

Mobile Phone Base-Station Audit

**Audit site: Stepping Hill Hospital Maternity Unit,
Poplar Grove, Stockport,
SK2 7JE.**

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, Ofjel 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 Stepping Hill Hospital Maternity Unit, on 4 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
Garden area outside main entrance to Womens Unit.	2.46E-05	1/40727
Meeting Room S/66/6 002 Level 6 Divisional Admin.	8.28E-06	1/120773
Next to desks in room S/66/6 044 Carole Drury's office. Level 6 Divisional Admin.	5.08E-06	1/196690
Open area outside Sue Cardwell's Office S/66/6 043 Level 6	4.95E-06	1/201968
Corridor outside lift 3 & 4 Level 6 Divisional Admin.	3.93E-06	1/254475
Adjacent to Coffee Plus, ground floor reception area.	1.63E-07	1/6138808
Ultrasound scan reception adjacent to Waiting Room A	1.41E-07	1/7086627
Main corridor in Neonatal Unit	1.33E-07	1/7530215

Issued on behalf of Ofcom.

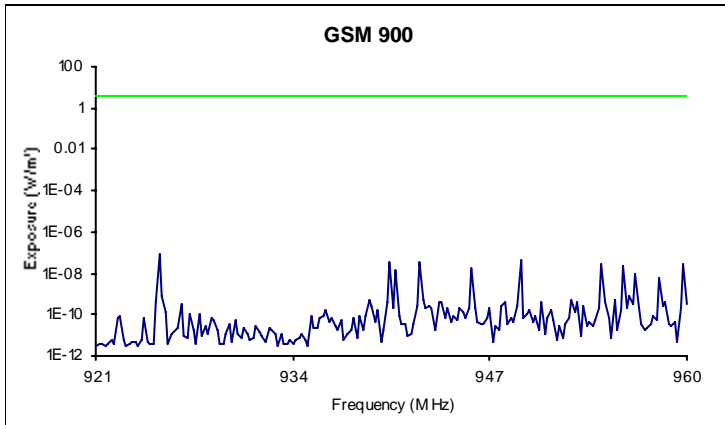
Issued by:

Received by:

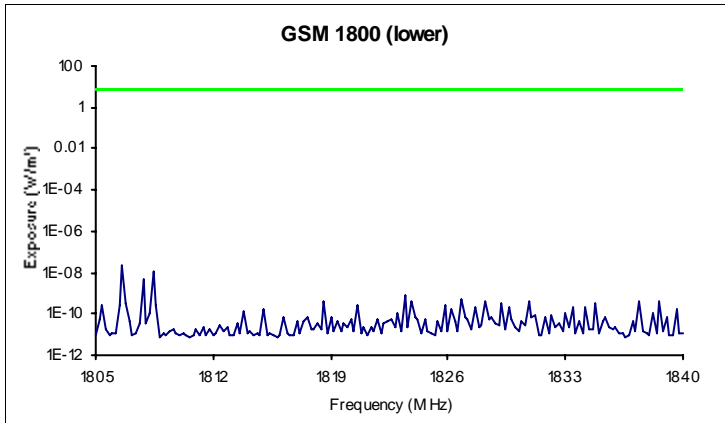
JL
Technical Investigation Officer

Mr. Ian James

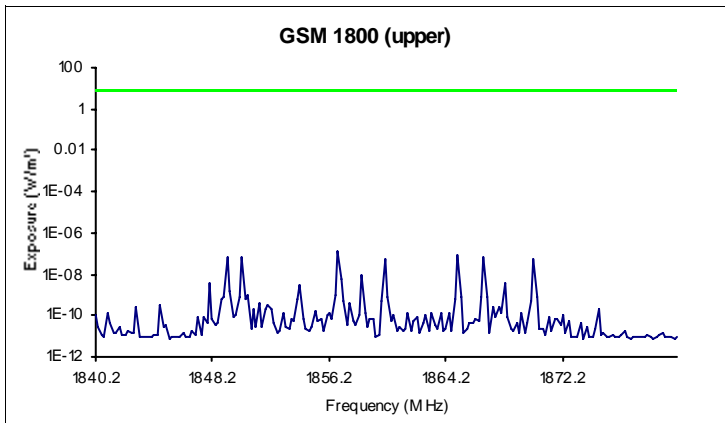
Site: Stepping Hill Hospital Maternity Unit,	Receiver:
Location: Ultrasound scan reception adjacent to Waiting Room A	Manufacturer: ROHDE&SCHWARZ
NGR: SJ 9130 8738 Taken from GPS	Model: EB200
Start Time: 04 May 2005 21:22:41	Serial Number: 838.681/021
Officer: John Livesey	Antenna:
	Manufacturer: Rohde & Schwarz
	Model: HE200.4050.3609 02
	Serial Number: 100090



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
925.200	8.90E-08	4.63	1.92E-08
949.000	4.30E-08	4.75	9.05E-09
942.400	3.77E-08	4.71	8.00E-09
940.400	3.50E-08	4.70	7.45E-09
959.800	3.05E-08	4.80	6.35E-09
954.400	2.56E-08	4.77	5.37E-09
955.800	2.34E-08	4.78	4.90E-09
945.800	1.62E-08	4.73	3.43E-09
940.800	1.57E-08	4.70	3.33E-09
956.600	8.33E-09	4.78	1.74E-09
Band Exposure Quotient:			7.38E-08



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,806.600	2.23E-08	9.03	2.47E-09
1,808.400	1.20E-08	9.04	1.33E-09
1,807.800	4.47E-09	9.04	4.94E-10
1,823.400	7.27E-10	9.12	7.97E-11
1,826.800	4.94E-10	9.13	5.41E-11
1,828.200	4.52E-10	9.14	4.94E-11
1,838.600	4.50E-10	9.19	4.89E-11
1,818.600	4.15E-10	9.09	4.56E-11
1,837.400	4.19E-10	9.19	4.56E-11
1,830.800	4.14E-10	9.15	4.52E-11
Band Exposure Quotient:			5.56E-09

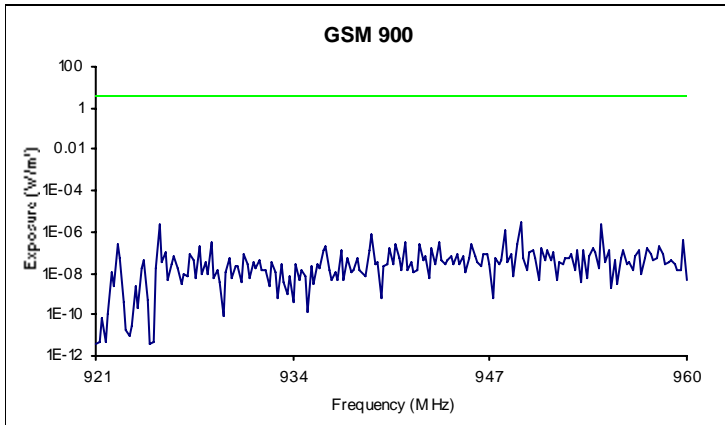


Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,856.800	1.25E-07	9.28	1.35E-08
1,865.000	7.81E-08	9.32	8.38E-09
1,849.200	7.43E-08	9.25	8.03E-09
1,866.800	7.15E-08	9.33	7.66E-09
1,850.200	6.94E-08	9.25	7.51E-09
1,860.000	6.01E-08	9.30	6.46E-09
1,870.200	4.86E-08	9.35	5.20E-09
1,858.400	8.47E-09	9.29	9.11E-10
1,857.000	5.84E-09	9.29	6.29E-10
1,848.000	3.89E-09	9.24	4.21E-10
Band Exposure Quotient:			6.17E-08

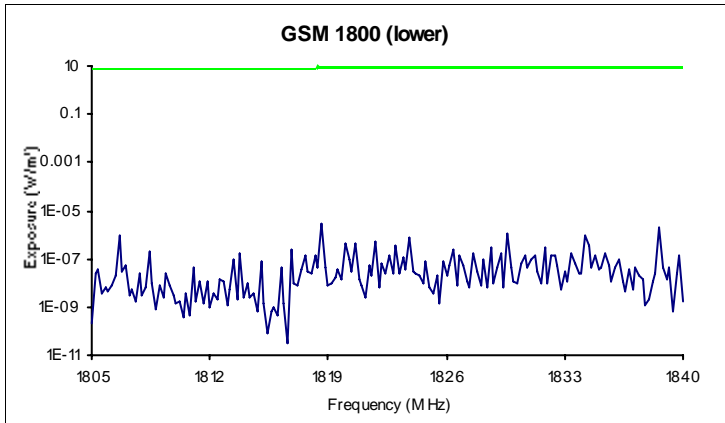
Total number of measurements: 572

Total Band Exposure Quotient: **1.41E-07**

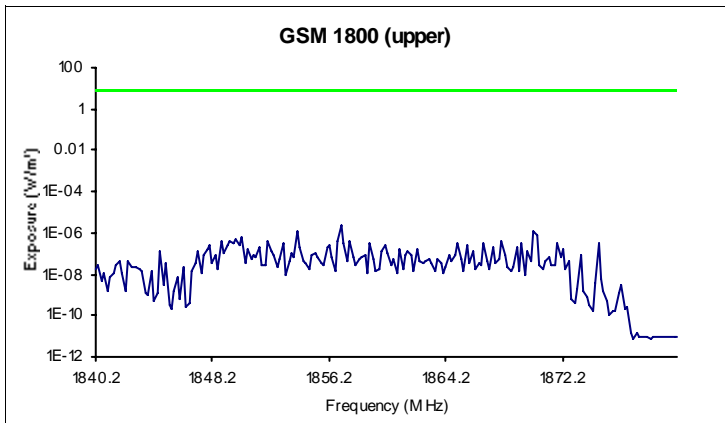
Site:	Stepping Hill Hospital Maternity Unit,	Receiver:	Manufacturer: ROHDE&SCHWARZ
Location:	Meeting Room S/66/6 002 Level 6 Divisional Admin.	Model:	EB200
NGR:	SJ 9130 8738 Taken from GPS	Serial Number:	838.681/021
Start Time:	05 May 2005 11:52:51	Antenna:	Manufacturer: Rohde & Schwarz
Officer:	John Livesey	Model:	HE200.4050.3609 02
		Serial Number:	100090



Frequency (MHz)	Maximum Exposure (W/m ²)	ICNIRP Limit (W/m ²)	Frequency Exposure Quotient
949.000	3.11E-06	4.75	6.56E-07
925.200	2.39E-06	4.63	5.18E-07
954.400	2.34E-06	4.77	4.89E-07
948.000	1.29E-06	4.74	2.73E-07
939.200	7.30E-07	4.70	1.55E-07
959.800	4.11E-07	4.80	8.56E-08
928.600	3.26E-07	4.64	7.01E-08
943.600	2.93E-07	4.72	6.22E-08
941.400	2.92E-07	4.71	6.20E-08
940.800	2.85E-07	4.70	6.06E-08
Band Exposure Quotient:			4.18E-06



Frequency (MHz)	Maximum Exposure (W/m ²)	ICNIRP Limit (W/m ²)	Frequency Exposure Quotient
1,818.600	2.94E-06	9.09	3.23E-07
1,838.600	1.83E-06	9.19	1.99E-07
1,829.600	1.04E-06	9.15	1.13E-07
1,834.200	9.99E-07	9.17	1.09E-07
1,806.600	8.89E-07	9.03	9.84E-08
1,823.800	7.44E-07	9.12	8.16E-08
1,821.800	5.37E-07	9.11	5.90E-08
1,820.600	4.36E-07	9.10	4.79E-08
1,820.000	4.06E-07	9.10	4.47E-08
1,823.000	3.81E-07	9.12	4.18E-08
Band Exposure Quotient:			1.88E-06

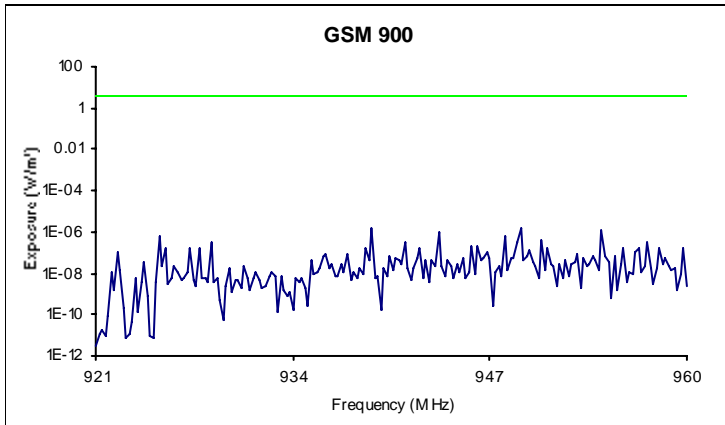


Frequency (MHz)	Maximum Exposure (W/m ²)	ICNIRP Limit (W/m ²)	Frequency Exposure Quotient
1,857.000	2.44E-06	9.29	2.62E-07
1,854.000	1.33E-06	9.27	1.44E-07
1,870.200	1.19E-06	9.35	1.28E-07
1,870.400	7.19E-07	9.35	7.69E-08
1,850.200	6.79E-07	9.25	7.34E-08
1,849.800	5.39E-07	9.25	5.82E-08
1,868.000	4.42E-07	9.34	4.73E-08
1,857.600	4.24E-07	9.29	4.56E-08
1,849.400	3.81E-07	9.25	4.12E-08
1,848.800	3.72E-07	9.24	4.02E-08
Band Exposure Quotient:			2.22E-06

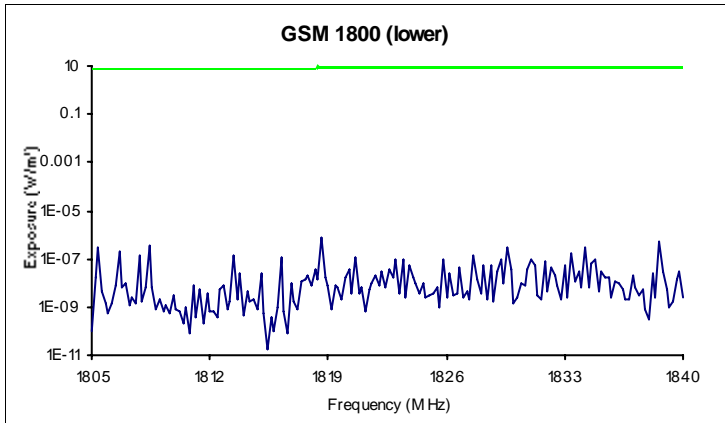
Total number of measurements: 572

Total Band Exposure Quotient: **8.28E-06**

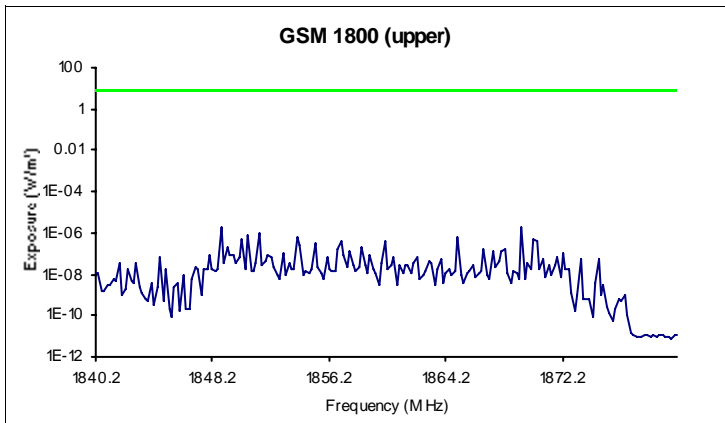
Site: Stepping Hill Hospital Maternity Unit,	Receiver:
Location: Open area outside Sue Cardwell's Office S/66/6 043 Level 6	Manufacturer: ROHDE&SCHWARZ Model: EB200 Serial Number: 838.681/021
NGR: SJ 9130 8738 Taken from GPS	Antenna:
Start Time: 05 May 2005 12:07:27	Manufacturer: Rohde & Schwarz Model: HE200.4050.3609 02 Serial Number: 100090
Officer: John Livesey	



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
939.200	1.42E-06	4.70	3.03E-07
949.000	1.36E-06	4.75	2.86E-07
954.400	1.20E-06	4.77	2.51E-07
943.600	9.28E-07	4.72	1.97E-07
948.000	6.19E-07	4.74	1.31E-07
925.200	6.01E-07	4.63	1.30E-07
950.400	3.67E-07	4.75	7.72E-08
928.600	3.49E-07	4.64	7.51E-08
948.800	3.49E-07	4.74	7.36E-08
941.400	3.13E-07	4.71	6.65E-08
Band Exposure Quotient:			2.82E-06



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,818.600	7.91E-07	9.09	8.69E-08
1,838.600	5.66E-07	9.19	6.16E-08
1,808.400	3.39E-07	9.04	3.75E-08
1,805.400	3.08E-07	9.03	3.41E-08
1,829.600	2.79E-07	9.15	3.05E-08
1,834.200	2.75E-07	9.17	3.00E-08
1,806.600	2.13E-07	9.03	2.36E-08
1,833.400	1.58E-07	9.17	1.73E-08
1,807.800	1.44E-07	9.04	1.60E-08
1,827.600	1.40E-07	9.14	1.53E-08
Band Exposure Quotient:			6.32E-07

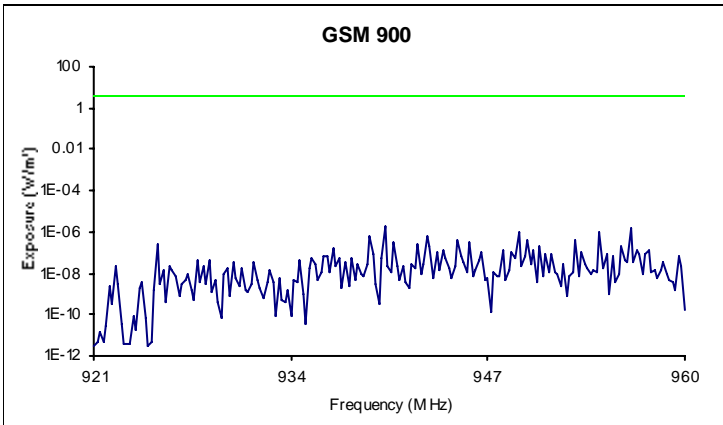


Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,869.400	2.07E-06	9.35	2.22E-07
1,848.800	1.70E-06	9.24	1.84E-07
1,851.400	1.03E-06	9.26	1.11E-07
1,850.600	7.62E-07	9.25	8.24E-08
1,854.000	5.81E-07	9.27	6.27E-08
1,865.000	5.79E-07	9.32	6.21E-08
1,850.200	4.92E-07	9.25	5.31E-08
1,870.200	4.75E-07	9.35	5.08E-08
1,860.000	4.36E-07	9.30	4.68E-08
1,857.000	4.14E-07	9.29	4.46E-08
Band Exposure Quotient:			1.50E-06

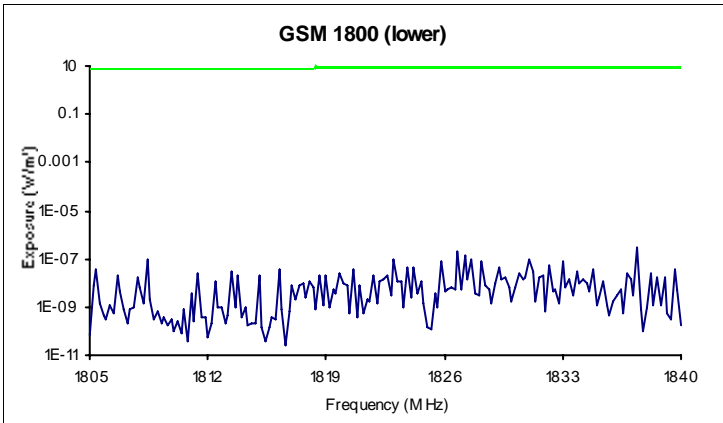
Total number of measurements: 572

Total Band Exposure Quotient: **4.95E-06**

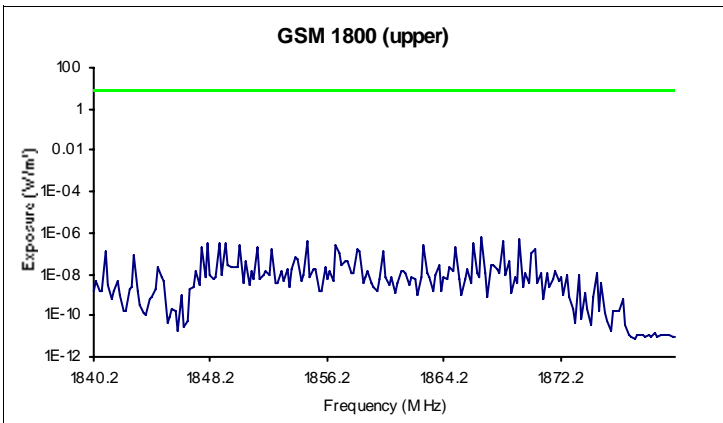
Site:	Stepping Hill Hospital Maternity Unit,	Receiver:	Manufacturer: ROHDE&SCHWARZ
Location:	Corridor outside lift 3 & 4 Level 6 Divisional Admin.	Model:	EB200
NGR:	SJ 9130 8738 Taken from GPS	Serial Number:	838.681/021
Start Time:	05 May 2005 12:21:50	Antenna:	Manufacturer: Rohde & Schwarz
Officer:	John Livesey	Model:	HE200.4050.3609 02
		Serial Number:	100090



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
940.200	1.84E-06	4.70	3.91E-07
956.400	1.66E-06	4.78	3.47E-07
949.000	1.05E-06	4.75	2.22E-07
954.400	1.02E-06	4.77	2.14E-07
939.200	6.50E-07	4.70	1.39E-07
943.000	6.41E-07	4.71	1.36E-07
949.600	4.20E-07	4.75	8.85E-08
952.800	3.77E-07	4.76	7.92E-08
945.000	3.71E-07	4.72	7.85E-08
940.800	3.05E-07	4.70	6.49E-08
Band Exposure Quotient:			2.90E-06



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,837.400	3.10E-07	9.19	3.38E-08
1,826.800	1.88E-07	9.13	2.06E-08
1,827.200	1.36E-07	9.14	1.49E-08
1,823.000	9.15E-08	9.12	1.00E-08
1,808.400	8.92E-08	9.04	9.86E-09
1,827.600	9.01E-08	9.14	9.86E-09
1,831.000	8.65E-08	9.15	9.45E-09
1,825.800	7.82E-08	9.13	8.57E-09
1,828.200	7.68E-08	9.14	8.40E-09
1,833.000	7.39E-08	9.16	8.07E-09
Band Exposure Quotient:			2.78E-07

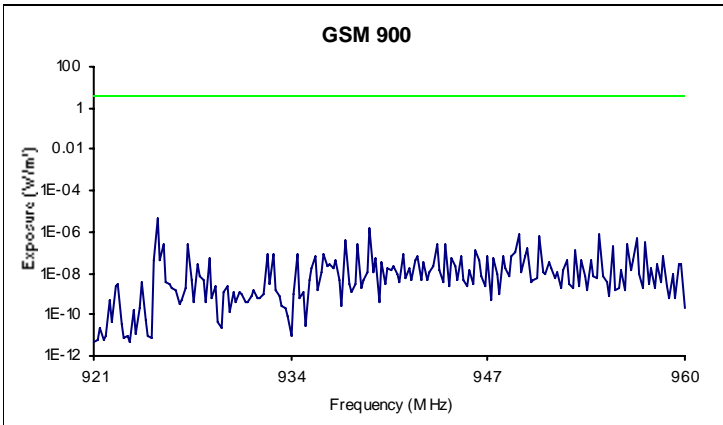


Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,866.800	6.22E-07	9.33	6.67E-08
1,869.400	4.85E-07	9.35	5.19E-08
1,868.200	3.76E-07	9.34	4.02E-08
1,854.800	3.59E-07	9.27	3.87E-08
1,848.800	3.32E-07	9.24	3.59E-08
1,848.000	3.31E-07	9.24	3.58E-08
1,866.200	3.34E-07	9.33	3.58E-08
1,849.200	3.10E-07	9.25	3.35E-08
1,856.800	2.44E-07	9.28	2.62E-08
1,850.200	2.30E-07	9.25	2.49E-08
Band Exposure Quotient:			7.51E-07

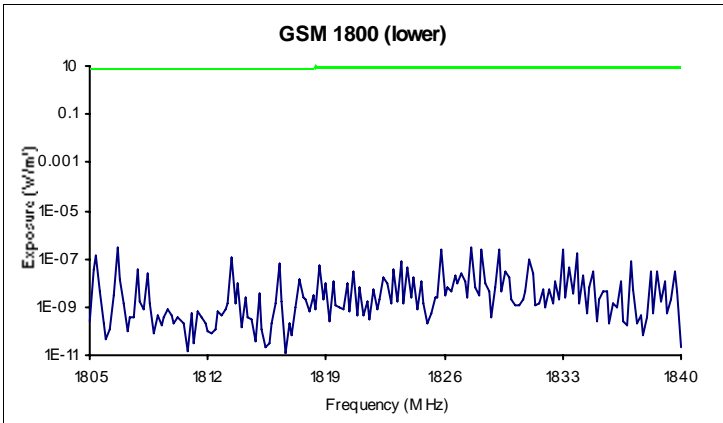
Total number of measurements: 572

Total Band Exposure Quotient: **3.93E-06**

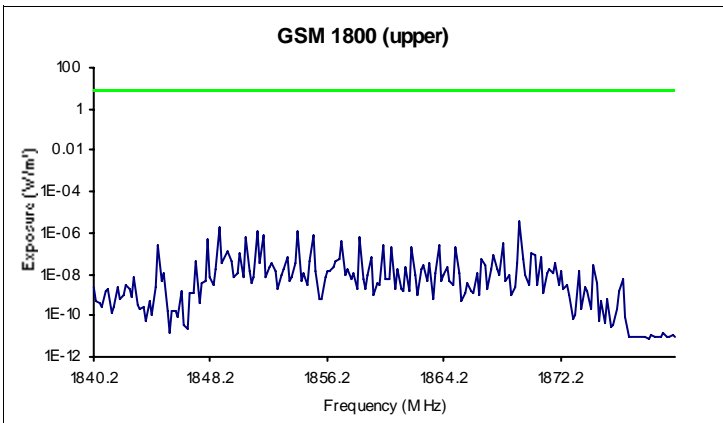
Site:	Stepping Hill Hospital Maternity Unit,	Receiver:	
Location:	Next to desks in room S/66/6 044 Carole Drury's office. Level 6 Divisional Admin.	Manufacturer:	ROHDE&SCHWARZ
NGR:	SJ 9130 8738 Taken from GPS	Model:	EB200
Start Time:	05 May 2005 12:38:13	Serial Number:	838.681/021
Officer:	John Livesey	Antenna:	
		Manufacturer:	Rohde & Schwarz
		Model:	HE200.4050.3609 02
		Serial Number:	100090



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
925.200	4.46E-06	4.63	9.64E-07
939.200	1.60E-06	4.70	3.40E-07
954.400	7.73E-07	4.77	1.62E-07
949.000	7.13E-07	4.75	1.50E-07
950.400	5.68E-07	4.75	1.20E-07
956.800	4.80E-07	4.78	1.00E-07
937.600	3.64E-07	4.69	7.77E-08
957.400	3.48E-07	4.79	7.27E-08
925.600	2.75E-07	4.63	5.95E-08
938.400	2.77E-07	4.69	5.90E-08
Band Exposure Quotient:			3.00E-06



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,806.600	3.15E-07	9.03	3.49E-08
1,827.600	2.92E-07	9.14	3.19E-08
1,828.200	2.54E-07	9.14	2.78E-08
1,833.000	2.50E-07	9.16	2.73E-08
1,829.200	2.38E-07	9.15	2.60E-08
1,825.800	2.26E-07	9.13	2.47E-08
1,833.800	1.55E-07	9.17	1.69E-08
1,805.400	1.41E-07	9.03	1.56E-08
1,813.400	1.24E-07	9.07	1.37E-08
1,831.000	1.02E-07	9.15	1.11E-08
Band Exposure Quotient:			3.57E-07

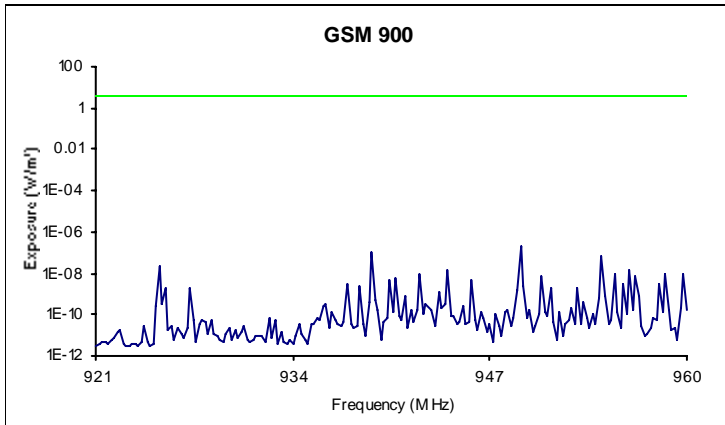


Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,869.400	3.95E-06	9.35	4.22E-07
1,848.800	2.09E-06	9.24	2.26E-07
1,851.400	1.10E-06	9.26	1.19E-07
1,854.200	1.08E-06	9.27	1.17E-07
1,855.200	8.23E-07	9.28	8.87E-08
1,851.800	7.46E-07	9.26	8.06E-08
1,858.400	6.88E-07	9.29	7.41E-08
1,850.600	6.79E-07	9.25	7.34E-08
1,848.000	5.01E-07	9.24	5.42E-08
1,857.200	4.44E-07	9.29	4.78E-08
Band Exposure Quotient:			1.73E-06

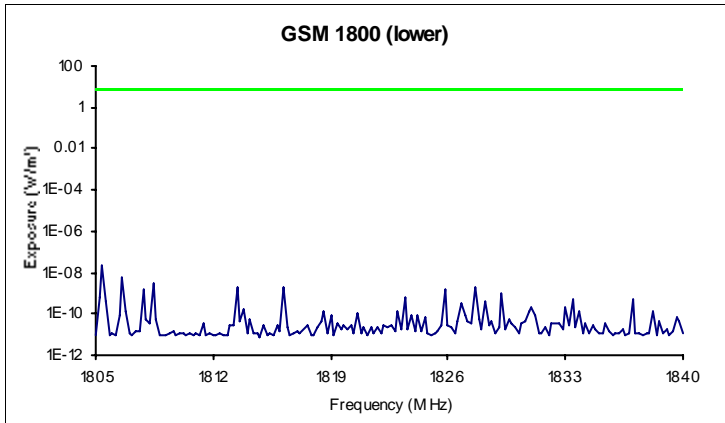
Total number of measurements: 572

Total Band Exposure Quotient: **5.08E-06**

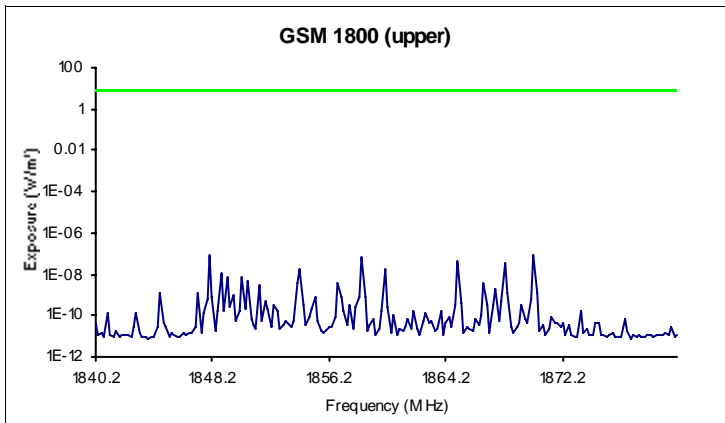
Site: Stepping Hill Hospital Maternity Unit,	Receiver:
Location: Adjacent to Coffee Plus, ground floor reception area.	Manufacturer: ROHDE&SCHWARZ
NGR: SJ 9130 8738 Taken from GPS	Model: EB200
Start Time: 05 May 2005 12:56:34	Serial Number: 838.681/021
Officer: John Livesey	Antenna:
	Manufacturer: Rohde & Schwarz
	Model: HE200.4050.3609 02
	Serial Number: 100090



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
949.000	2.01E-07	4.75	4.23E-08
939.200	1.10E-07	4.70	2.35E-08
954.400	6.58E-08	4.77	1.38E-08
925.200	2.34E-08	4.63	5.06E-09
944.200	1.54E-08	4.72	3.27E-09
956.200	1.29E-08	4.78	2.70E-09
959.800	9.86E-09	4.80	2.05E-09
955.200	9.53E-09	4.78	2.00E-09
942.400	9.26E-09	4.71	1.96E-09
958.600	8.37E-09	4.79	1.75E-09
Band Exposure Quotient:			1.13E-07



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,805.400	2.03E-08	9.03	2.25E-09
1,806.600	5.36E-09	9.03	5.93E-10
1,808.400	2.95E-09	9.04	3.27E-10
1,813.400	2.06E-09	9.07	2.27E-10
1,827.600	1.97E-09	9.14	2.16E-10
1,816.200	1.93E-09	9.08	2.13E-10
1,807.800	1.48E-09	9.04	1.64E-10
1,825.800	1.49E-09	9.13	1.63E-10
1,829.200	1.09E-09	9.15	1.19E-10
1,823.400	6.79E-10	9.12	7.44E-11
Band Exposure Quotient:			5.20E-09

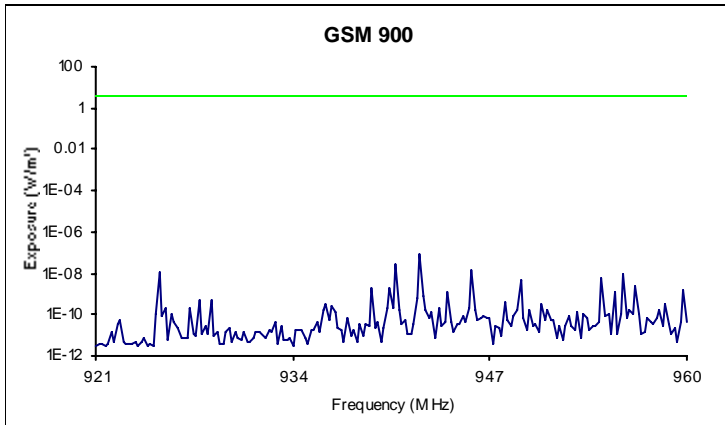


Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,848.000	9.12E-08	9.24	9.87E-09
1,870.200	7.70E-08	9.35	8.24E-09
1,858.400	7.38E-08	9.29	7.94E-09
1,865.000	4.01E-08	9.32	4.30E-09
1,868.200	3.43E-08	9.34	3.67E-09
1,860.000	1.66E-08	9.30	1.78E-09
1,854.200	1.64E-08	9.27	1.77E-09
1,848.800	1.26E-08	9.24	1.36E-09
1,849.200	7.43E-09	9.25	8.03E-10
1,850.200	7.27E-09	9.25	7.86E-10
Band Exposure Quotient:			4.51E-08

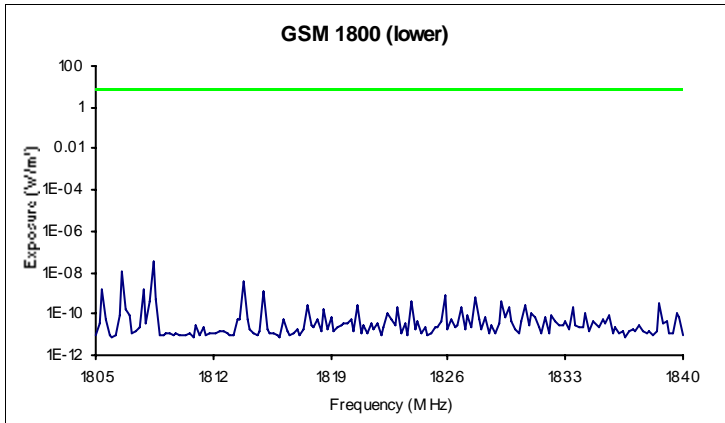
Total number of measurements: 572

Total Band Exposure Quotient: **1.63E-07**

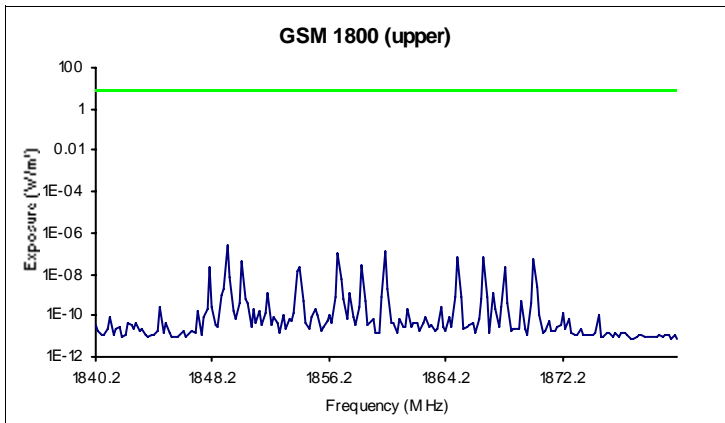
Site: Stepping Hill Hospital Maternity Unit,	Receiver:
Location: Main corridor in Neonatal Unit	Manufacturer: ROHDE&SCHWARZ
NGR: SJ 9130 8738 Taken from GPS	Model: EB200
Start Time: 05 May 2005 13:10:58	Serial Number: 838.681/021
Officer: John Livesey	Antenna:
	Manufacturer: Rohde & Schwarz
	Model: HE200.4050.3609 02
	Serial Number: 100090



Frequency (MHz)	Maximum Exposure (W/m ²)	ICNIRP Limit (W/m ²)	Frequency Exposure Quotient
942.400	7.88E-08	4.71	1.67E-08
940.800	2.60E-08	4.70	5.53E-09
945.800	1.58E-08	4.73	3.35E-09
925.200	1.09E-08	4.63	2.37E-09
955.800	8.31E-09	4.78	1.74E-09
954.400	5.23E-09	4.77	1.10E-09
949.000	4.50E-09	4.75	9.48E-10
956.600	2.63E-09	4.78	5.51E-10
939.200	1.88E-09	4.70	3.99E-10
940.400	1.84E-09	4.70	3.91E-10
Band Exposure Quotient:			3.64E-08



Frequency (MHz)	Maximum Exposure (W/m ²)	ICNIRP Limit (W/m ²)	Frequency Exposure Quotient
1,808.400	3.55E-08	9.04	3.93E-09
1,806.600	1.02E-08	9.03	1.13E-09
1,813.800	3.50E-09	9.07	3.86E-10
1,807.800	1.48E-09	9.04	1.64E-10
1,805.400	1.37E-09	9.03	1.52E-10
1,815.000	1.19E-09	9.07	1.31E-10
1,825.800	7.64E-10	9.13	8.37E-11
1,827.600	6.09E-10	9.14	6.67E-11
1,808.600	5.50E-10	9.04	6.08E-11
1,808.200	4.37E-10	9.04	4.83E-11
Band Exposure Quotient:			6.95E-09

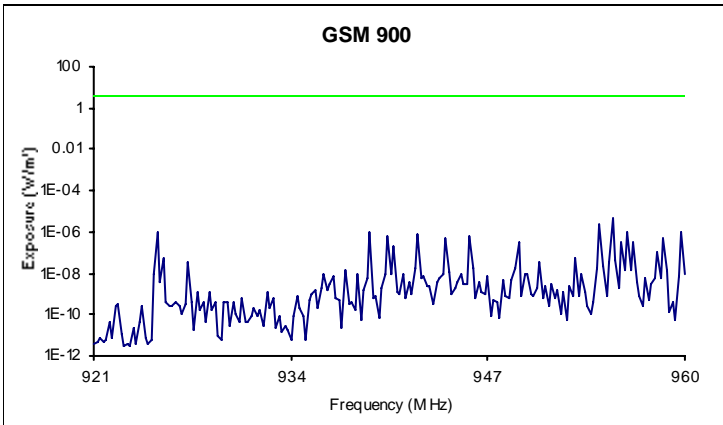


Frequency (MHz)	Maximum Exposure (W/m ²)	ICNIRP Limit (W/m ²)	Frequency Exposure Quotient
1,849.200	2.40E-07	9.25	2.60E-08
1,860.000	1.20E-07	9.30	1.29E-08
1,856.800	9.92E-08	9.28	1.07E-08
1,865.000	6.96E-08	9.32	7.47E-09
1,866.800	6.22E-08	9.33	6.67E-09
1,870.200	4.86E-08	9.35	5.20E-09
1,850.200	4.70E-08	9.25	5.08E-09
1,858.400	2.56E-08	9.29	2.75E-09
1,854.200	2.42E-08	9.27	2.62E-09
1,848.000	2.09E-08	9.24	2.26E-09
Band Exposure Quotient:			8.95E-08

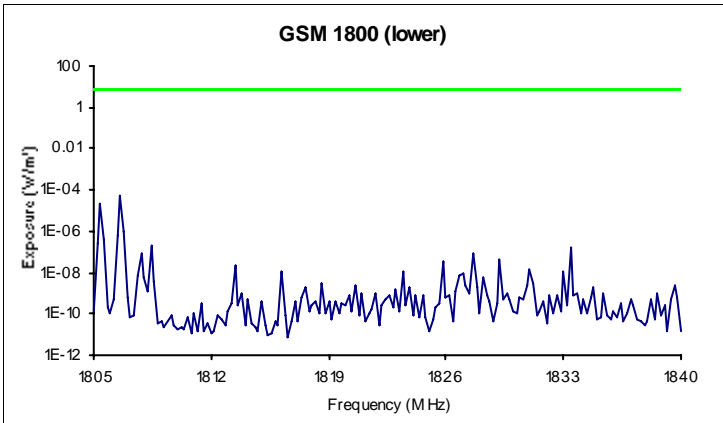
Total number of measurements: 572

Total Band Exposure Quotient: **1.33E-07**

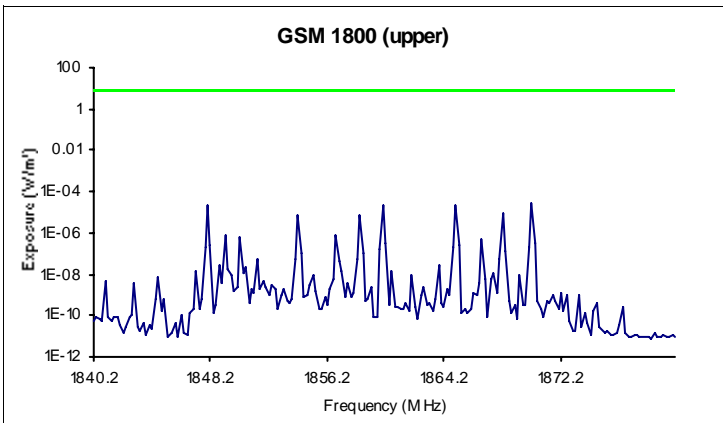
Site: Stepping Hill Hospital Maternity Unit,	Receiver:
Location: Garden area outside main entrance to Womens Unit.	Manufacturer: ROHDE&SCHWARZ
NGR: SJ 9135 8731 Taken from GPS	Model: EB200
Start Time: 05 May 2005 13:26:13	Serial Number: 838.681/021
Officer: John Livesey	Antenna:
	Manufacturer: Rohde & Schwarz
	Model: HE200.4050.3609 02
	Serial Number: 100090



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
955.200	4.36E-06	4.78	9.12E-07
954.400	2.34E-06	4.77	4.89E-07
925.200	1.07E-06	4.63	2.31E-07
956.200	1.07E-06	4.78	2.24E-07
959.800	9.63E-07	4.80	2.01E-07
939.200	9.40E-07	4.70	2.00E-07
942.400	7.52E-07	4.71	1.60E-07
940.400	6.37E-07	4.70	1.36E-07
945.800	5.89E-07	4.73	1.24E-07
944.200	5.11E-07	4.72	1.08E-07
Band Exposure Quotient:			3.32E-06



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,806.600	5.61E-05	9.03	6.21E-06
1,805.400	2.18E-05	9.03	2.41E-06
1,806.800	9.98E-07	9.03	1.10E-07
1,806.400	5.74E-07	9.03	6.35E-08
1,805.600	4.15E-07	9.03	4.60E-08
1,805.200	2.39E-07	9.03	2.64E-08
1,808.400	2.04E-07	9.04	2.26E-08
1,833.400	1.48E-07	9.17	1.61E-08
1,827.600	8.80E-08	9.14	9.63E-09
1,807.800	7.76E-08	9.04	8.58E-09
Band Exposure Quotient:			8.95E-06



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,870.200	2.49E-05	9.35	2.67E-06
1,860.000	2.08E-05	9.30	2.24E-06
1,865.000	2.05E-05	9.32	2.20E-06
1,848.000	1.95E-05	9.24	2.11E-06
1,868.200	8.42E-06	9.34	9.01E-07
1,854.200	7.32E-06	9.27	7.90E-07
1,858.400	7.21E-06	9.29	7.76E-07
1,856.800	8.64E-07	9.28	9.31E-08
1,849.200	7.78E-07	9.25	8.41E-08
1,850.200	5.64E-07	9.25	6.10E-08
Band Exposure Quotient:			1.23E-05

Total number of measurements: 572

Total Band Exposure Quotient: **2.46E-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