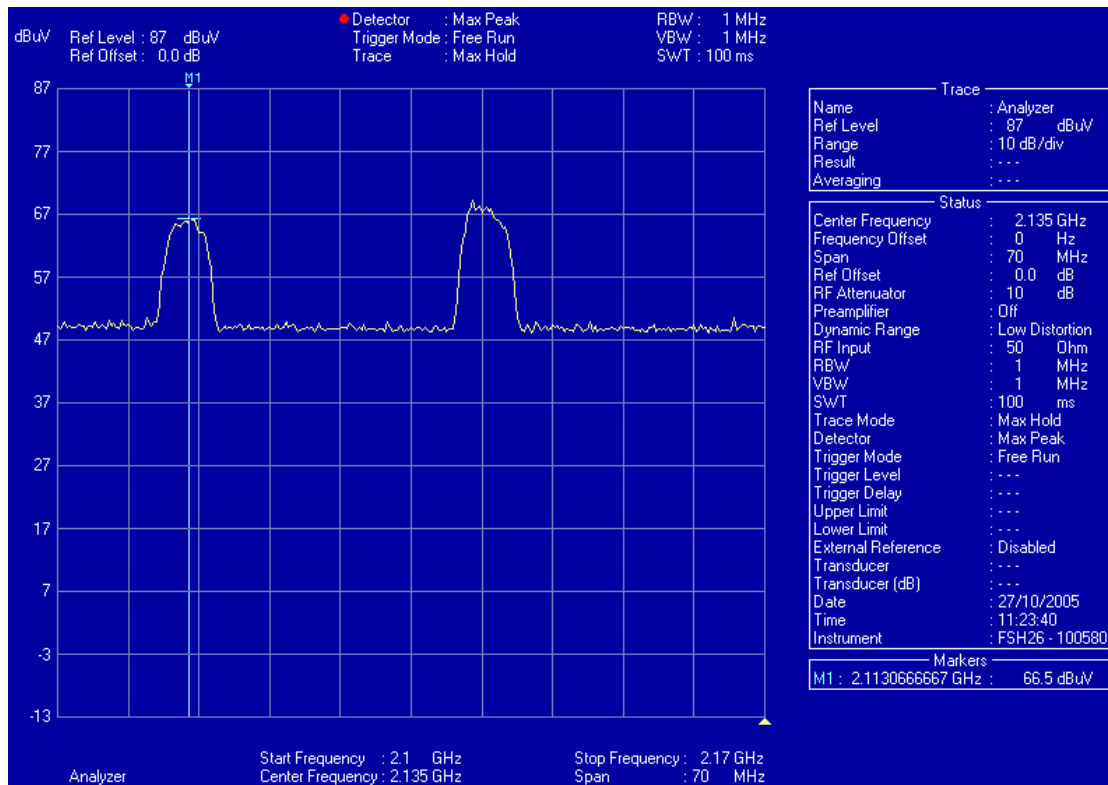
Location 2: Centre of Hardc Court



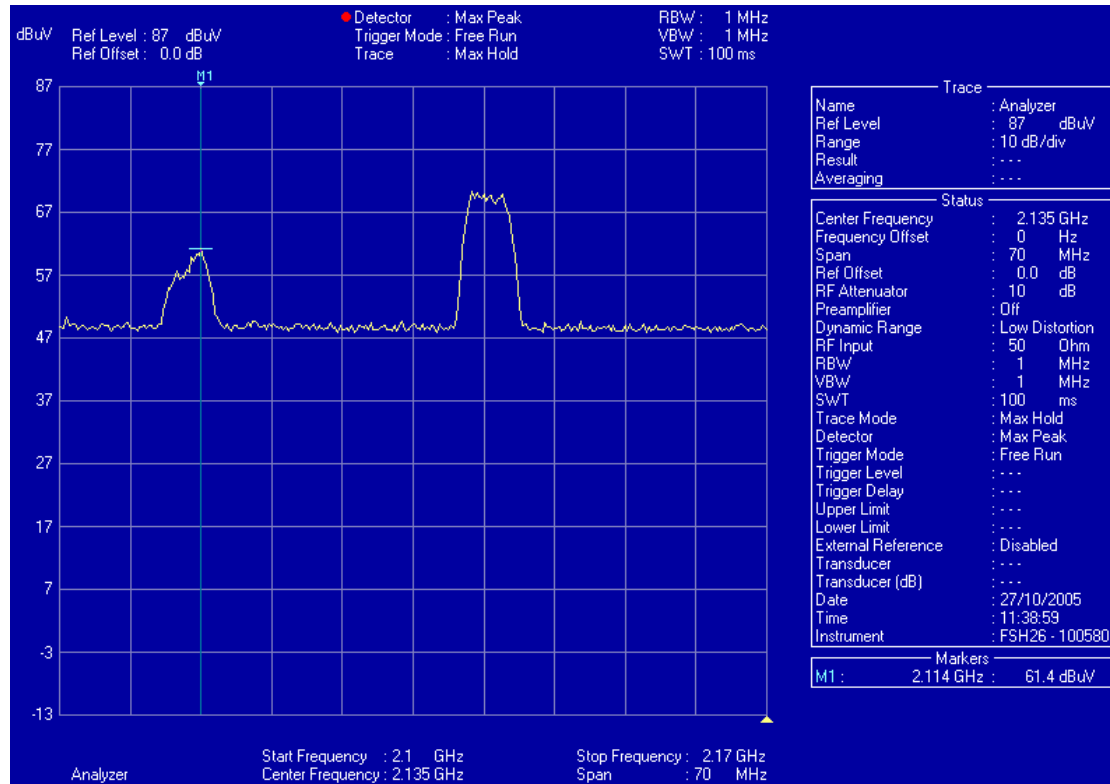
Location 3: IT Suit



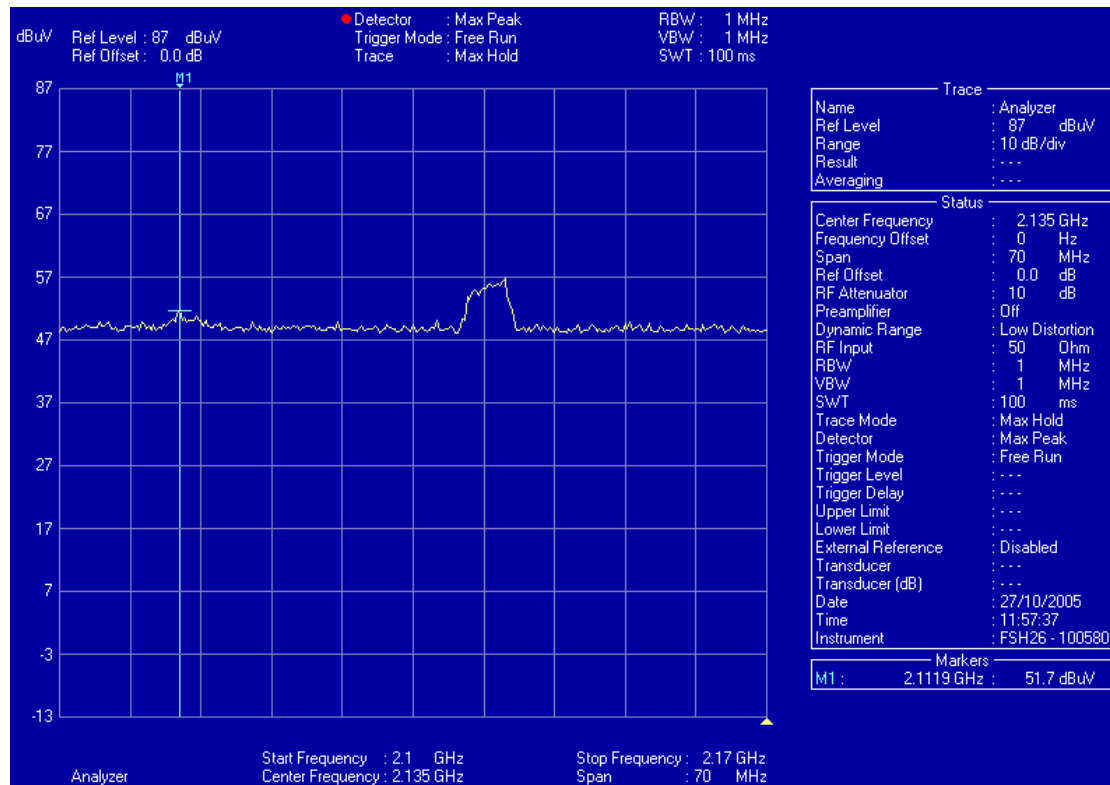
Location 4: Main Hall



Location 5: Staff Room



Location 6: Sycamore (classroom)



Annex

2G Mobile Phone Base-Station Audit

Mobile Phone Base-Station Audit

**Audit site: Bushmead Primary School
Bushmead Road
Eaton Socon
St Neots
PE19 8BT**

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.

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 Bushmead Primary School on 27 October 2005.

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
Car Park near school entrance	2.06E-04	1/4861
Main Hall	1.19E-04	1/8378
Centre of hard court	9.39E-05	1/10646
IT Suite	8.69E-05	1/11510
Staff Room	1.64E-05	1/60972
Sycamore	1.62E-05	1/61899

Issued on behalf of Ofcom.

Issued by:

Received by:

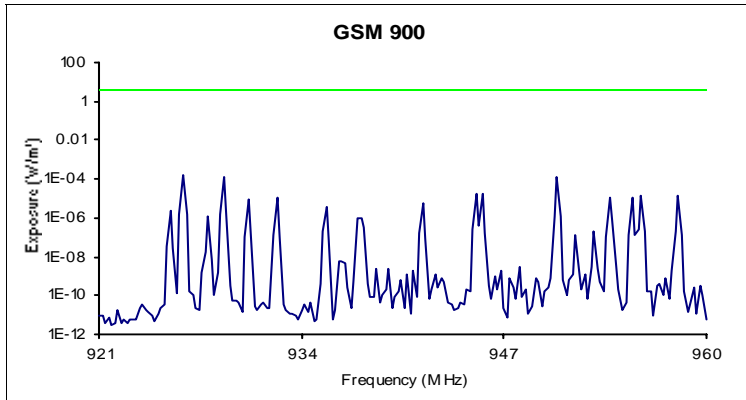
John Taylor
Technical Investigation Officer

Site: Bushmead Primary School
Location: Car Park near school entrance

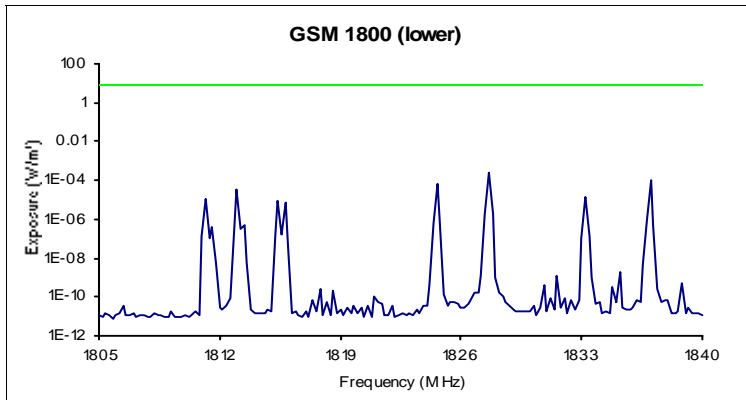
NGR: TL 1648 5924 **Taken from GPS**
Start Time: 27 October 2005 10:06:54
Officer: John Taylor

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

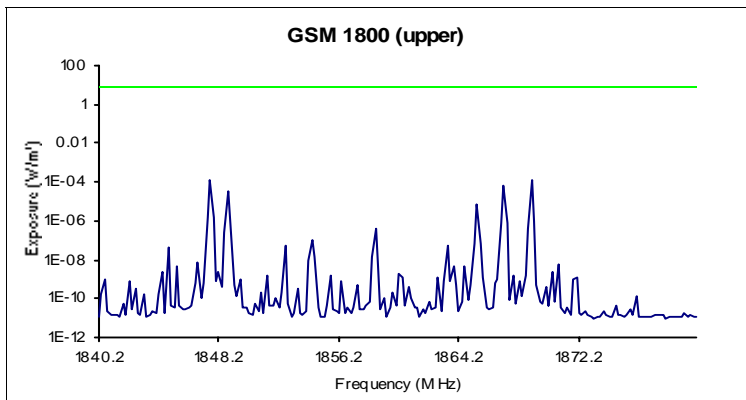
Antenna:
Manufacturer: Rohde & Schwarz
Model: HE200
Serial Number: 728264/025



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
926.400	1.51E-04	4.63	3.27E-05
929.000	1.33E-04	4.64	2.86E-05
950.400	1.16E-04	4.75	2.44E-05
945.200	1.86E-05	4.73	3.93E-06
945.600	1.82E-05	4.73	3.85E-06
955.800	1.41E-05	4.78	2.95E-06
958.200	1.29E-05	4.79	2.70E-06
955.200	1.15E-05	4.78	2.40E-06
953.800	1.07E-05	4.77	2.24E-06
932.400	1.01E-05	4.66	2.18E-06
Band Exposure Quotient:			1.14E-04



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,827.600	2.32E-04	9.14	2.53E-05
1,837.000	9.81E-05	9.19	1.07E-05
1,824.600	6.64E-05	9.12	7.28E-06
1,813.000	3.34E-05	9.06	3.68E-06
1,833.200	1.28E-05	9.17	1.40E-06
1,811.200	1.05E-05	9.06	1.16E-06
1,815.400	8.82E-06	9.08	9.72E-07
1,815.800	7.51E-06	9.08	8.28E-07
1,827.800	1.93E-06	9.14	2.11E-07
1,827.400	1.84E-06	9.14	2.01E-07
Band Exposure Quotient:			5.24E-05



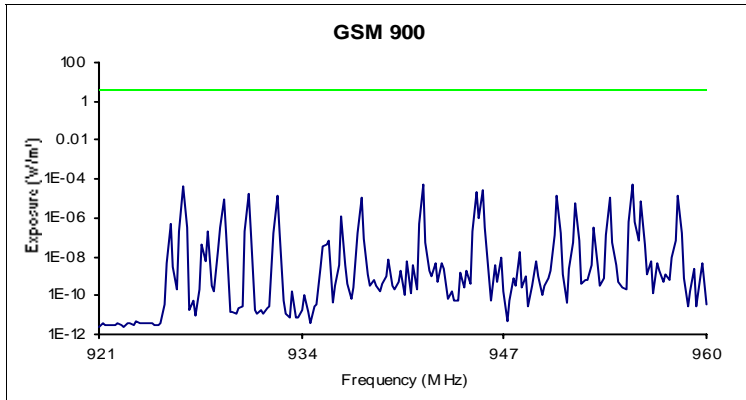
Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,847.600	1.35E-04	9.24	1.46E-05
1,869.000	1.22E-04	9.35	1.30E-05
1,867.200	6.23E-05	9.34	6.67E-06
1,848.800	3.17E-05	9.24	3.43E-06
1,865.400	7.30E-06	9.33	7.82E-07
1,847.800	1.51E-06	9.24	1.64E-07
1,847.400	1.41E-06	9.24	1.53E-07
1,869.200	1.06E-06	9.35	1.14E-07
1,849.000	7.60E-07	9.24	8.22E-08
1,867.000	7.49E-07	9.34	8.02E-08
Band Exposure Quotient:			3.93E-05

Total number of measurements: 572

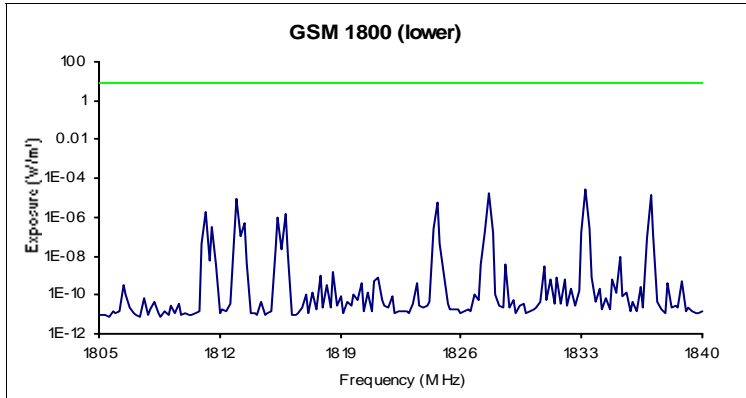
Total Band Exposure Quotient: **2.06E-04**

Site: Bushmead Primary School
Location: Centre of hard court
NGR: TL 1639 5926 **Taken from GPS**
Start Time: 27 October 2005 10:31:48
Officer: John Taylor

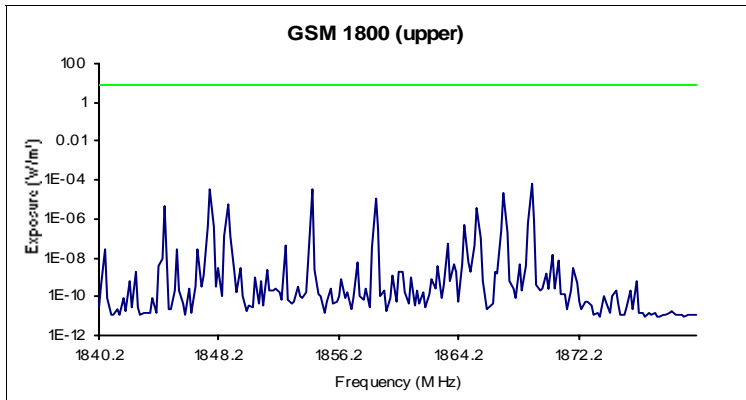
Receiver:
 Manufacturer: ROHDE&SCHWARZ
 Model: EB200
 Serial Number: 837.752/003
Antenna:
 Manufacturer: Rohde & Schwarz
 Model: HE200
 Serial Number: 728264/025



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
955.200	5.12E-05	4.78	1.07E-05
941.800	4.85E-05	4.71	1.03E-05
926.400	4.58E-05	4.63	9.88E-06
945.600	2.69E-05	4.73	5.69E-06
945.200	2.09E-05	4.73	4.41E-06
930.600	1.60E-05	4.65	3.44E-06
932.400	1.54E-05	4.66	3.29E-06
950.400	1.39E-05	4.75	2.93E-06
958.200	1.39E-05	4.79	2.90E-06
937.800	1.08E-05	4.69	2.29E-06
Band Exposure Quotient:			6.46E-05



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,833.200	2.62E-05	9.17	2.86E-06
1,827.600	1.88E-05	9.14	2.06E-06
1,837.000	1.45E-05	9.19	1.58E-06
1,813.000	9.63E-06	9.06	1.06E-06
1,824.600	6.06E-06	9.12	6.64E-07
1,811.200	1.96E-06	9.06	2.17E-07
1,815.800	1.47E-06	9.08	1.61E-07
1,815.400	9.90E-07	9.08	1.09E-07
1,813.400	4.83E-07	9.07	5.33E-08
1,811.600	3.04E-07	9.06	3.35E-08
Band Exposure Quotient:			8.98E-06



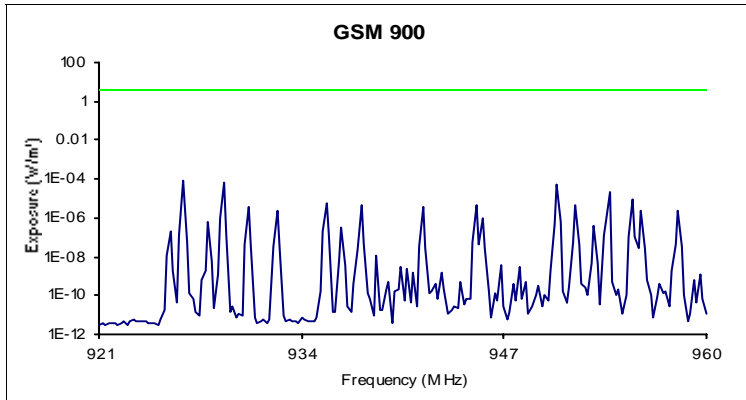
Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,869.000	6.54E-05	9.35	7.00E-06
1,847.600	3.71E-05	9.24	4.02E-06
1,854.400	3.27E-05	9.27	3.53E-06
1,867.200	2.37E-05	9.34	2.54E-06
1,858.600	1.20E-05	9.29	1.29E-06
1,848.800	5.90E-06	9.24	6.38E-07
1,844.600	4.54E-06	9.22	4.93E-07
1,865.400	4.10E-06	9.33	4.40E-07
1,869.200	7.34E-07	9.35	7.86E-08
1,868.800	6.54E-07	9.34	7.00E-08
Band Exposure Quotient:			2.04E-05

Total number of measurements: 572

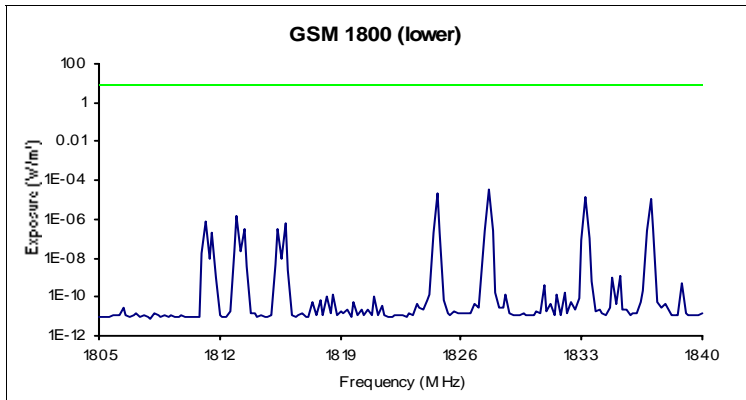
Total Band Exposure Quotient: 9.39E-05

Site: Bushmead Primary School
Location: IT Suite
NGR: TL 1643 5925 **Taken from GPS**
Start Time: 27 October 2005 10:51:29
Officer: John Taylor

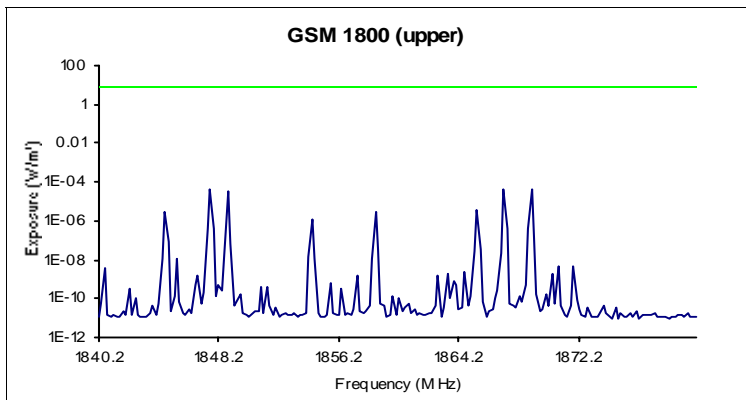
Receiver:
 Manufacturer: ROHDE&SCHWARZ
 Model: EB200
 Serial Number: 837.752/003
Antenna:
 Manufacturer: Rohde & Schwarz
 Model: HE200
 Serial Number: 728264/025



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
926.400	8.33E-05	4.63	1.80E-05
929.000	6.35E-05	4.64	1.37E-05
950.400	4.95E-05	4.75	1.04E-05
953.800	2.39E-05	4.77	5.00E-06
955.200	8.90E-06	4.78	1.86E-06
935.600	6.16E-06	4.68	1.32E-06
945.200	4.67E-06	4.73	9.88E-07
937.800	4.49E-06	4.69	9.57E-07
951.600	4.42E-06	4.76	9.29E-07
930.600	4.02E-06	4.65	8.65E-07
Band Exposure Quotient:			5.78E-05



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,827.600	3.35E-05	9.14	3.66E-06
1,824.600	2.41E-05	9.12	2.64E-06
1,833.200	1.26E-05	9.17	1.37E-06
1,837.000	1.24E-05	9.19	1.34E-06
1,813.000	1.56E-06	9.06	1.72E-07
1,811.200	8.36E-07	9.06	9.24E-08
1,815.800	5.57E-07	9.08	6.13E-08
1,815.400	3.20E-07	9.08	3.53E-08
1,837.200	3.18E-07	9.19	3.46E-08
1,813.400	3.12E-07	9.07	3.44E-08
Band Exposure Quotient:			9.63E-06

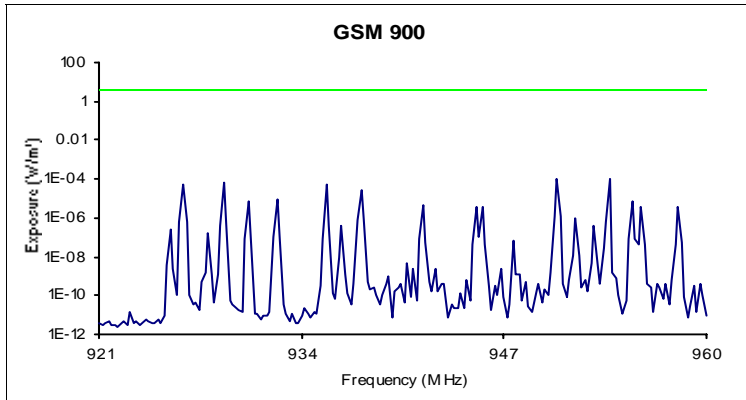


Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,867.200	4.72E-05	9.34	5.06E-06
1,869.000	4.53E-05	9.35	4.84E-06
1,847.600	3.98E-05	9.24	4.31E-06
1,848.800	3.55E-05	9.24	3.84E-06
1,865.400	3.74E-06	9.33	4.01E-07
1,844.600	3.14E-06	9.22	3.41E-07
1,858.600	3.08E-06	9.29	3.31E-07
1,854.400	1.24E-06	9.27	1.34E-07
1,847.800	4.17E-07	9.24	4.51E-08
1,847.400	4.07E-07	9.24	4.41E-08
Band Exposure Quotient:			1.95E-05

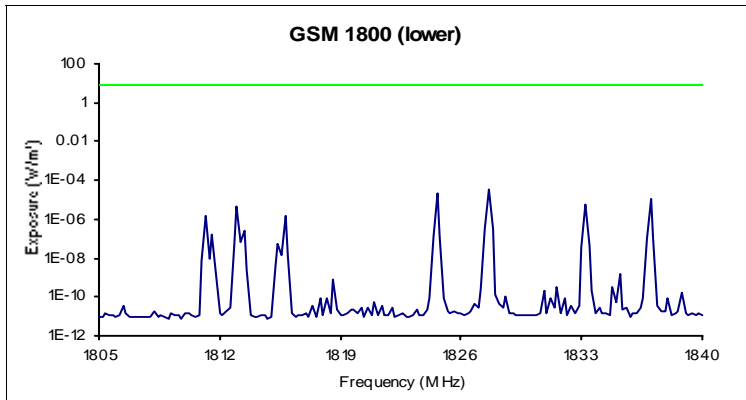
Total number of measurements: 572

Total Band Exposure Quotient: **8.69E-05**

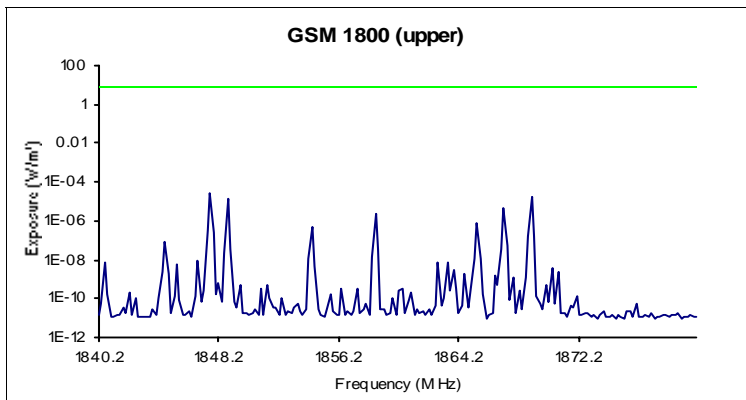
Site: Bushmead Primary School	Receiver:
Location: Main Hall	Manufacturer: ROHDE&SCHWARZ
NGR: ZU 0000 0000	Model: EB200
Start Time: 27 October 2005 11:08:38	Serial Number: 837.752/003
Officer: John Taylor	Antenna:
	Manufacturer: Rohde & Schwarz
	Model: HE200
	Serial Number: 728264/025



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
953.800	1.14E-04	4.77	2.40E-05
950.400	1.06E-04	4.75	2.23E-05
929.000	6.50E-05	4.64	1.40E-05
926.400	5.89E-05	4.63	1.27E-05
935.600	5.88E-05	4.68	1.26E-05
937.800	2.96E-05	4.69	6.32E-06
932.400	8.64E-06	4.66	1.85E-06
930.600	7.85E-06	4.65	1.69E-06
955.200	7.57E-06	4.78	1.59E-06
941.800	4.96E-06	4.71	1.05E-06
Band Exposure Quotient:			1.03E-04



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,827.600	3.27E-05	9.14	3.58E-06
1,824.600	2.10E-05	9.12	2.30E-06
1,837.000	1.21E-05	9.19	1.31E-06
1,833.200	5.48E-06	9.17	5.98E-07
1,813.000	4.30E-06	9.06	4.75E-07
1,815.800	1.68E-06	9.08	1.85E-07
1,811.200	1.56E-06	9.06	1.72E-07
1,827.800	2.98E-07	9.14	3.27E-08
1,827.400	2.91E-07	9.14	3.19E-08
1,813.400	2.31E-07	9.07	2.55E-08
Band Exposure Quotient:			8.82E-06

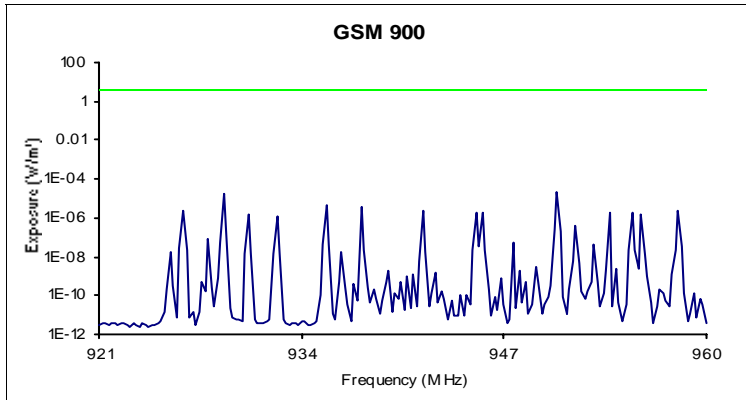


Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,847.600	2.69E-05	9.24	2.91E-06
1,869.000	1.64E-05	9.35	1.76E-06
1,848.800	1.32E-05	9.24	1.43E-06
1,867.200	4.41E-06	9.34	4.72E-07
1,858.600	2.62E-06	9.29	2.82E-07
1,865.400	7.82E-07	9.33	8.38E-08
1,854.400	4.52E-07	9.27	4.87E-08
1,847.400	2.88E-07	9.24	3.12E-08
1,847.800	2.63E-07	9.24	2.85E-08
1,869.200	1.80E-07	9.35	1.93E-08
Band Exposure Quotient:			7.12E-06

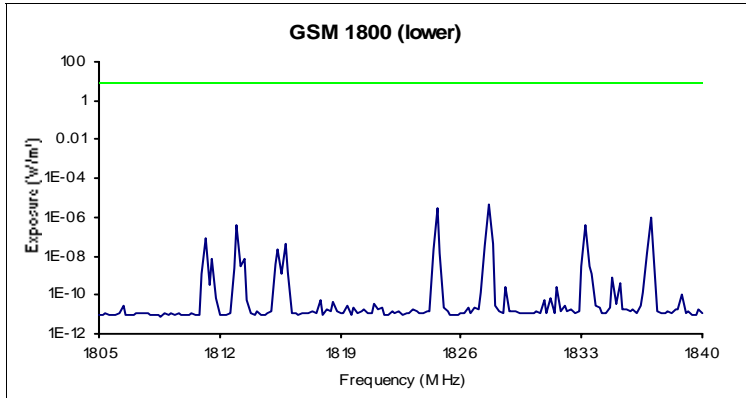
Total number of measurements: 572

Total Band Exposure Quotient: 1.19E-04

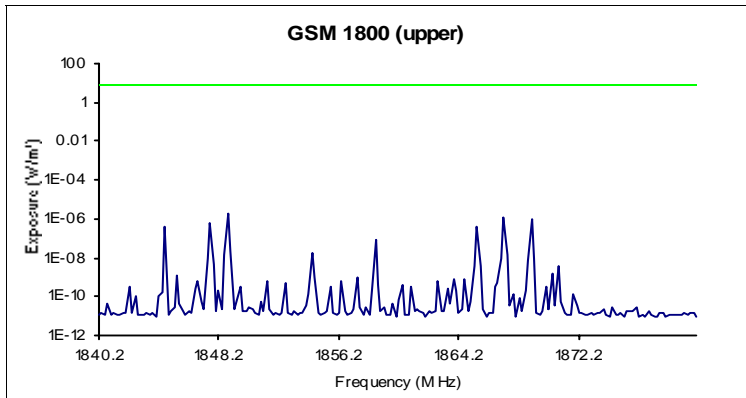
Site: Bushmead Primary School	Receiver:
Location: Staff Room	Manufacturer: ROHDE&SCHWARZ
	Model: EB200
	Serial Number: 837.752/003
NGR: ZU 0000 0000 Taken from GPS	Antenna:
Start Time: 27 October 2005 11:26:04	Manufacturer: Rohde & Schwarz
Officer: John Taylor	Model: HE200
	Serial Number: 728264/025



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
950.400	2.16E-05	4.75	4.54E-06
929.000	1.87E-05	4.64	4.04E-06
935.600	4.67E-06	4.68	9.99E-07
937.800	3.91E-06	4.69	8.33E-07
926.400	2.29E-06	4.63	4.95E-07
958.200	2.36E-06	4.79	4.92E-07
941.800	2.27E-06	4.71	4.82E-07
945.600	2.04E-06	4.73	4.31E-07
945.200	1.95E-06	4.73	4.12E-07
955.200	1.95E-06	4.78	4.08E-07
Band Exposure Quotient:			1.48E-05



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,827.600	4.73E-06	9.14	5.17E-07
1,824.600	2.65E-06	9.12	2.90E-07
1,837.000	1.05E-06	9.19	1.14E-07
1,833.200	4.06E-07	9.17	4.43E-08
1,813.000	3.58E-07	9.06	3.95E-08
1,811.200	7.81E-08	9.06	8.62E-09
1,827.800	4.12E-08	9.14	4.51E-09
1,815.800	4.04E-08	9.08	4.44E-09
1,827.400	3.84E-08	9.14	4.20E-09
1,837.200	2.96E-08	9.19	3.23E-09
Band Exposure Quotient:			1.04E-06

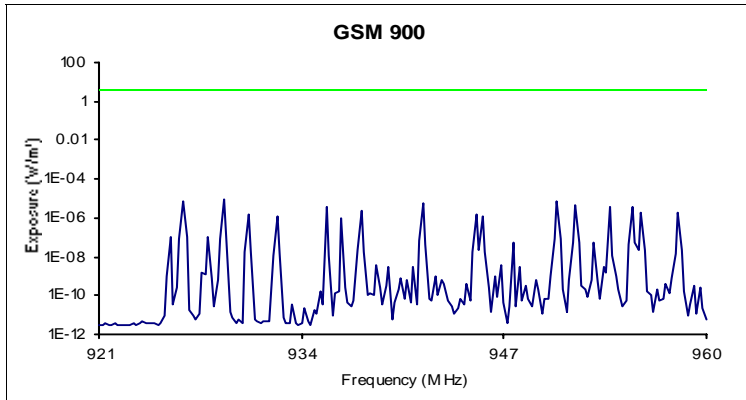


Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,848.800	1.70E-06	9.24	1.84E-07
1,867.200	1.24E-06	9.34	1.33E-07
1,869.000	9.24E-07	9.35	9.89E-08
1,847.600	5.62E-07	9.24	6.08E-08
1,844.600	4.34E-07	9.22	4.71E-08
1,865.400	4.01E-07	9.33	4.30E-08
1,858.600	8.87E-08	9.29	9.55E-09
1,849.000	2.19E-08	9.24	2.37E-09
1,854.400	1.68E-08	9.27	1.81E-09
1,867.400	1.46E-08	9.34	1.56E-09
Band Exposure Quotient:			5.91E-07

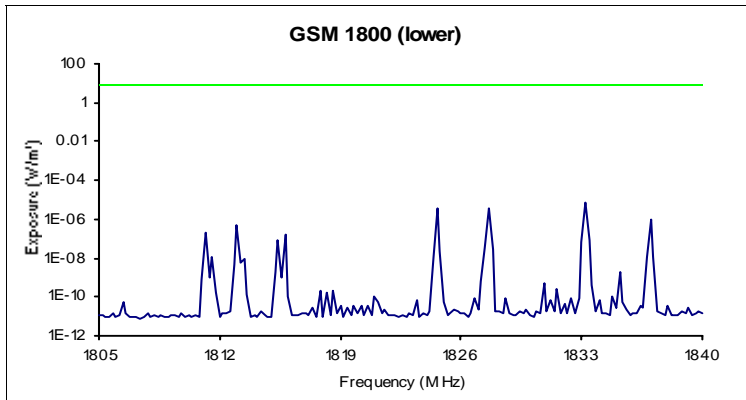
Total number of measurements: 572

Total Band Exposure Quotient: 1.64E-05

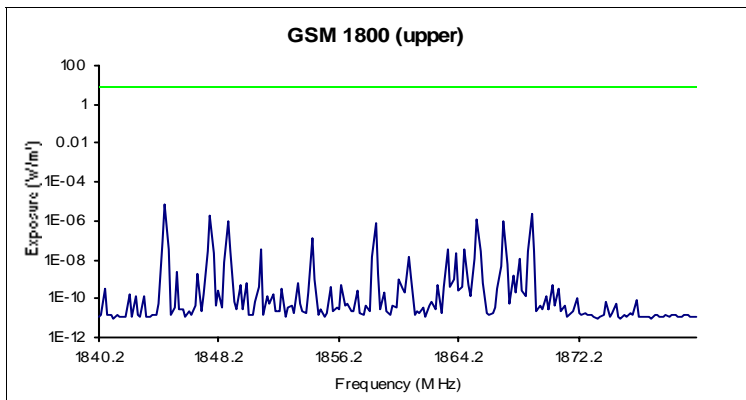
Site: Bushmead Primary School	Receiver:
Location: Sycamore	Manufacturer: ROHDE&SCHWARZ
NGR: TL 1642 5925 Taken from GPS	Model: EB200
Start Time: 27 October 2005 11:42:24	Serial Number: 837.752/003
Officer: John Taylor	Antenna:
	Manufacturer: Rohde & Schwarz
	Model: HE200
	Serial Number: 728264/025



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
929.000	9.62E-06	4.64	2.07E-06
950.400	7.84E-06	4.75	1.65E-06
926.400	7.59E-06	4.63	1.64E-06
941.800	5.44E-06	4.71	1.16E-06
951.600	4.42E-06	4.76	9.29E-07
955.200	4.07E-06	4.78	8.51E-07
935.600	3.71E-06	4.68	7.93E-07
953.800	3.29E-06	4.77	6.91E-07
937.800	2.30E-06	4.69	4.91E-07
955.800	1.95E-06	4.78	4.08E-07
Band Exposure Quotient:			1.27E-05



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,833.200	7.06E-06	9.17	7.70E-07
1,827.600	3.84E-06	9.14	4.21E-07
1,824.600	3.41E-06	9.12	3.74E-07
1,837.000	9.59E-07	9.19	1.04E-07
1,813.000	4.51E-07	9.06	4.97E-08
1,811.200	2.01E-07	9.06	2.22E-08
1,815.800	1.47E-07	9.08	1.61E-08
1,833.400	9.10E-08	9.17	9.93E-09
1,815.400	8.23E-08	9.08	9.07E-09
1,833.000	7.06E-08	9.16	7.70E-09
Band Exposure Quotient:			1.80E-06



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,844.600	6.72E-06	9.22	7.29E-07
1,869.000	2.22E-06	9.35	2.37E-07
1,847.600	1.90E-06	9.24	2.06E-07
1,865.400	1.18E-06	9.33	1.27E-07
1,867.200	9.87E-07	9.34	1.06E-07
1,848.800	9.35E-07	9.24	1.01E-07
1,858.600	8.09E-07	9.29	8.71E-08
1,854.400	1.46E-07	9.27	1.58E-08
1,844.400	8.27E-08	9.22	8.96E-09
1,851.000	3.82E-08	9.26	4.13E-09
Band Exposure Quotient:			1.66E-06

Total number of measurements: 572

Total Band Exposure Quotient: 1.62E-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(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