

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



**Mobile Phone
Base-Station Audit**

**Audit Site: Area around Centre Court
Stratford Road
Hall Green
Birmingham B28 9HH**

Work Performed by		Distribution List	
James Loughlin Field Manager	3G measurements & Report	Lloyd Tailby	1
Mike Reynolds Field Officer	3G measurements & data plots	Ajmal Hussain	1
John Taylor T.I. Officer	2G measurements & 2G Report	John Taylor	1
Dick Gilbert T.I. Officer	2G measurements	Technical Manager	1
		Case/Year file	2

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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 Centre Court, Stratford Road, Hall Green, Birmingham B28 9HH on the 24th May 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. Some low level TETRA activity was noted in the 380 – 400 MHz band but sweep measurements taken in Waitrose Car Park indicated that these transmissions did not originate from the Centre Court installation.

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

Summary of results:

Location	NGR	3G Exposure Quotient	2G Exposure Quotient	TOTAL 3G + 2G Exp. Quot.	Related to ICNIRP limit
Entrance to Hall Green Junior School	SP 1069 8145	8.04E-06	2.54E-04	2.62E-04	1/3816
Junction of Stratford Rd & Highfield Rd	SP 1078 8116	1.23E-05	1.88E-04	2.00E-04	1/4993
Coniston Close	SP 1076 8140	3.43E-06	1.53E-04	1.56E-04	1/6393
Junction of Romney Close & Delamere Rd	SP 1065 8130	8.92E-06	4.39E-05	5.28E-05	1/18932
Hall Green School Petersfield Rd Entrance	SP 1055 8158	1.13E-05	9.05E-06	2.04E-05	1/49140
Waitrose Car Park	SP 1091 8114	1.89E-06	1.23E-05	1.42E-05	1/70472

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.

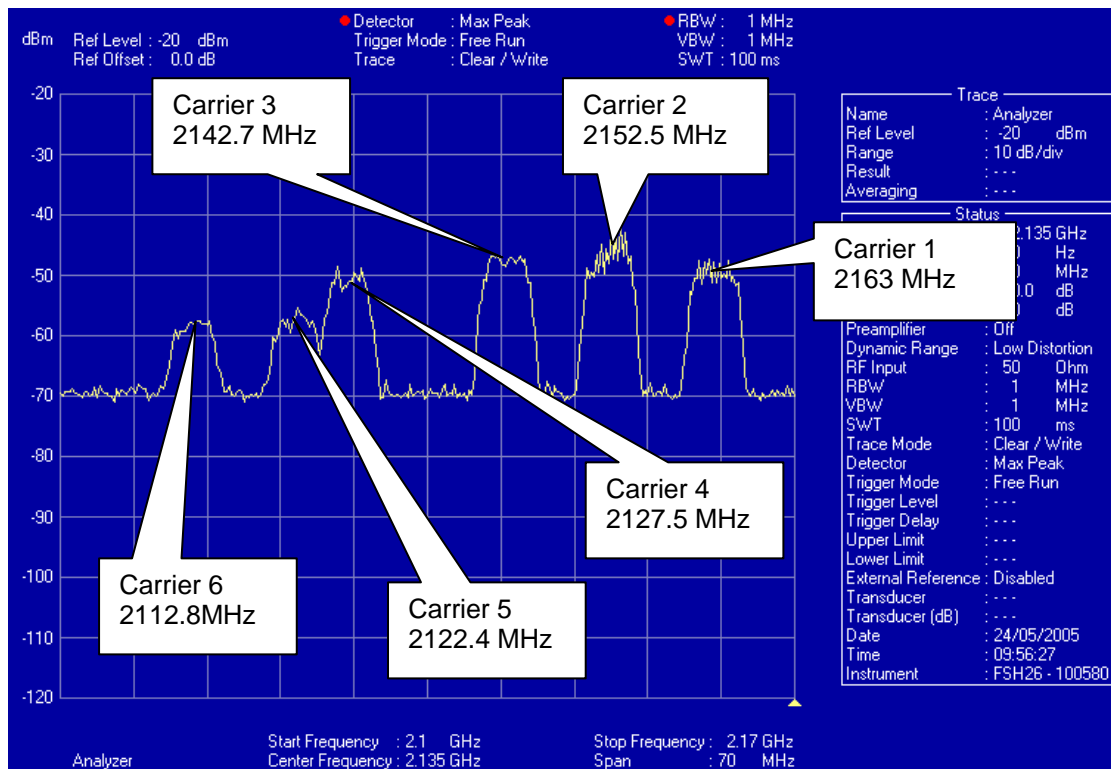


Figure 1

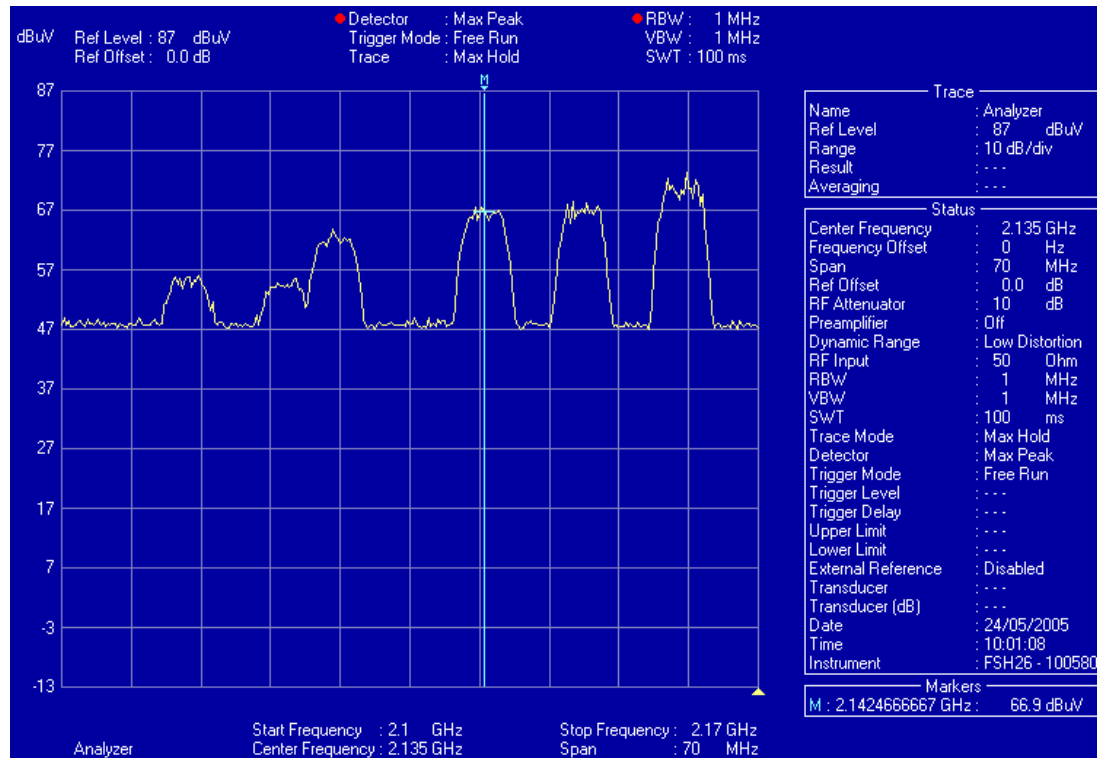
Figure 1 shows that six transmission were active in this area. At each measurement location the measuring antenna was then set up on a tripod 1.5m above ground level on the pavement. In this position each of the carriers field strengths were recorded.

For each measurement location the 3G exposure quotient was then calculated for the individual carriers and then the total exposure quotient for all six 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 10, while the 2G data is contained in the annex to this report.

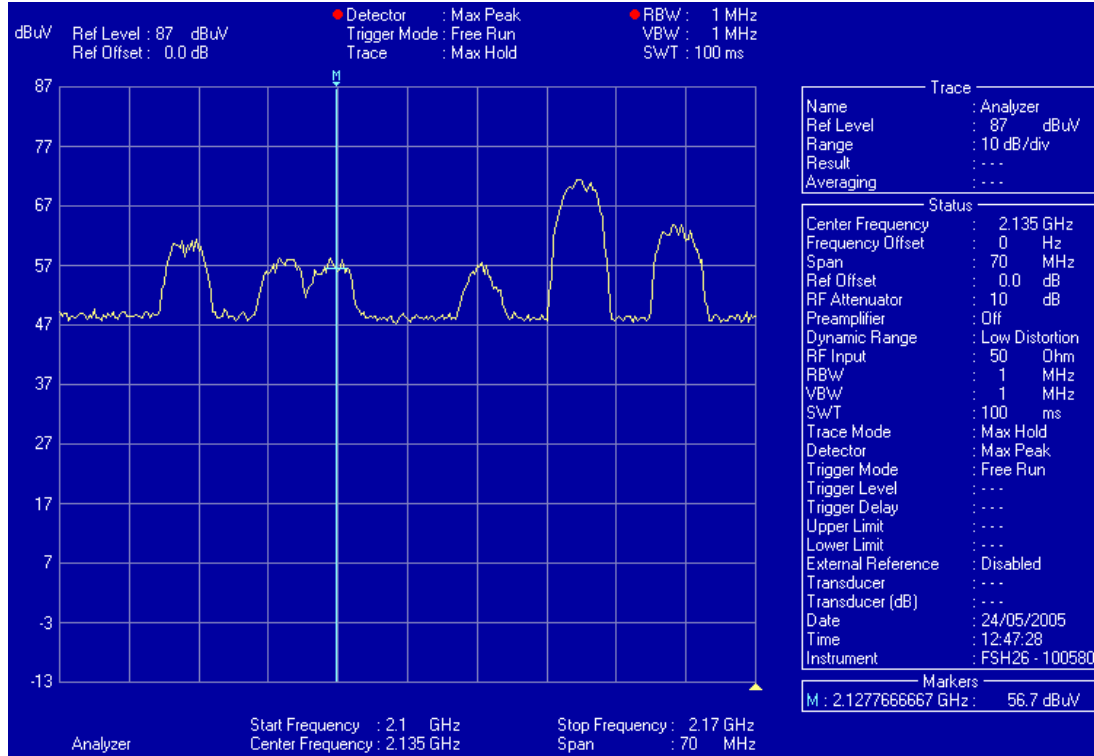
Equipment:	serial number:	CEMS number
FSH6 Spectrum Analyser	100580	200103
EMCO DRG 3115 horn Antenna	2153	200005
Garmin GPS75 receiver	37524369	200011
Reynolds cable type 219-0088 0201 067		-

Location 1: Junction of Stratford Road and Highfield Road



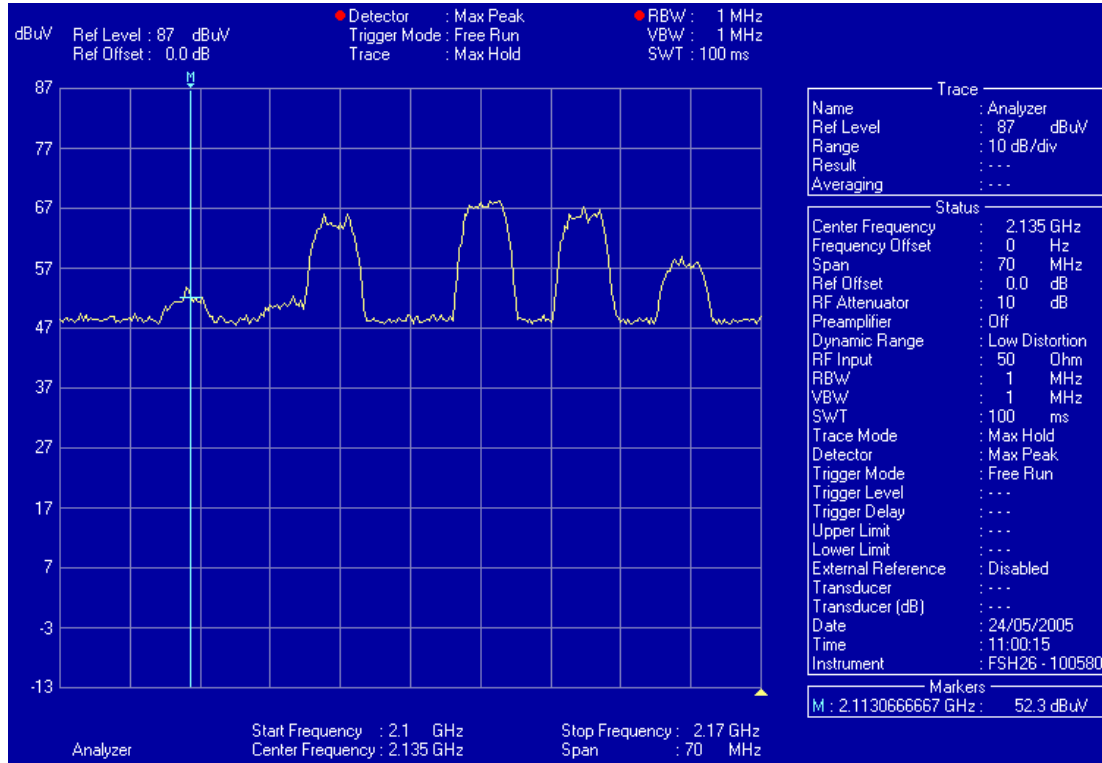
Channel	Frequency MHz	Fieldstrength dBuV/m	Fieldstrength uV/m	Fieldstrength V/m	Power W/m ²	Power W/m ²	ICNIRP W/m ²	3G Exposure Quotient	3G Exposure Quotient
1	2163	103	141,253.8	0.141254	0.0000529249	5.292E-05	10	0.000005292490	5.29E-06
2	2152.5	100	100,000.0	0.100000	0.0000265252	2.653E-05	10	0.000002652520	2.65E-06
3	2142.7	100.1	101,157.9	0.101158	0.0000271431	2.714E-05	10	0.000002714310	2.71E-06
4	2127.5	96.4	66,069.3	0.066069	0.0000115785	1.158E-05	10	0.000001157850	1.16E-06
5	2122.4	89	28,183.8	0.028184	0.0000021070	2.107E-06	10	0.000000210700	2.11E-07
6	2112.8	89.6	30,199.5	0.030200	0.0000024192	2.419E-06	10	0.000000241920	2.42E-07
									Total 3G 1.23E-05

Location 2: Junction of Romney Close and Delamere Road



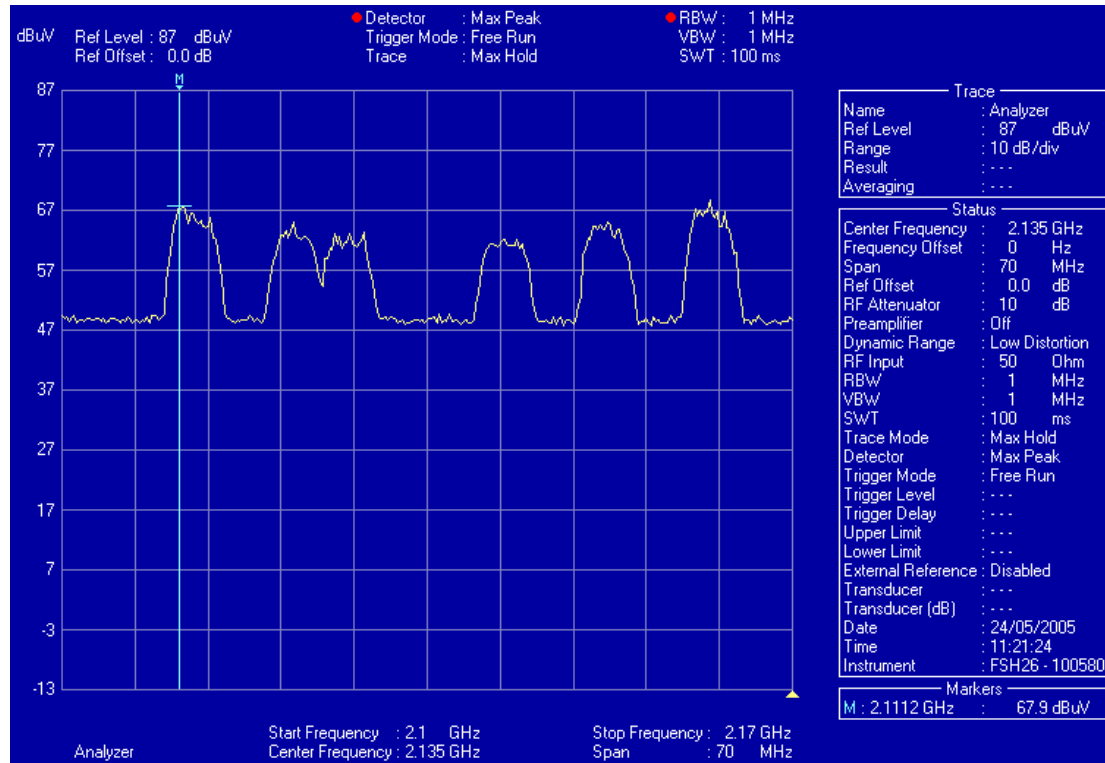
Channel	Frequency MHz	Fieldstrength dBuV/m	Fieldstrength uV/m	Fieldstrength V/m	Power W/m ²	Power W/m ²	ICNIRP W/m ²	3G Exposure Quotient	3G Exposure Quotient
1	2163	96.5	66,834.4	0.066834	0.0000118482	1.185E-05	10	0.000001184820	1.18E-06
2	2152.5	103.8	154,881.7	0.154882	0.0000636298	6.363E-05	10	0.000006362980	6.36E-06
3	2142.7	87.2	22,908.7	0.022909	0.0000013921	1.392E-06	10	0.000000139210	1.39E-07
4	2127.5	91.9	39,355.0	0.039355	0.0000041083	4.108E-06	10	0.000000410830	4.11E-07
5	2122.4	92.4	41,686.9	0.041687	0.0000046096	4.61E-06	10	0.000000460960	4.61E-07
6	2112.8	91.4	37,153.5	0.037154	0.0000036616	3.662E-06	10	0.000000366160	3.66E-07
									Total 3G 8.92E-06

Location 3: Entrance to Hall Green Junior School



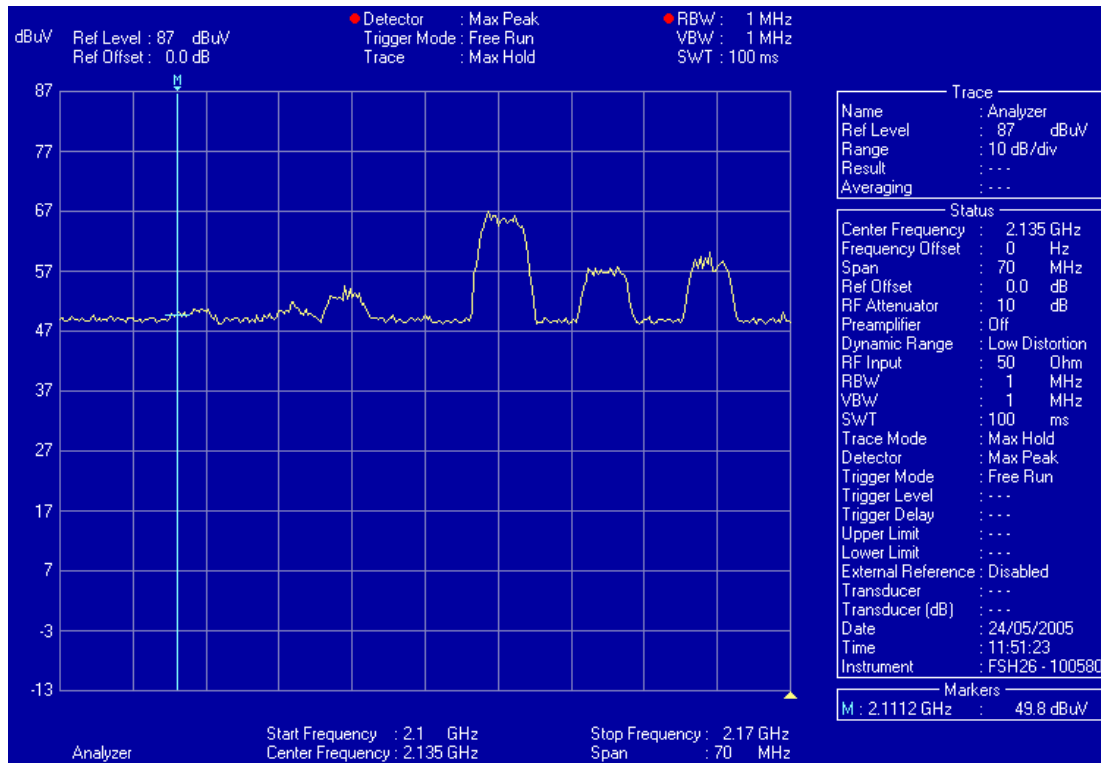
Channel	Frequency MHz	Fieldstrength dBuV/m	Fieldstrength uV/m	Fieldstrength V/m	Power W/m ²	Power W/m ²	ICNIRP W/m ²	3G Exposure Quotient	3G Exposure Quotient
1	2163	90.4	33,113.1	0.033113	0.0000029084	2.908E-06	10	0.00000290840	2.91E-07
2	2152.5	99.9	98,855.3	0.098855	0.0000259212	2.592E-05	10	0.00002592120	2.59E-06
3	2142.7	100.7	108,392.7	0.108393	0.0000311646	3.116E-05	10	0.00003116460	3.12E-06
4	2127.5	98.5	84,139.5	0.084140	0.0000187786	1.878E-05	10	0.00001877860	1.88E-06
5	2122.4	83.5	14,962.4	0.014962	0.0000005938	5.938E-07	10	0.00000059380	5.94E-08
6	2112.8	85.9	19,724.2	0.019724	0.0000010319	1.032E-06	10	0.00000103190	1.03E-07
									Total 3G 8.04E-06

Location 4: Hall Green School at Petersfield Road Entrance



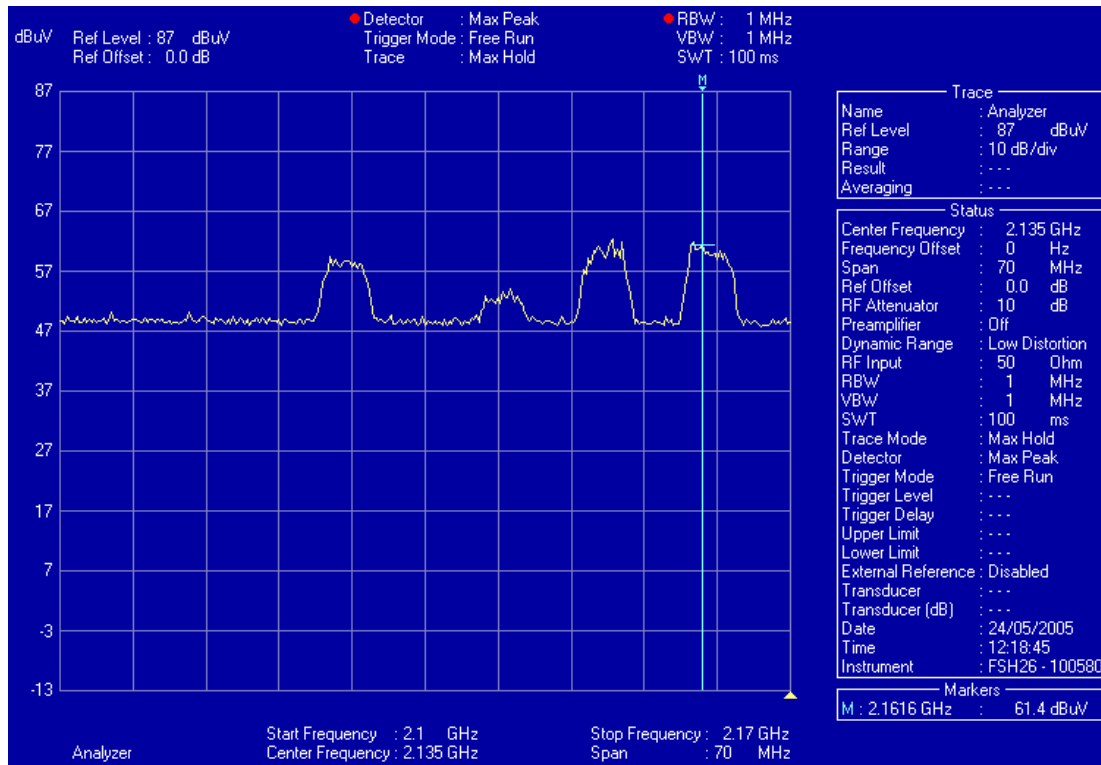
Channel	Frequency MHz	Fieldstrength dBuV/m	Fieldstrength uV/m	Fieldstrength V/m	Power W/m ²	Power W/m ²	ICNIRP W/m ²	3G Exposure Quotient	3G Exposure Quotient
1	2163	101.3	116,144.9	0.116145	0.0000357816	3.578E-05	10	0.000003578160	3.58E-06
2	2152.5	97.6	75,857.8	0.075858	0.0000152638	1.526E-05	10	0.000001526380	1.53E-06
3	2142.7	94.7	54,325.0	0.054325	0.0000078281	7.828E-06	10	0.000000782810	7.83E-07
4	2127.5	95.7	60,953.7	0.060954	0.0000098551	9.855E-06	10	0.000000985510	9.86E-07
5	2122.4	97.7	76,736.1	0.076736	0.0000156191	1.562E-05	10	0.000001561910	1.56E-06
6	2112.8	100.4	104,712.9	0.104713	0.0000290844	2.908E-05	10	0.000002908440	2.91E-06
									Total 3G 1.13E-05

Location 5: Coniston Close



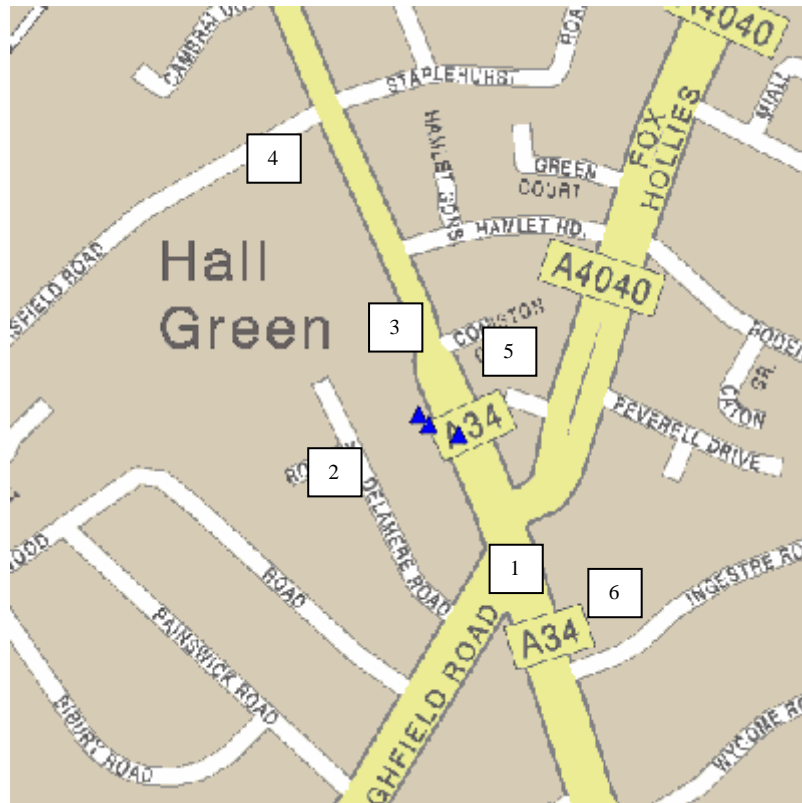
Channel	Frequency MHz	Fieldstrength dBuV/m	Fieldstrength uV/m	Fieldstrength V/m	Power W/m ²	Power W/m ²	ICNIRP W/m ²	3G Exposure Quotient	3G Exposure Quotient
1	2163	92.7	43,151.9	0.043152	0.0000049392	4.939E-06	10	0.000000493920	4.94E-07
2	2152.5	89.8	30,903.0	0.030903	0.0000025331	2.533E-06	10	0.000000253310	2.53E-07
3	2142.7	99.6	95,499.3	0.095499	0.0000241911	2.419E-05	10	0.000002419110	2.42E-06
4	2127.5	87.1	22,646.4	0.022646	0.0000013603	1.36E-06	10	0.000000136030	1.36E-07
5	2122.4	84.4	16,595.9	0.016596	0.0000007306	7.306E-07	10	0.000000073060	7.31E-08
6	2112.8	83.1	14,288.9	0.014289	0.0000005416	5.416E-07	10	0.000000054160	5.42E-08
									Total 3G 3.43E-06

Location 6: Waitrose Car Park



Channel	Frequency MHz	Fieldstrength dBuV/m	Fieldstrength uV/m	Fieldstrength V/m	Power W/m ²	Power W/m ²	ICNIRP W/m ²	3G Exposure Quotient	3G Exposure Quotient
1	2163	93.9	49,545.0	0.049545	0.0000065112	6.511E-06	10	0.000000651120	6.51E-07
2	2152.5	94.9	55,590.4	0.055590	0.0000081969	8.197E-06	10	0.000000819690	8.20E-07
3	2142.7	86.2	20,417.4	0.020417	0.0000011057	1.106E-06	10	0.000000110570	1.11E-07
4	2127.5	90.7	34,276.8	0.034277	0.0000031165	3.117E-06	10	0.000000311650	3.12E-07
5	nil	seen							
6	nil	seen							
									Total 3G 1.89E-06

Measurement locations



Location

Site name

- | | |
|---|---|
| 1 | Junction of Stratford Road & Highfield Road (central reservation) |
| 2 | Junction of Romney Close & Delamere Road |
| 3 | Entrance to Hall Green Junior School |
| 4 | Hall Green School at Petersfield Road entrance |
| 5 | Coniston Close (Car Park area) |
| 6 | Waitrose shoppers Car Park |

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Annex

2G Mobile Phone Base-Station Audit

Mobile Phone Base-Station Audit

Audit site: Area around Centre Court
Stratford Road
Hall Green
Birmingham
B28

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 Area around Centre Court on 24 May 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
Entrance to Hall Green Junior School	2.54E-04	1/3934
Junction of Stratford Road and Highfield Road	1.88E-04	1/5314
Coniston Close	1.53E-04	1/6531
Junction of Romney Close and Delamere Road	4.39E-05	1/22759
Waitrose car park	1.23E-05	1/81165
Hall Green School at Petersfield Road Entrance	9.05E-06	1/110530

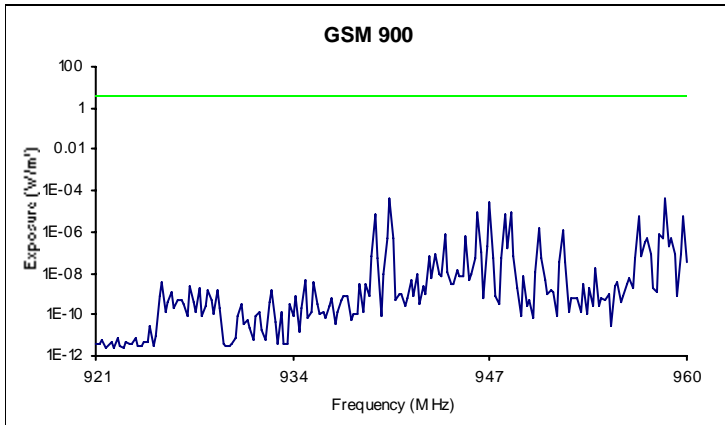
Issued on behalf of Ofcom.

Issued by:

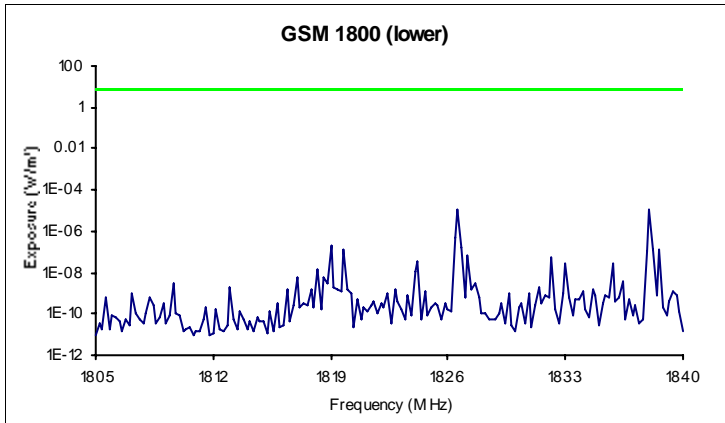
Received by:

John Taylor
Technical Investigation Officer

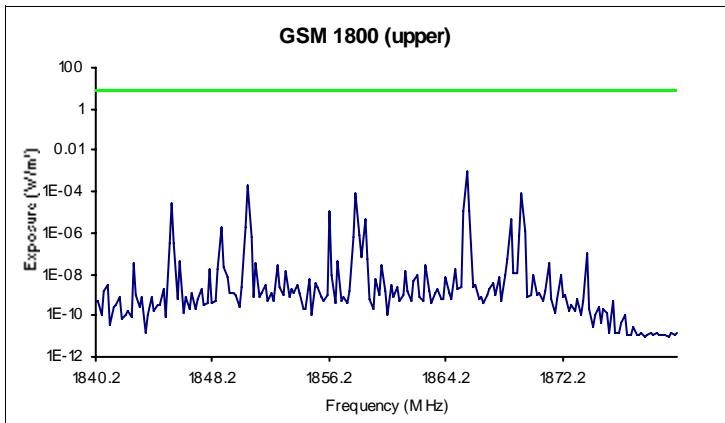
Site: Area around Centre Court	Receiver:
Location: Junction of Stratford Road and Highfield Road	Manufacturer: ROHDE&SCHWARZ
NGR: SP 1078 8116 Taken from GPS	Model: EB200
Start Time: 24 May 2005 9:57:29	Serial Number: 837.752/003
Officer: John Taylor	Antenna:
	Manufacturer: Rohde & Schwarz
	Model: HE200
	Serial Number: 728264/025



Frequency (MHz)	Maximum Exposure (W/m ²)	ICNIRP Limit (W/m ²)	Frequency Exposure Quotient
940.400	4.31E-05	4.70	9.16E-06
958.600	4.39E-05	4.79	9.16E-06
947.000	2.89E-05	4.74	6.10E-06
948.400	8.76E-06	4.74	1.85E-06
946.200	8.71E-06	4.73	1.84E-06
948.000	7.28E-06	4.74	1.54E-06
939.400	6.81E-06	4.70	1.45E-06
956.800	5.38E-06	4.78	1.12E-06
959.800	5.17E-06	4.80	1.08E-06
950.200	1.36E-06	4.75	2.87E-07
Band Exposure Quotient:			3.53E-05



Frequency (MHz)	Maximum Exposure (W/m ²)	ICNIRP Limit (W/m ²)	Frequency Exposure Quotient
1,826.600	1.24E-05	9.13	1.36E-06
1,838.000	1.13E-05	9.19	1.23E-06
1,826.400	4.72E-07	9.13	5.17E-08
1,819.000	1.90E-07	9.10	2.09E-08
1,826.800	1.53E-07	9.13	1.67E-08
1,838.200	1.33E-07	9.19	1.44E-08
1,819.800	1.26E-07	9.10	1.38E-08
1,838.600	1.24E-07	9.19	1.35E-08
1,837.800	1.05E-07	9.19	1.15E-08
1,827.200	6.99E-08	9.14	7.65E-09
Band Exposure Quotient:			2.76E-06

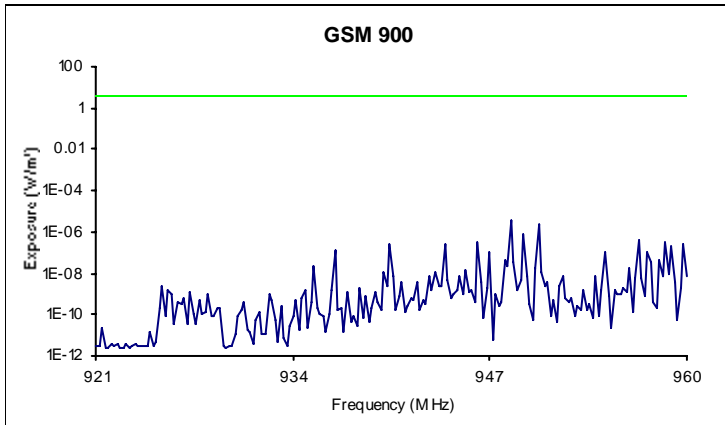


Frequency (MHz)	Maximum Exposure (W/m ²)	ICNIRP Limit (W/m ²)	Frequency Exposure Quotient
1,865.600	9.62E-04	9.33	1.03E-04
1,850.600	1.83E-04	9.25	1.98E-05
1,858.000	8.66E-05	9.29	9.32E-06
1,869.400	8.63E-05	9.35	9.23E-06
1,845.400	2.81E-05	9.23	3.04E-06
1,856.200	1.22E-05	9.28	1.31E-06
1,865.800	1.06E-05	9.33	1.13E-06
1,865.400	1.05E-05	9.33	1.13E-06
1,868.600	4.85E-06	9.34	5.19E-07
1,858.600	4.66E-06	9.29	5.01E-07
Band Exposure Quotient:			1.50E-04

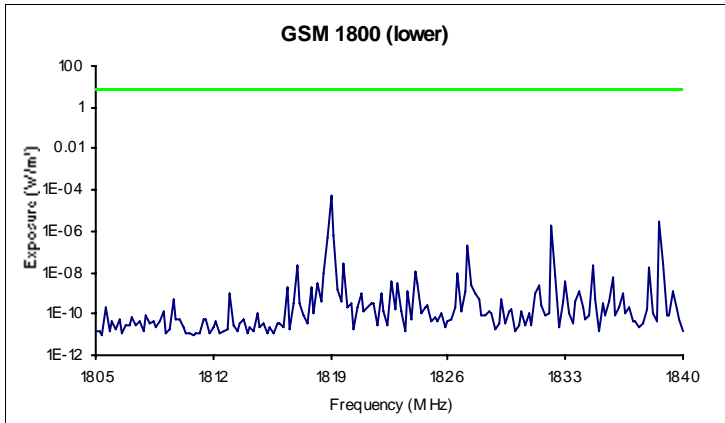
Total number of measurements: 572

Total Band Exposure Quotient: **1.88E-04**

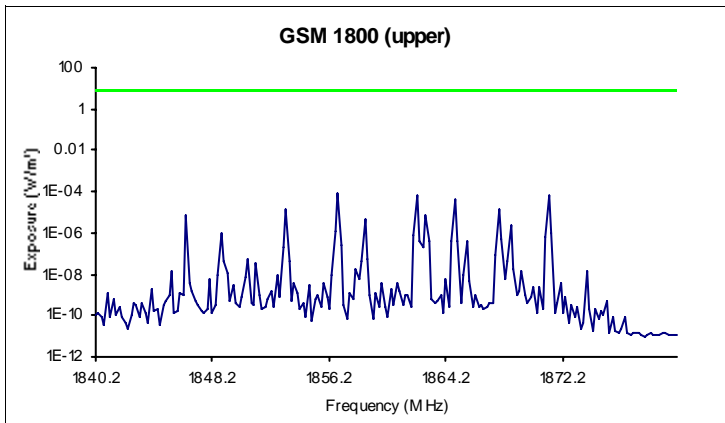
Site: Area around Centre Court	Receiver:
Location: Junction of Romney Close and Delamere Road	Manufacturer: ROHDE&SCHWARZ
NGR: SP 1065 8130 Taken from GPS	Model: EB200
Start Time: 24 May 2005 10:22:19	Serial Number: 837.752/003
Officer: John Taylor	Antenna:
	Manufacturer: Rohde & Schwarz
	Model: HE200
	Serial Number: 728264/025



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
948.400	3.41E-06	4.74	7.19E-07
950.200	2.48E-06	4.75	5.22E-07
949.200	7.64E-07	4.75	1.61E-07
956.800	3.72E-07	4.78	7.78E-08
958.600	3.41E-07	4.79	7.11E-08
946.200	3.16E-07	4.73	6.69E-08
940.400	2.42E-07	4.70	5.15E-08
944.000	2.33E-07	4.72	4.94E-08
959.800	2.31E-07	4.80	4.82E-08
959.000	2.10E-07	4.79	4.39E-08
Band Exposure Quotient:			2.00E-06



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,819.000	5.86E-05	9.10	6.45E-06
1,838.600	2.77E-06	9.19	3.02E-07
1,832.200	2.03E-06	9.16	2.22E-07
1,819.200	5.87E-07	9.10	6.45E-08
1,818.800	4.99E-07	9.09	5.49E-08
1,827.200	2.16E-07	9.14	2.36E-08
1,819.800	2.81E-08	9.10	3.09E-09
1,838.800	2.71E-08	9.19	2.95E-09
1,817.000	2.12E-08	9.09	2.34E-09
1,834.600	2.14E-08	9.17	2.33E-09
Band Exposure Quotient:			7.14E-06

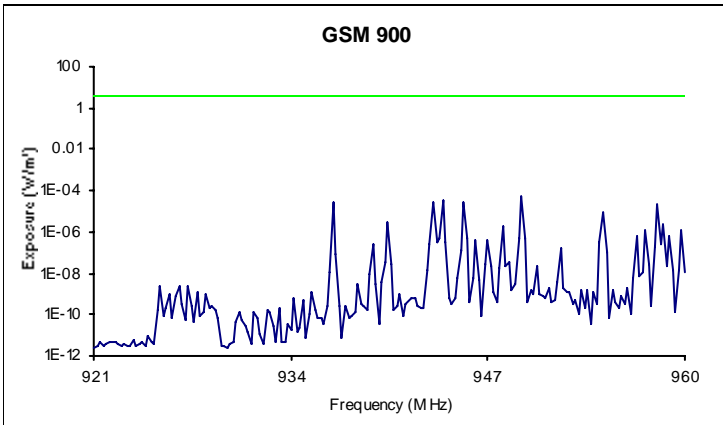


Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,856.800	8.84E-05	9.28	9.52E-06
1,871.200	7.37E-05	9.36	7.88E-06
1,862.200	6.03E-05	9.31	6.48E-06
1,864.800	4.49E-05	9.32	4.82E-06
1,853.200	1.43E-05	9.27	1.54E-06
1,867.800	1.33E-05	9.34	1.43E-06
1,846.400	7.56E-06	9.23	8.19E-07
1,862.800	6.47E-06	9.31	6.95E-07
1,858.600	4.25E-06	9.29	4.57E-07
1,868.600	2.12E-06	9.34	2.26E-07
Band Exposure Quotient:			3.48E-05

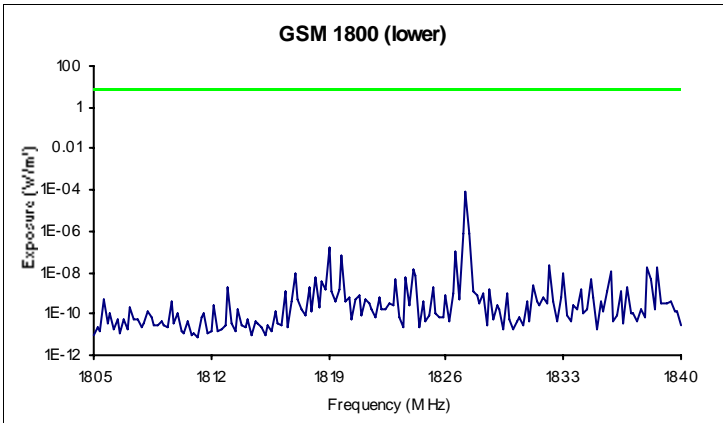
Total number of measurements: 572

Total Band Exposure Quotient: **4.39E-05**

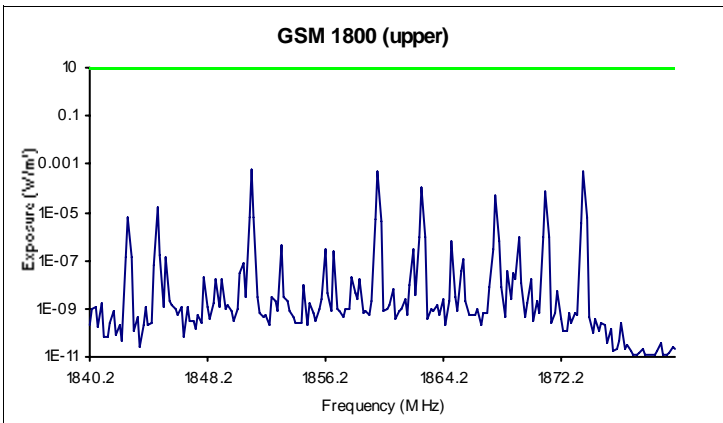
Site: Area around Centre Court	Receiver:
Location: Entrance to Hall Green Junior School	Manufacturer: ROHDE&SCHWARZ
NGR: SP 1069 8145 Taken from GPS	Model: EB200
Start Time: 24 May 2005 10:48:32	Serial Number: 837.752/003
Officer: John Taylor	Antenna:
	Manufacturer: Rohde & Schwarz
	Model: HE200
	Serial Number: 728264/025



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
949.200	5.41E-05	4.75	1.14E-05
944.000	3.70E-05	4.72	7.84E-06
945.400	2.95E-05	4.73	6.23E-06
936.800	2.82E-05	4.68	6.03E-06
943.400	2.44E-05	4.72	5.17E-06
958.200	2.01E-05	4.79	4.19E-06
954.600	8.29E-06	4.77	1.74E-06
940.400	2.78E-06	4.70	5.92E-07
958.600	2.41E-06	4.79	5.03E-07
948.000	1.83E-06	4.74	3.86E-07
Band Exposure Quotient:			4.60E-05



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,827.200	7.66E-05	9.14	8.39E-06
1,827.400	7.15E-07	9.14	7.83E-08
1,827.000	6.99E-07	9.13	7.65E-08
1,819.000	1.65E-07	9.10	1.82E-08
1,826.600	9.64E-08	9.13	1.06E-08
1,819.800	6.29E-08	9.10	6.92E-09
1,832.200	2.13E-08	9.16	2.32E-09
1,838.000	1.75E-08	9.19	1.90E-09
1,838.600	1.67E-08	9.19	1.82E-09
1,824.000	1.52E-08	9.12	1.67E-09
Band Exposure Quotient:			8.60E-06

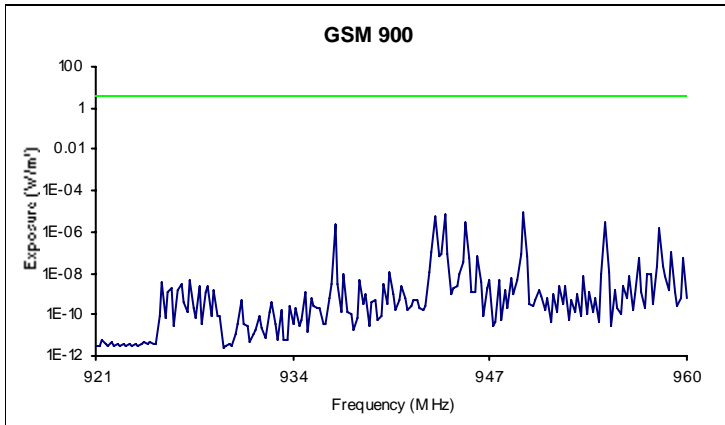


Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,851.200	6.20E-04	9.26	6.70E-05
1,873.800	4.78E-04	9.37	5.10E-05
1,859.800	4.66E-04	9.30	5.02E-05
1,862.800	1.00E-04	9.31	1.08E-05
1,871.200	7.90E-05	9.36	8.44E-06
1,867.800	5.19E-05	9.34	5.55E-06
1,844.800	1.58E-05	9.22	1.71E-06
1,851.000	6.49E-06	9.26	7.01E-07
1,842.800	6.40E-06	9.21	6.94E-07
1,874.000	5.88E-06	9.37	6.28E-07
Band Exposure Quotient:			2.00E-04

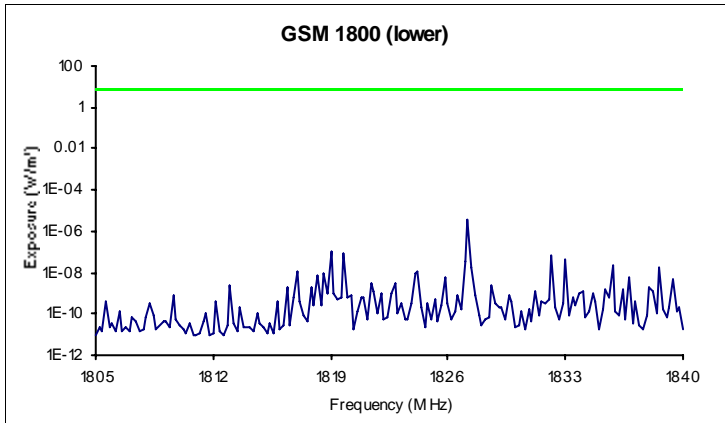
Total number of measurements: 572

Total Band Exposure Quotient: **2.54E-04**

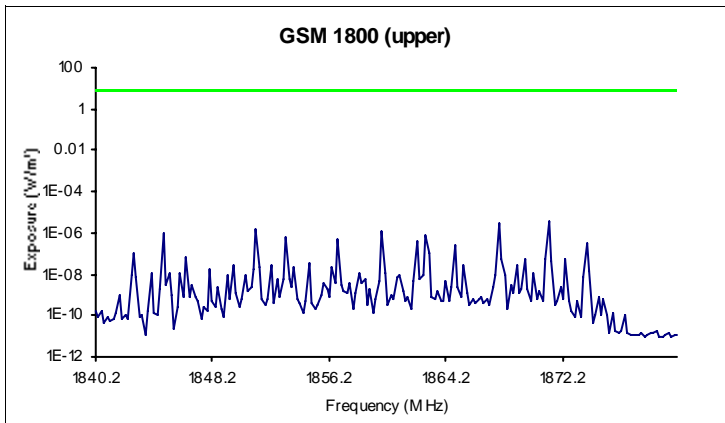
Site: Area around Centre Court	Receiver:
Location: Hall Green School at Petersfield Road Entrance	Manufacturer: ROHDE&SCHWARZ
NGR: SP 1055 8158 Taken from GPS	Model: EB200
Start Time: 24 May 2005 11:08:22	Serial Number: 837.752/003
Officer: John Taylor	Antenna:
	Manufacturer: Rohde & Schwarz
	Model: HE200
	Serial Number: 728264/025



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
949.200	9.19E-06	4.75	1.94E-06
944.000	7.05E-06	4.72	1.49E-06
943.400	5.85E-06	4.72	1.24E-06
954.600	3.01E-06	4.77	6.31E-07
945.400	2.95E-06	4.73	6.23E-07
936.800	2.52E-06	4.68	5.37E-07
958.200	1.63E-06	4.79	3.40E-07
959.000	1.08E-07	4.79	2.25E-08
943.200	9.94E-08	4.72	2.11E-08
949.000	8.77E-08	4.75	1.85E-08
Band Exposure Quotient:			7.03E-06



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,827.200	3.42E-06	9.14	3.75E-07
1,819.000	1.09E-07	9.10	1.20E-08
1,819.800	8.89E-08	9.10	9.77E-09
1,832.200	6.89E-08	9.16	7.52E-09
1,833.000	4.25E-08	9.16	4.64E-09
1,827.000	3.12E-08	9.13	3.42E-09
1,835.800	2.35E-08	9.18	2.56E-09
1,827.400	1.97E-08	9.14	2.16E-09
1,838.600	1.79E-08	9.19	1.95E-09
1,824.200	1.21E-08	9.12	1.32E-09
Band Exposure Quotient:			4.32E-07

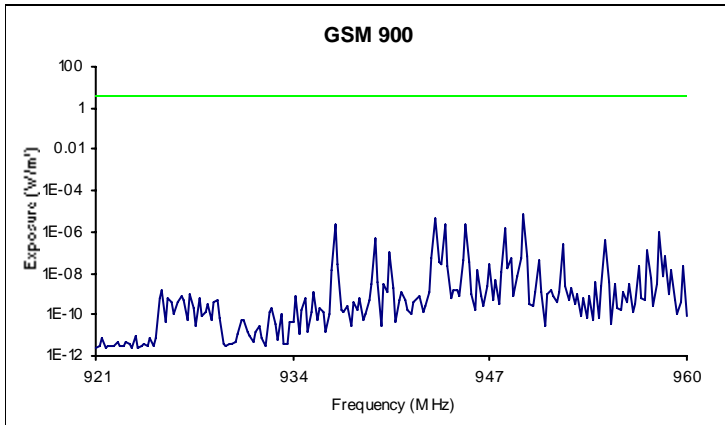


Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,871.200	3.87E-06	9.36	4.13E-07
1,867.800	2.85E-06	9.34	3.05E-07
1,851.200	1.63E-06	9.26	1.76E-07
1,859.800	1.35E-06	9.30	1.45E-07
1,844.800	1.04E-06	9.22	1.13E-07
1,862.800	8.53E-07	9.31	9.16E-08
1,853.200	6.37E-07	9.27	6.87E-08
1,856.800	4.86E-07	9.28	5.23E-08
1,862.200	3.81E-07	9.31	4.09E-08
1,873.800	3.23E-07	9.37	3.45E-08
Band Exposure Quotient:			1.58E-06

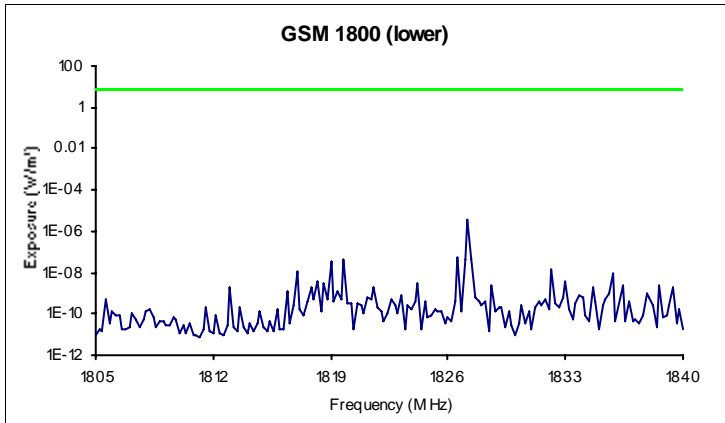
Total number of measurements: 572

Total Band Exposure Quotient: **9.05E-06**

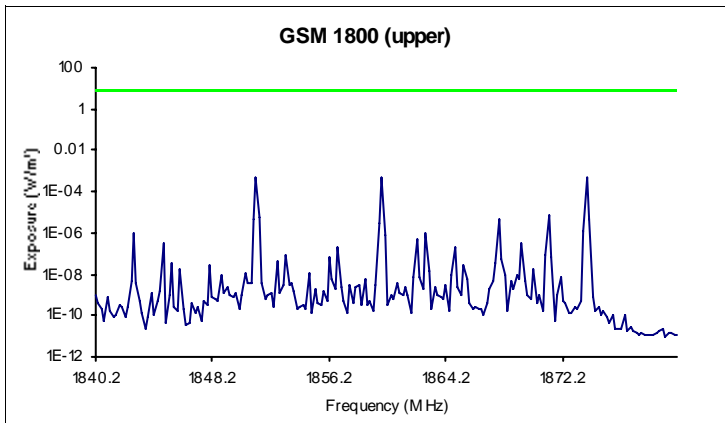
Site: Area around Centre Court	Receiver:
Location: Coniston Close	Manufacturer: ROHDE&SCHWARZ
NGR: SP 1076 8140 Taken from GPS	Model: EB200
Start Time: 24 May 2005 11:35:01	Serial Number: 837.752/003
Officer: John Taylor	Antenna:
	Manufacturer: Rohde & Schwarz
	Model: HE200
	Serial Number: 728264/025



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
949.200	6.97E-06	4.75	1.47E-06
943.400	4.34E-06	4.72	9.20E-07
944.000	2.56E-06	4.72	5.42E-07
945.400	2.45E-06	4.73	5.19E-07
936.800	2.19E-06	4.68	4.68E-07
948.000	1.63E-06	4.74	3.44E-07
958.200	1.01E-06	4.79	2.10E-07
939.400	4.50E-07	4.70	9.58E-08
954.600	3.88E-07	4.77	8.12E-08
951.800	2.55E-07	4.76	5.35E-08
Band Exposure Quotient:			4.92E-06



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,827.200	3.58E-06	9.14	3.92E-07
1,826.600	4.94E-08	9.13	5.41E-09
1,827.400	4.31E-08	9.14	4.72E-09
1,819.800	4.06E-08	9.10	4.47E-09
1,827.000	3.93E-08	9.13	4.30E-09
1,819.000	3.37E-08	9.10	3.71E-09
1,832.200	1.51E-08	9.16	1.65E-09
1,817.000	1.19E-08	9.09	1.31E-09
1,835.800	8.33E-09	9.18	9.08E-10
1,818.200	3.61E-09	9.09	3.97E-10
Band Exposure Quotient:			4.25E-07

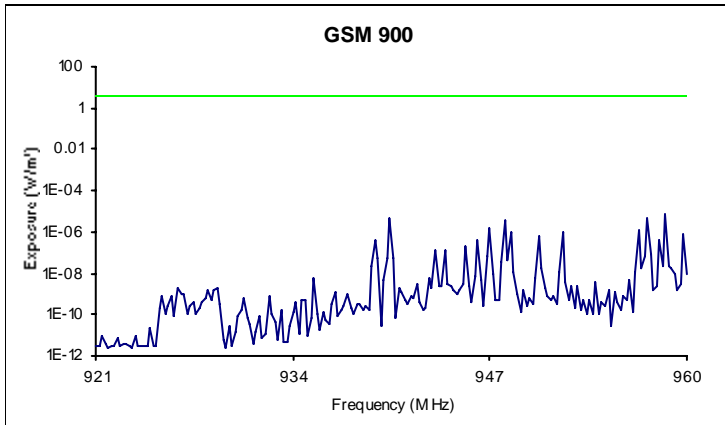


Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,873.800	4.56E-04	9.37	4.87E-05
1,859.800	4.46E-04	9.30	4.79E-05
1,851.200	4.39E-04	9.26	4.74E-05
1,871.200	7.20E-06	9.36	7.70E-07
1,851.400	5.16E-06	9.26	5.57E-07
1,851.000	4.49E-06	9.26	4.85E-07
1,867.800	4.31E-06	9.34	4.62E-07
1,874.000	4.16E-06	9.37	4.44E-07
1,859.600	2.81E-06	9.30	3.02E-07
1,873.600	1.35E-06	9.37	1.44E-07
Band Exposure Quotient:			1.48E-04

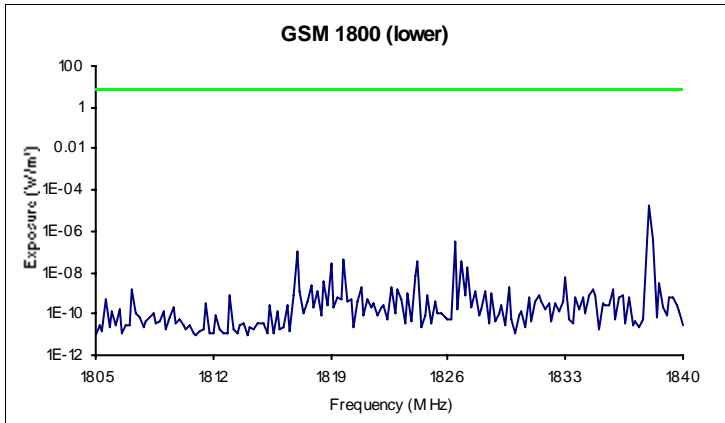
Total number of measurements: 572

Total Band Exposure Quotient: **1.53E-04**

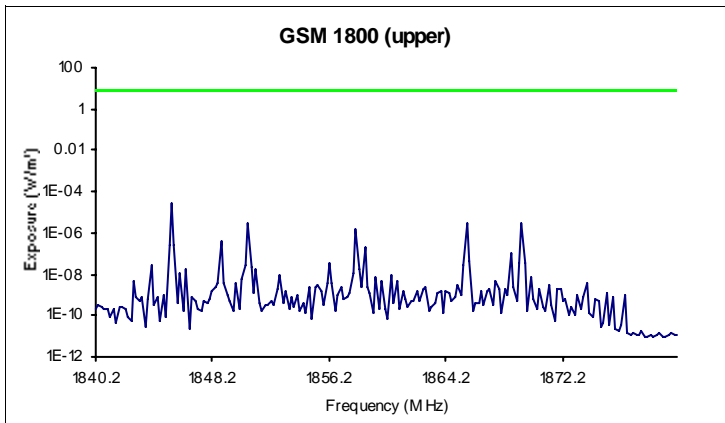
Site: Area around Centre Court	Receiver:
Location: Waitrose car park	Manufacturer: ROHDE&SCHWARZ
NGR: SP 1091 8114 Taken from GPS	Model: EB200
Start Time: 24 May 2005 12:00:52	Serial Number: 837.752/003
Officer: John Taylor	Antenna:
	Manufacturer: Rohde & Schwarz
	Model: HE200
	Serial Number: 728264/025



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
958.600	7.99E-06	4.79	1.67E-06
940.400	4.62E-06	4.70	9.82E-07
957.400	4.38E-06	4.79	9.15E-07
948.000	3.82E-06	4.74	8.06E-07
947.000	1.48E-06	4.74	3.13E-07
956.800	1.12E-06	4.78	2.35E-07
948.400	1.08E-06	4.74	2.27E-07
951.800	1.01E-06	4.76	2.13E-07
959.800	7.83E-07	4.80	1.63E-07
950.200	5.95E-07	4.75	1.25E-07
Band Exposure Quotient:			6.15E-06



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,838.000	1.79E-05	9.19	1.95E-06
1,838.200	3.65E-07	9.19	3.97E-08
1,837.800	3.49E-07	9.19	3.79E-08
1,826.400	3.12E-07	9.13	3.41E-08
1,817.000	1.04E-07	9.09	1.14E-08
1,819.800	4.06E-08	9.10	4.47E-09
1,826.800	3.75E-08	9.13	4.11E-09
1,824.200	3.57E-08	9.12	3.91E-09
1,819.000	2.56E-08	9.10	2.81E-09
1,827.200	1.76E-08	9.14	1.92E-09
Band Exposure Quotient:			2.09E-06



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,845.400	2.56E-05	9.23	2.77E-06
1,865.600	3.19E-06	9.33	3.42E-07
1,850.600	2.83E-06	9.25	3.06E-07
1,869.400	2.86E-06	9.35	3.06E-07
1,858.000	1.50E-06	9.29	1.62E-07
1,848.800	3.90E-07	9.24	4.21E-08
1,845.200	2.62E-07	9.23	2.84E-08
1,845.600	2.44E-07	9.23	2.65E-08
1,858.600	1.85E-07	9.29	1.99E-08
1,868.600	1.01E-07	9.34	1.08E-08
Band Exposure Quotient:			4.07E-06

Total number of measurements: 572

Total Band Exposure Quotient: **1.23E-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

Frequency	ICNIRP limit
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