

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



**Mobile Phone
Base-Station Audit**

Audit Site: Mitchell's (Gloucester) Limited
88 Bristol Road
Gloucester
Gloucestershire
GL1 5XA

Work Performed by		Distribution List	
James Loughlin Field Manager	3G measurements & Report	Lloyd Tailby	2
Mike Reynolds Field Officer	3G measurements	Andrew Cox	1
Andrew Cox T.I. Officer	2G measurements & 2G Report	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 Mitchell's (Gloucester) Ltd on the 3rd August 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 Quotient Exposure	2G Quotient Exposure	TOTAL Exp. Quot. 3G + 2G	Related to ICNIRP limit
[1] Corner of yard by lockups	6.08E-05	6.83E-06	6.76E-05	1/14794
[4] Corner of yard by Enquiries	4.11E-05	1.22E-06	4.23E-05	1/23639
[6] Accounts store	3.58E-05	2.22E-06	3.8E-05	1/26315
[2] Outside air con office	2.01E-05	3.09E-06	2.321E-05	1/43082
[5] Price Street	1.06E-05	5.19E-06	1.575E-05	1/63493
[3] Inside air con office	2.48E-06	9.13E-07	3.388E-06	1/295118

2G Quotient Exposure values are annexed to this report

The Bristol 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 in the vehicle yard to ascertain the extent of 3G activity. Only one carrier associated with this base station site was detected.

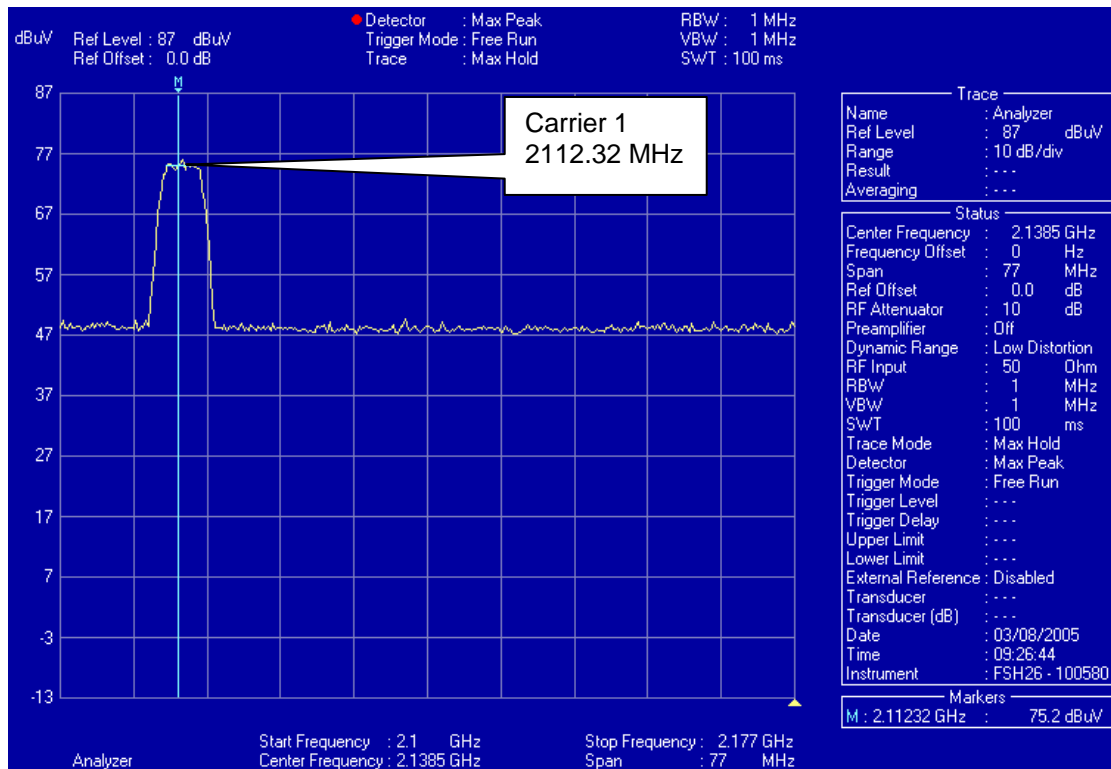


Figure 1

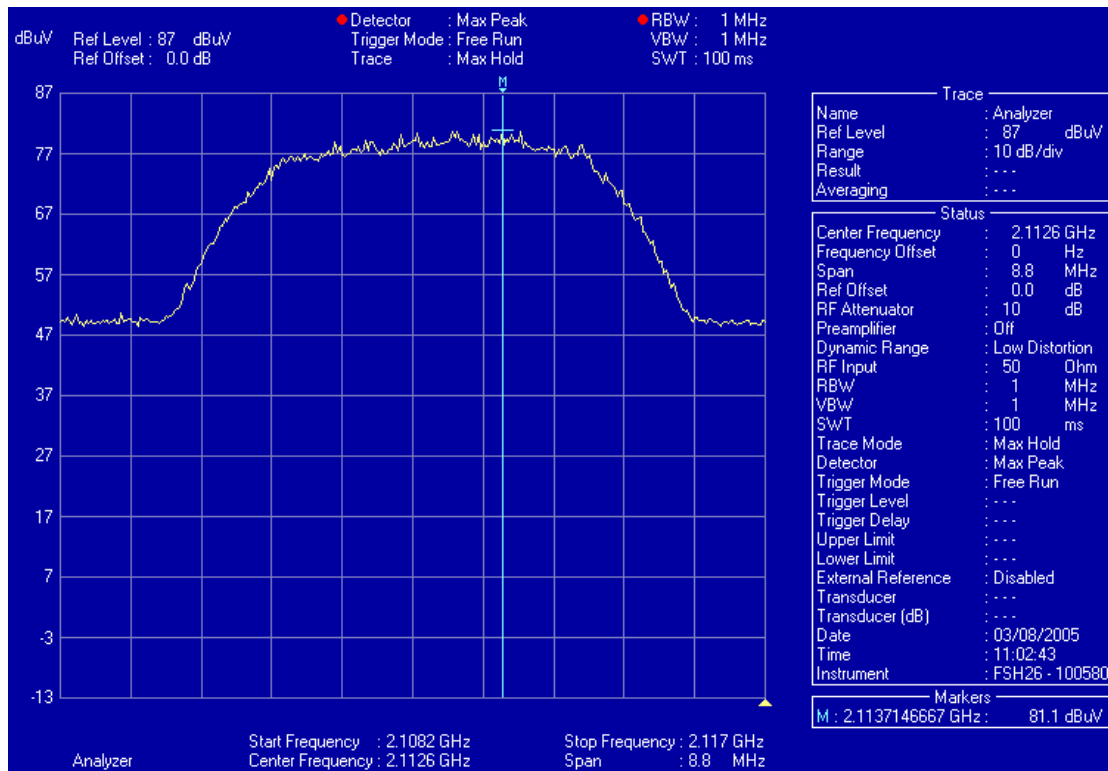
Figure 1 shows the whole band activity. Carrier 1 was active at this site. At each measurement location the measuring antenna was then set up on a tripod 1.5m above ground or floor level. In this position and the carrier's field strength was recorded.

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

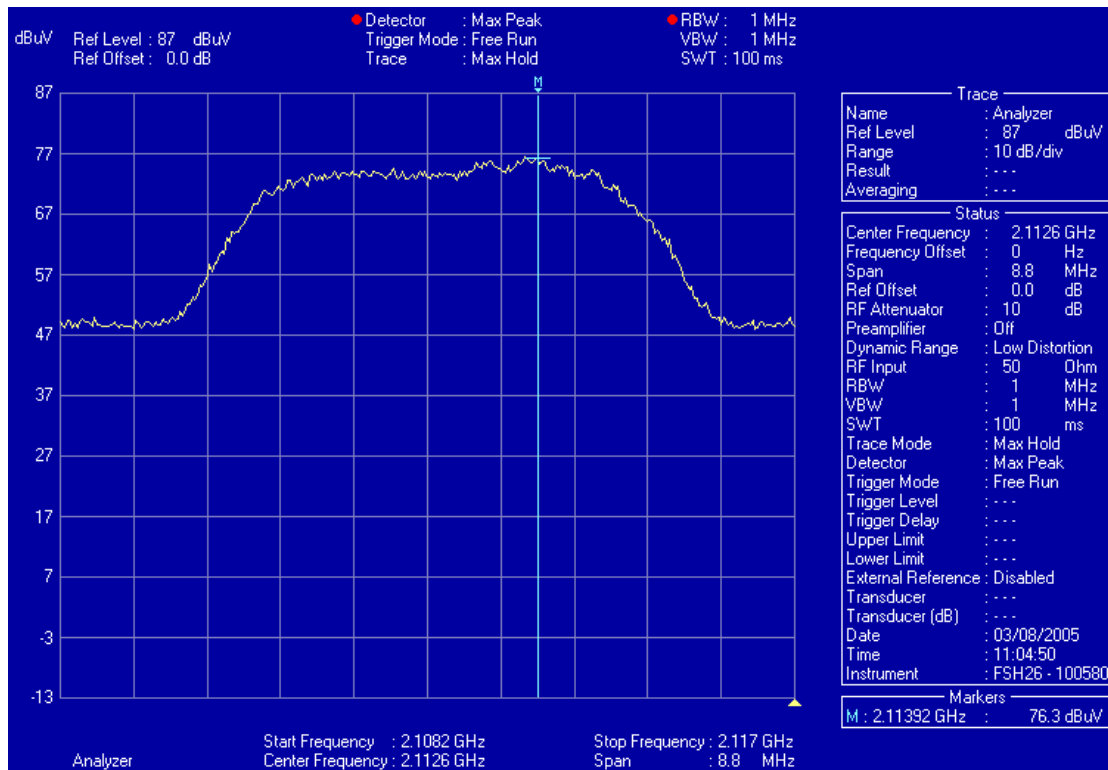
All the 3G measurement data is given on page 5 together with the Total Band Exposure values, while the 2G data is contained in the annex to this report.

Equipment: Rohde & Schwarz FSH6 Spectrum Analyser serial number: 100580 CEMS number: 200103
 EMCO DRG 3115 horn Antenna 2153 200005
 Garmin GPS75 receiver 37524369 200011
 Reynolds 12 metre cable type 219-0088 0201 067

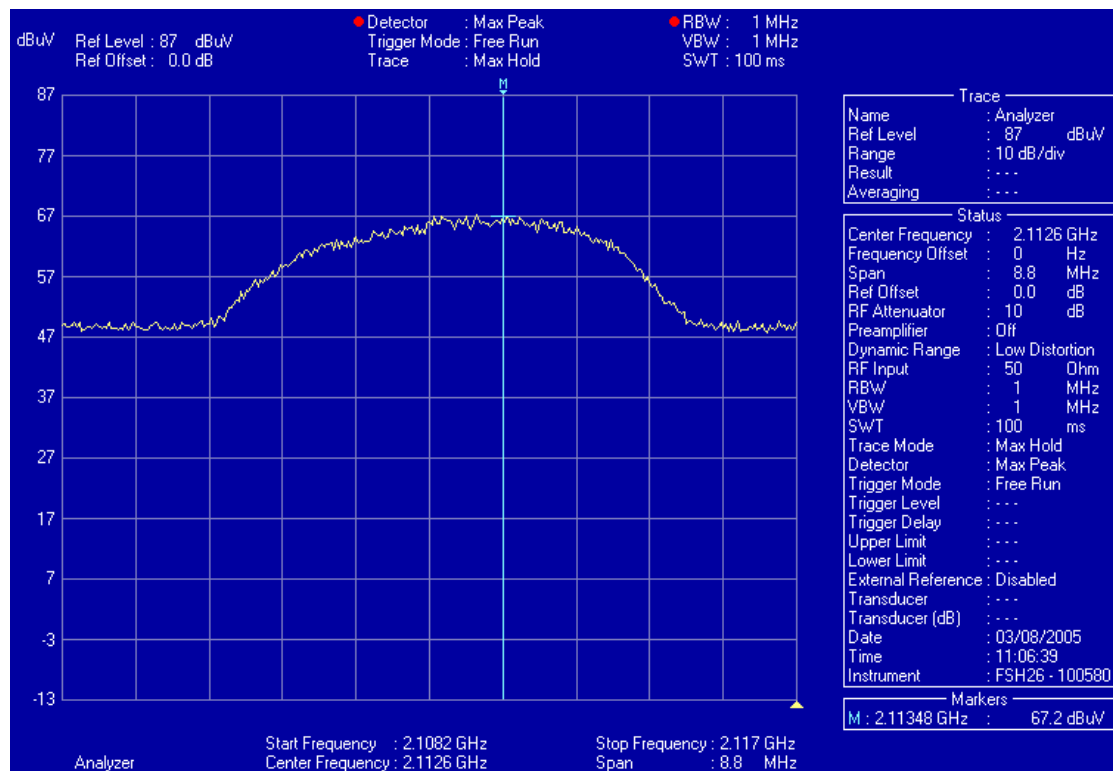
Location	Frequency	Fieldstrength	Fieldstrength	Fieldstrength	Power	Power	ICNIRP	3G	3G	2G	TOTAL	Related to
	MHz	dBuV/m	uV/m	V/m	W/m ²	W/m ²	W/m ²	Exposure Quotient	Exposure Quotient	Exposure Quotient	3G + 2G Exp. Quot.	ICNIRP limit
[1] Corner of yard by lockups	2113.7	113.6	478,630.1	0.478630	0.0006076570	0.0006077	10	0.000060765700	6.08E-05	6.83E-06	6.76E-05	1/14794
[2] Outside air con office	2113.9	108.8	275,422.9	0.275423	0.0002012144	0.0002012	10	0.000020121440	2.01E-05	3.09E-06	2.32E-05	1/43082
[3] Inside air con office	2113.5	99.7	96,605.1	0.096605	0.0000247547	2.475E-05	10	0.000002475470	2.48E-06	9.13E-07	3.39E-06	1/295118
[4] Corner of yard by Enquiries	2112.6	111.9	393,550.1	0.393550	0.0004108265	0.0004108	10	0.000041082650	4.11E-05	1.22E-06	4.23E-05	1/23639
[5] Price Street	2112	106	199,526.2	0.199526	0.0001055985	0.0001056	10	0.000010559850	1.06E-05	5.19E-06	1.57E-05	1/63493
[6] Accounts store	2113.1	111.3	367,282.3	0.367282	0.0003578145	0.0003578	10	0.000035781450	3.58E-05	2.22E-06	3.80E-05	1/26315



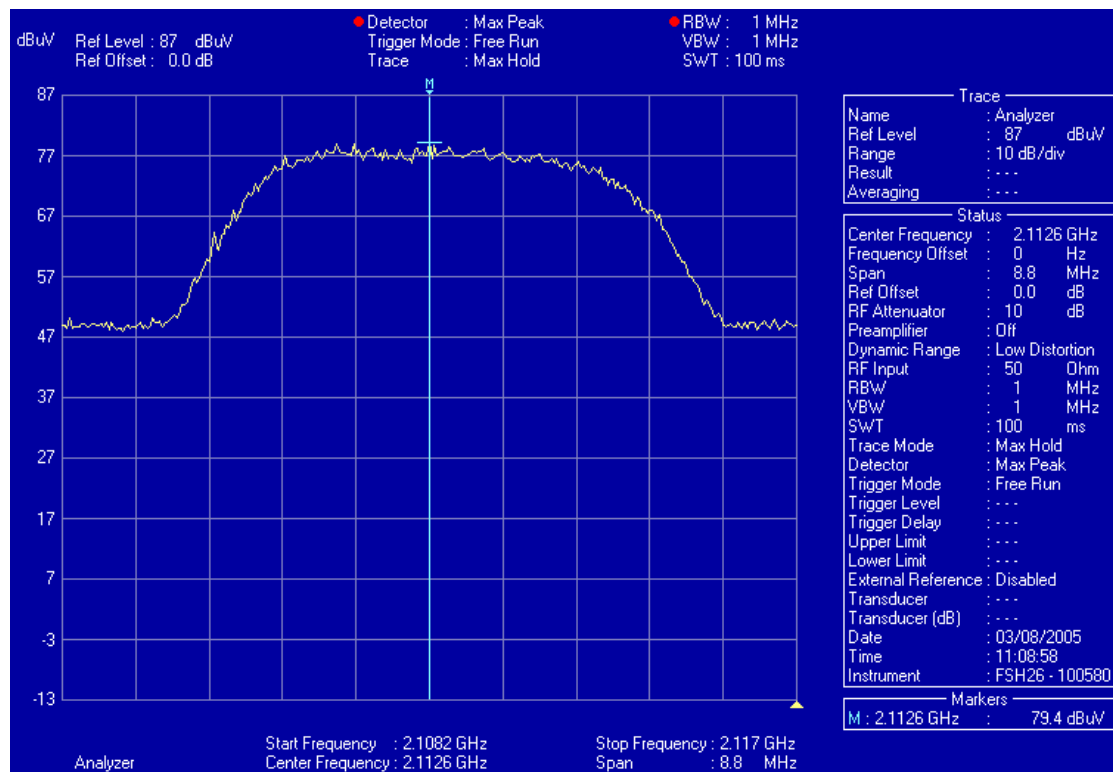
Location 1: Corner of yard by lockups



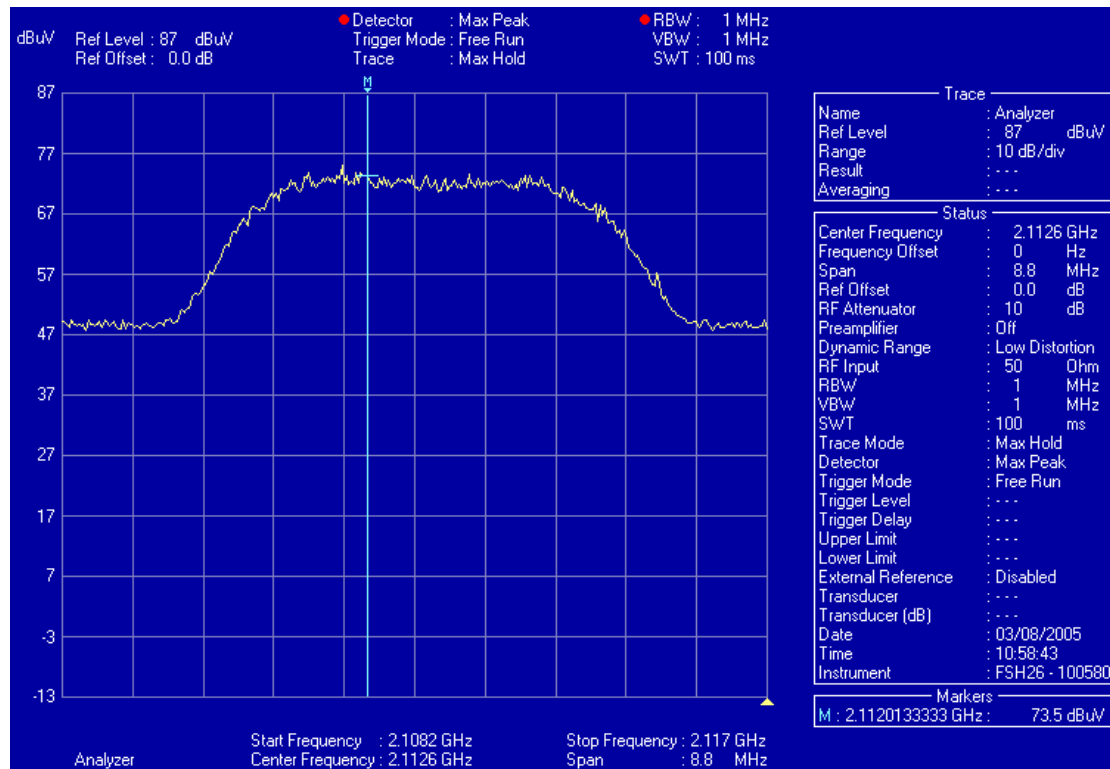
Location 2: Outside air con. Office



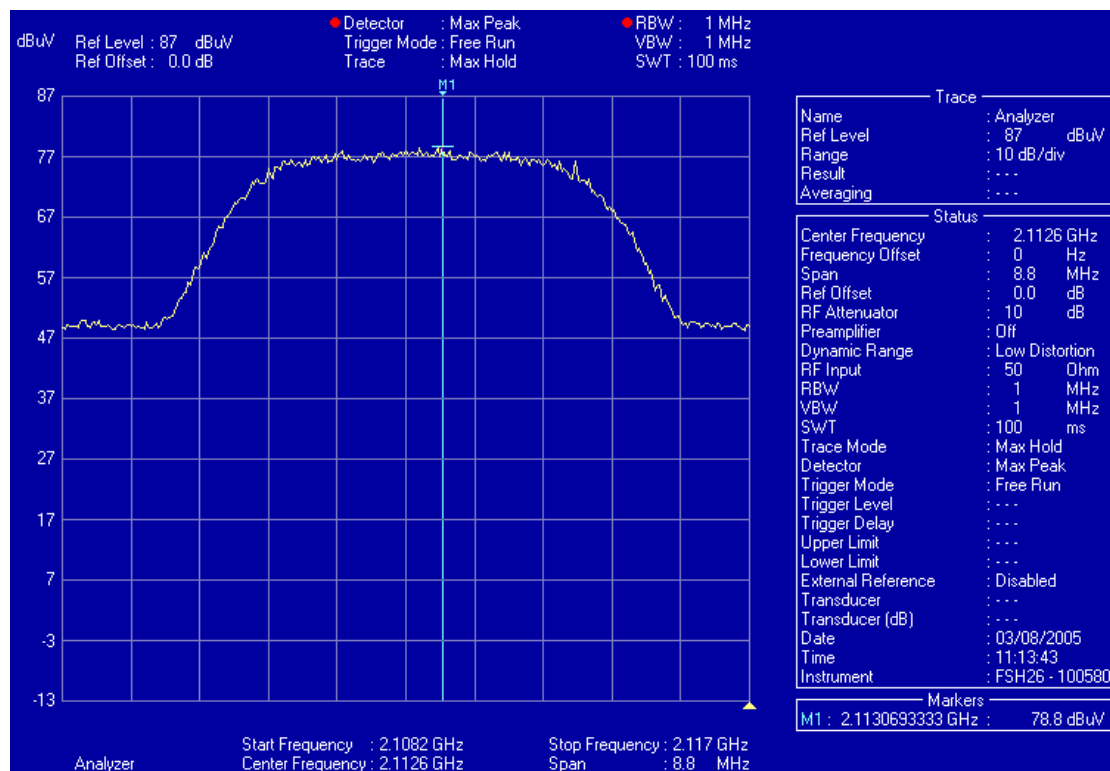
Location 3: Inside air con. Office



Location 4: Corner of yard by Enquiries



Location 5: Price Street



Location 6: Accounts Store

Annex

2G Mobile Phone Base-Station Audit

Mobile Phone Base-Station Audit

Audit site: Mitchell's (Gloucester) Ltd
88 Bristol Road
Gloucester
GL1 5XA

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, Ofcom 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 Mitchell's (Gloucester) Ltd on 3 August 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
Corner of yard by lockups	6.83E-06	1/146469
Price Street	5.19E-06	1/192692
Outside Air Con office	3.09E-06	1/323509
Accounts Store	2.22E-06	1/450903
Corner of yard by enquiries	1.22E-06	1/820959
Inside Air Con Office	9.13E-07	1/1095125

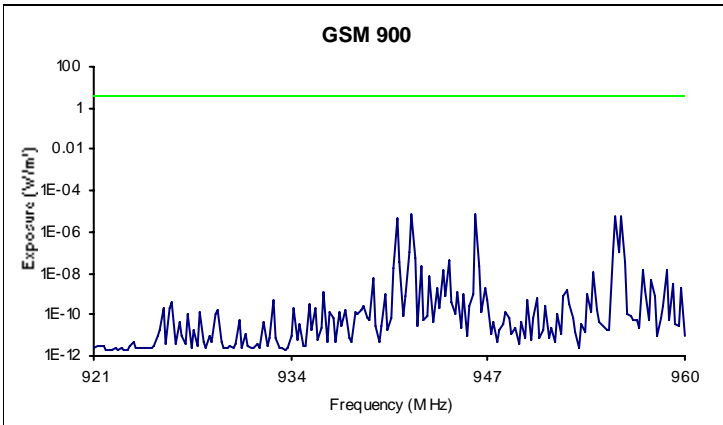
Issued on behalf of Ofcom.

Issued by:

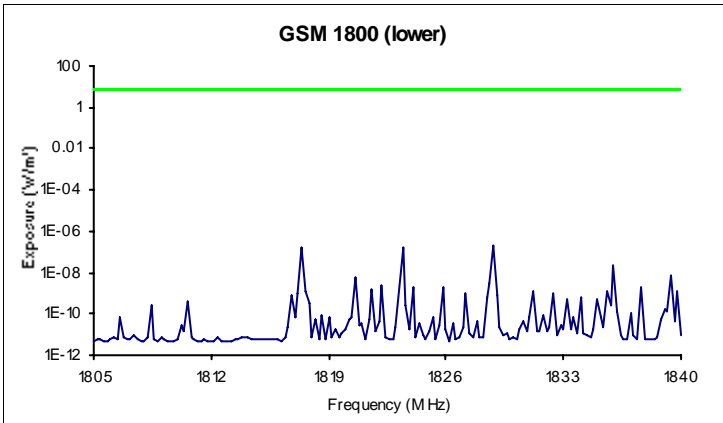
Received by:

Andy Cox
Technical Investigation Officer

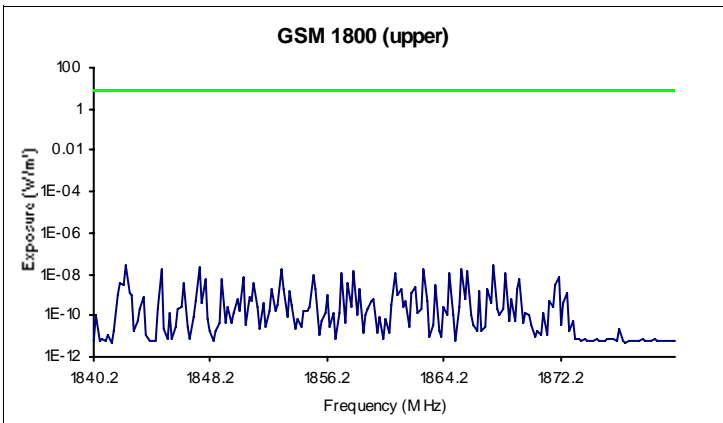
Site: Mitchell's (Gloucester) Ltd	Receiver:
Location: Corner of yard by lockups	Manufacturer: ROHDE&SCHWARZ
NGR: SO 8260 1745 Taken from GPS	Model: EB200
Start Time: 03 August 2005 9:48:18	Serial Number: 838.681/045
Officer: Andy Cox	Antenna:
	Manufacturer: Rohde & Schwarz
	Model: HE200
	Serial Number: 839891/005



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
942.000	7.87E-06	4.71	1.67E-06
946.200	7.25E-06	4.73	1.53E-06
955.800	5.89E-06	4.78	1.23E-06
955.400	5.49E-06	4.78	1.15E-06
941.000	4.73E-06	4.71	1.01E-06
955.600	1.10E-07	4.78	2.29E-08
941.800	1.04E-07	4.71	2.20E-08
955.200	1.02E-07	4.78	2.14E-08
942.200	5.45E-08	4.71	1.16E-08
944.400	4.06E-08	4.72	8.60E-09
Band Exposure Quotient:			6.72E-06



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,828.800	2.27E-07	9.14	2.48E-08
1,823.400	1.70E-07	9.12	1.87E-08
1,817.400	1.57E-07	9.09	1.73E-08
1,836.000	2.46E-08	9.18	2.68E-09
1,839.400	6.98E-09	9.20	7.58E-10
1,820.600	5.49E-09	9.10	6.03E-10
1,828.600	2.79E-09	9.14	3.05E-10
1,822.200	2.63E-09	9.11	2.89E-10
1,837.600	1.96E-09	9.19	2.13E-10
1,825.800	1.83E-09	9.13	2.01E-10
Band Exposure Quotient:			6.82E-08

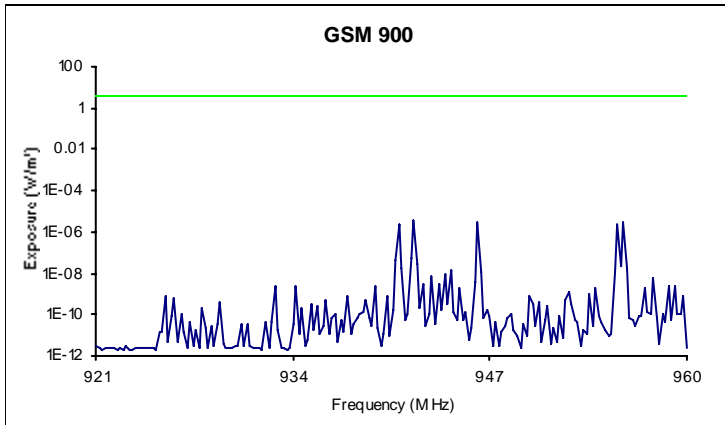


Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,867.600	2.66E-08	9.34	2.85E-09
1,842.400	2.60E-08	9.21	2.83E-09
1,847.400	2.09E-08	9.24	2.26E-09
1,865.400	1.92E-08	9.33	2.06E-09
1,853.000	1.79E-08	9.27	1.94E-09
1,862.800	1.78E-08	9.31	1.91E-09
1,844.800	1.69E-08	9.22	1.83E-09
1,865.800	1.49E-08	9.33	1.60E-09
1,858.000	1.44E-08	9.29	1.55E-09
1,857.200	1.19E-08	9.29	1.29E-09
Band Exposure Quotient:			3.54E-08

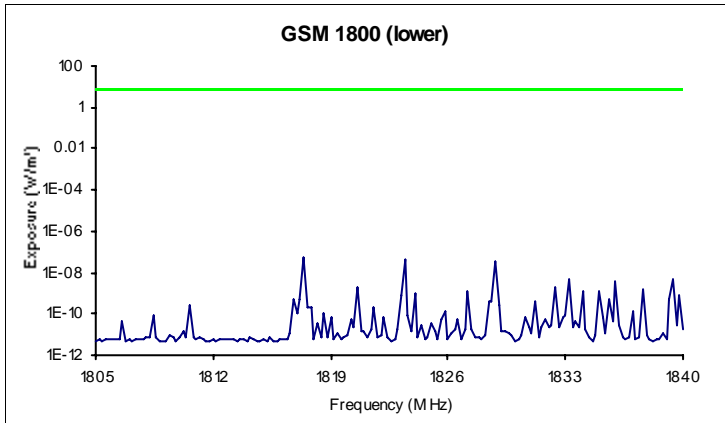
Total number of measurements: 572

Total Band Exposure Quotient: **6.83E-06**

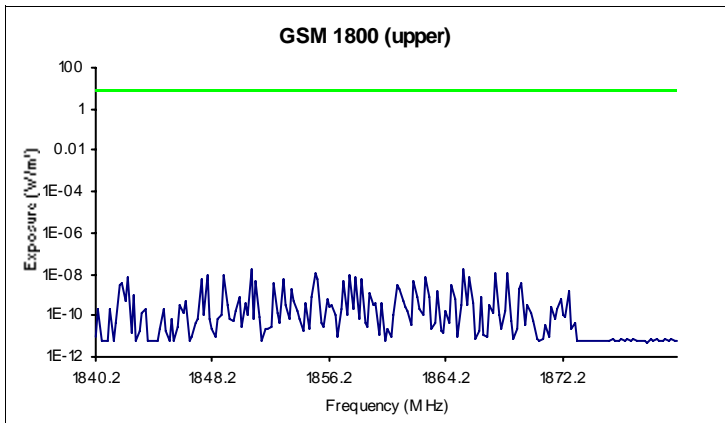
Site: Mitchell's (Gloucester) Ltd	Receiver:
Location: Outside Air Con office	Manufacturer: ROHDE&SCHWARZ
NGR: SO 8261 1743 Taken from GPS	Model: EB200
Start Time: 03 August 2005 10:04:13	Serial Number: 838.681/045
Officer: Andy Cox	Antenna:
	Manufacturer: Rohde & Schwarz
	Model: HE200
	Serial Number: 839891/005



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
942.000	3.60E-06	4.71	7.64E-07
946.200	3.16E-06	4.73	6.69E-07
955.800	2.75E-06	4.78	5.76E-07
955.400	2.40E-06	4.78	5.01E-07
941.000	2.26E-06	4.71	4.81E-07
941.800	5.32E-08	4.71	1.13E-08
940.800	4.03E-08	4.70	8.56E-09
942.200	2.55E-08	4.71	5.41E-09
955.600	2.09E-08	4.78	4.37E-09
941.200	1.76E-08	4.71	3.74E-09
Band Exposure Quotient:			3.05E-06



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,817.400	5.21E-08	9.09	5.74E-09
1,823.400	4.80E-08	9.12	5.27E-09
1,828.800	3.43E-08	9.14	3.75E-09
1,833.200	4.67E-09	9.17	5.09E-10
1,839.400	4.40E-09	9.20	4.79E-10
1,836.000	3.56E-09	9.18	3.87E-10
1,820.600	2.09E-09	9.10	2.29E-10
1,832.400	1.85E-09	9.16	2.02E-10
1,837.600	1.56E-09	9.19	1.69E-10
1,834.000	1.32E-09	9.17	1.44E-10
Band Exposure Quotient:			1.82E-08

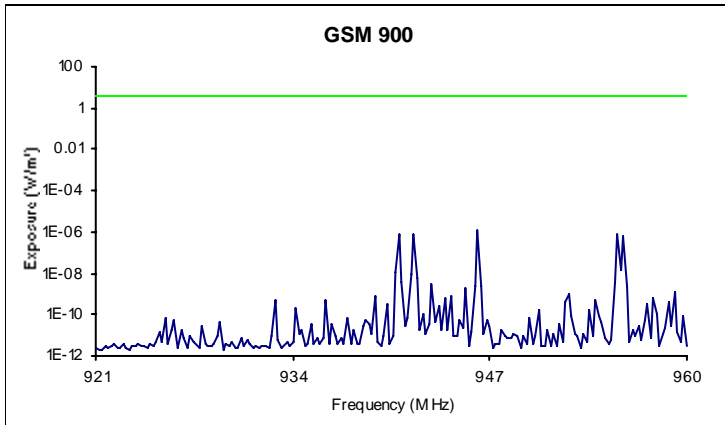


Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,865.400	1.88E-08	9.33	2.01E-09
1,850.800	1.71E-08	9.25	1.84E-09
1,868.400	1.11E-08	9.34	1.19E-09
1,855.200	1.06E-08	9.28	1.14E-09
1,867.600	1.06E-08	9.34	1.13E-09
1,849.000	9.35E-09	9.24	1.01E-09
1,857.600	8.86E-09	9.29	9.53E-10
1,847.800	8.51E-09	9.24	9.21E-10
1,842.400	7.69E-09	9.21	8.35E-10
1,858.000	7.72E-09	9.29	8.31E-10
Band Exposure Quotient:			2.28E-08

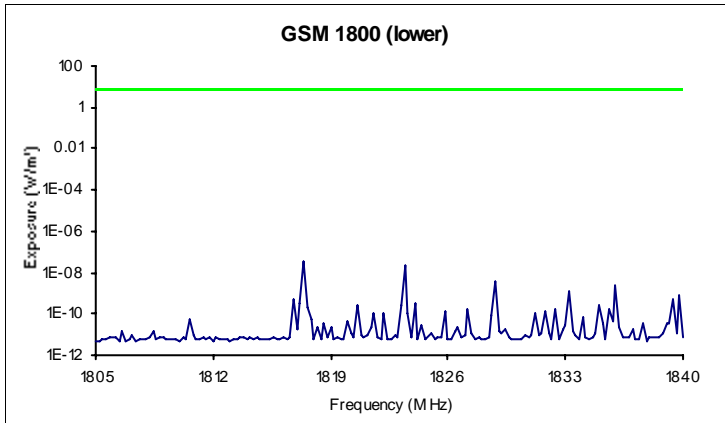
Total number of measurements: 572

Total Band Exposure Quotient: **3.09E-06**

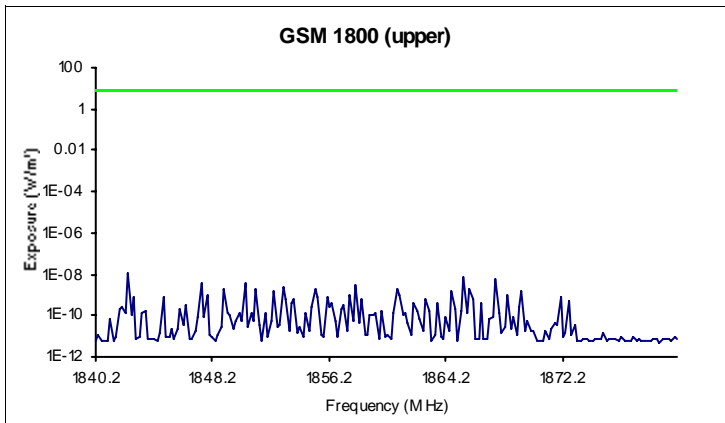
Site: Mitchell's (Gloucester) Ltd	Receiver:
Location: Inside Air Con Office	Manufacturer: ROHDE&SCHWARZ
NGR: SO 8261 1743 Taken from GPS	Model: EB200
Start Time: 03 August 2005 10:18:14	Serial Number: 838.681/045
Officer: Andy Cox	Antenna:
	Manufacturer: Rohde & Schwarz
	Model: HE200
	Serial Number: 839891/005



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
946.200	1.18E-06	4.73	2.48E-07
942.000	8.43E-07	4.71	1.79E-07
941.000	7.85E-07	4.71	1.67E-07
955.400	7.58E-07	4.78	1.59E-07
955.800	6.16E-07	4.78	1.29E-07
955.600	1.48E-08	4.78	3.09E-09
940.800	1.22E-08	4.70	2.58E-09
941.800	8.24E-09	4.71	1.75E-09
942.200	6.25E-09	4.71	1.33E-09
955.200	3.97E-09	4.78	8.32E-10
Band Exposure Quotient:			8.97E-07



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,817.400	3.52E-08	9.09	3.88E-09
1,823.400	2.46E-08	9.12	2.70E-09
1,828.800	4.13E-09	9.14	4.51E-10
1,836.000	2.30E-09	9.18	2.50E-10
1,833.200	1.28E-09	9.17	1.40E-10
1,839.800	8.39E-10	9.20	9.12E-11
1,839.400	5.54E-10	9.20	6.02E-11
1,816.800	4.86E-10	9.08	5.35E-11
1,824.000	3.40E-10	9.12	3.73E-11
1,817.200	3.36E-10	9.09	3.70E-11
Band Exposure Quotient:			8.13E-09

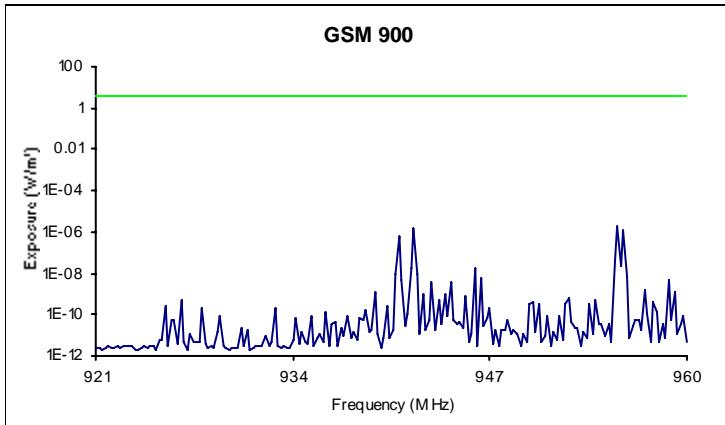


Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,842.400	1.11E-08	9.21	1.21E-09
1,865.400	7.30E-09	9.33	7.82E-10
1,867.600	5.68E-09	9.34	6.09E-10
1,847.400	4.07E-09	9.24	4.41E-10
1,850.400	3.56E-09	9.25	3.85E-10
1,858.000	2.80E-09	9.29	3.02E-10
1,853.000	2.53E-09	9.27	2.73E-10
1,851.200	2.10E-09	9.26	2.27E-10
1,865.800	2.11E-09	9.33	2.26E-10
1,855.200	1.97E-09	9.28	2.13E-10
Band Exposure Quotient:			7.84E-09

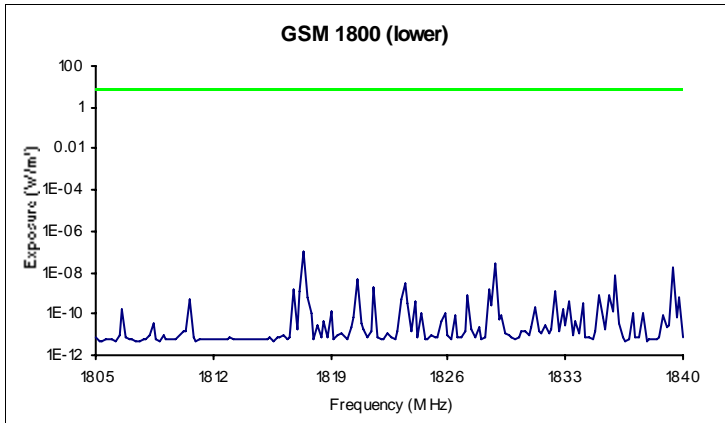
Total number of measurements: 572

Total Band Exposure Quotient: **9.13E-07**

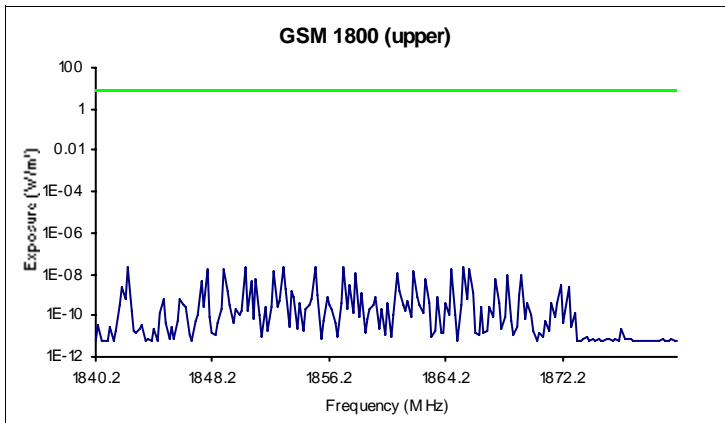
Site: Mitchell's (Gloucester) Ltd	Receiver:
Location: Corner of yard by enquiries	Manufacturer: ROHDE&SCHWARZ
NGR: SO 8262 1740 Taken from GPS	Model: EB200
Start Time: 03 August 2005 10:32:28	Serial Number: 838.681/045
Officer: Andy Cox	Antenna:
	Manufacturer: Rohde & Schwarz
	Model: HE200
	Serial Number: 839891/005



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
955.400	1.90E-06	4.78	3.98E-07
942.000	1.47E-06	4.71	3.11E-07
955.800	1.32E-06	4.78	2.76E-07
941.000	6.68E-07	4.71	1.42E-07
955.200	3.97E-08	4.78	8.32E-09
955.600	2.09E-08	4.78	4.37E-09
941.800	1.89E-08	4.71	4.01E-09
946.000	1.86E-08	4.73	3.94E-09
942.200	9.25E-09	4.71	1.96E-09
940.800	8.81E-09	4.70	1.87E-09
Band Exposure Quotient:			1.16E-06



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,817.400	1.06E-07	9.09	1.17E-08
1,828.800	2.79E-08	9.14	3.05E-09
1,839.400	1.64E-08	9.20	1.78E-09
1,836.000	6.78E-09	9.18	7.38E-10
1,820.600	5.12E-09	9.10	5.63E-10
1,823.400	3.03E-09	9.12	3.32E-10
1,821.600	1.82E-09	9.11	2.00E-10
1,816.800	1.47E-09	9.08	1.62E-10
1,828.400	1.40E-09	9.14	1.53E-10
1,832.400	1.20E-09	9.16	1.31E-10
Band Exposure Quotient:			2.00E-08

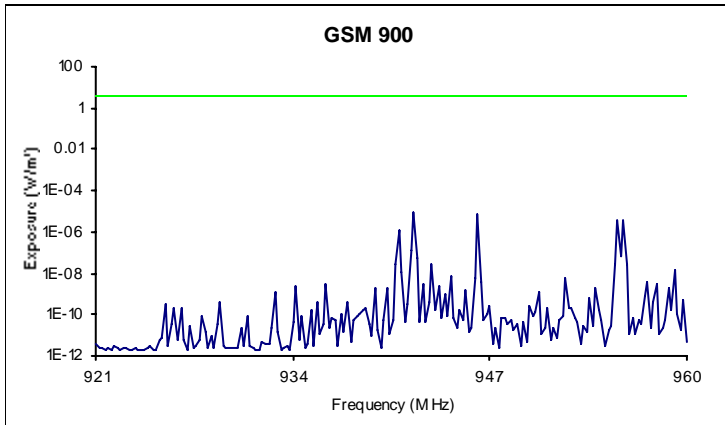


Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,857.200	2.38E-08	9.29	2.56E-09
1,853.000	2.31E-08	9.27	2.49E-09
1,850.400	2.30E-08	9.25	2.49E-09
1,842.400	2.17E-08	9.21	2.35E-09
1,855.200	2.02E-08	9.28	2.18E-09
1,865.400	2.01E-08	9.33	2.15E-09
1,847.800	1.95E-08	9.24	2.11E-09
1,865.800	1.79E-08	9.33	1.92E-09
1,849.000	1.70E-08	9.24	1.84E-09
1,864.600	1.59E-08	9.32	1.71E-09
Band Exposure Quotient:			3.70E-08

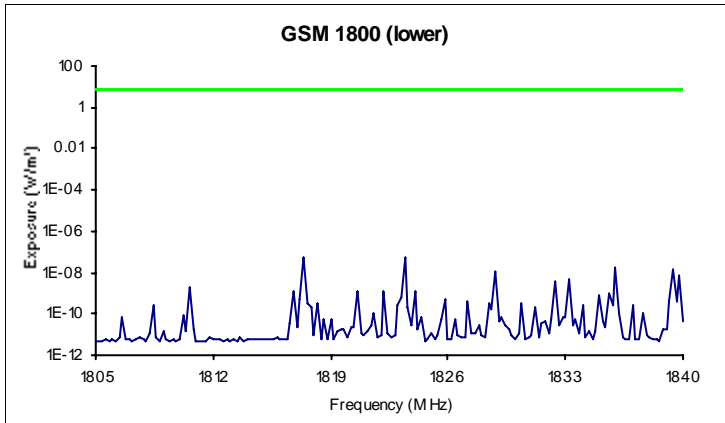
Total number of measurements: 572

Total Band Exposure Quotient: **1.22E-06**

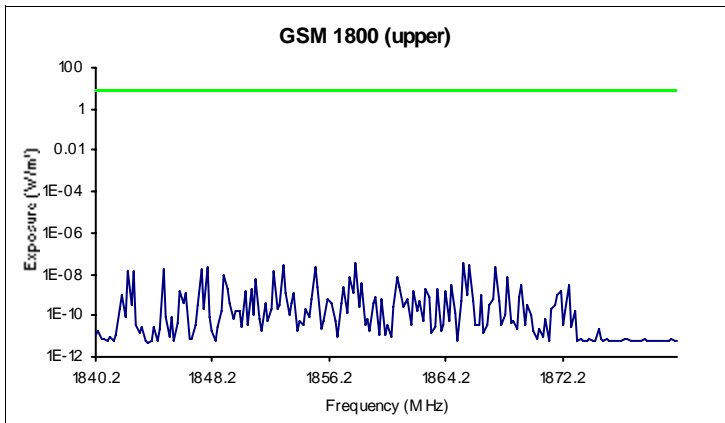
Site: Mitchell's (Gloucester) Ltd	Receiver:
Location: Price Street	Manufacturer: ROHDE&SCHWARZ
NGR: SO 8262 1739	Model: EB200
Start Time: 04 August 2005 12:28:47	Serial Number: 838.681/045
Officer: Andy Cox	Antenna:
	Manufacturer: Rohde & Schwarz
	Model: HE200
	Serial Number: 839891/005



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
942.000	8.24E-06	4.71	1.75E-06
946.200	6.92E-06	4.73	1.46E-06
955.800	3.80E-06	4.78	7.95E-07
955.400	3.80E-06	4.78	7.95E-07
941.000	1.08E-06	4.71	2.30E-07
941.800	1.34E-07	4.71	2.84E-08
955.600	6.75E-08	4.78	1.41E-08
942.200	5.84E-08	4.71	1.24E-08
940.800	2.85E-08	4.70	6.06E-09
955.200	2.75E-08	4.78	5.76E-09
Band Exposure Quotient:			5.13E-06



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,823.400	5.39E-08	9.12	5.91E-09
1,817.400	4.98E-08	9.09	5.48E-09
1,836.000	1.91E-08	9.18	2.08E-09
1,839.400	1.49E-08	9.20	1.62E-09
1,828.800	1.14E-08	9.14	1.24E-09
1,839.800	7.48E-09	9.20	8.13E-10
1,833.200	5.00E-09	9.17	5.45E-10
1,832.400	3.62E-09	9.16	3.95E-10
1,810.600	1.79E-09	9.05	1.97E-10
1,822.200	1.26E-09	9.11	1.38E-10
Band Exposure Quotient:			2.00E-08

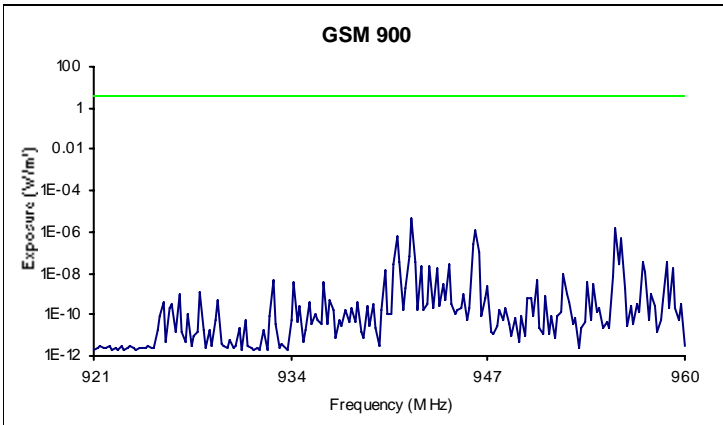


Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,865.400	3.66E-08	9.33	3.92E-09
1,858.000	3.53E-08	9.29	3.80E-09
1,865.800	2.71E-08	9.33	2.91E-09
1,853.000	2.48E-08	9.27	2.67E-09
1,855.200	2.37E-08	9.28	2.56E-09
1,867.600	2.16E-08	9.34	2.31E-09
1,847.800	1.99E-08	9.24	2.16E-09
1,847.400	1.90E-08	9.24	2.06E-09
1,844.800	1.81E-08	9.22	1.96E-09
1,852.400	1.39E-08	9.26	1.50E-09
Band Exposure Quotient:			3.96E-08

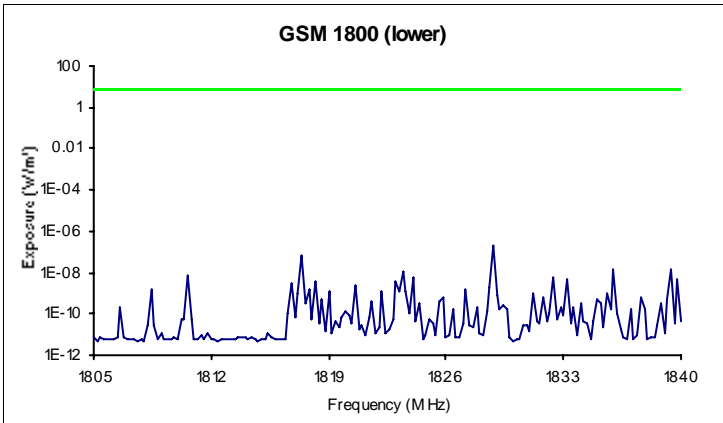
Total number of measurements: 572

Total Band Exposure Quotient: **5.19E-06**

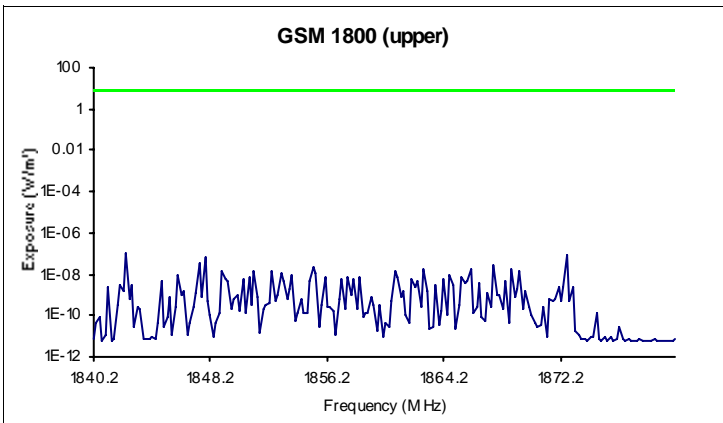
Site: Mitchell's (Gloucester) Ltd	Receiver:
Location: Accounts Store	Manufacturer: ROHDE&SCHWARZ
NGR: SO 8264 1742 Taken from GPS	Model: EB200
Start Time: 04 August 2005 12:50:52	Serial Number: 838.681/045
Officer: Andy Cox	Antenna:
	Manufacturer: Rohde & Schwarz
	Model: HE200
	Serial Number: 839891/005



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
942.000	5.08E-06	4.71	1.08E-06
955.400	1.51E-06	4.78	3.16E-07
946.200	1.35E-06	4.73	2.85E-07
941.000	6.84E-07	4.71	1.45E-07
955.800	4.90E-07	4.78	1.02E-07
946.000	2.57E-07	4.73	5.43E-08
946.400	9.56E-08	4.73	2.02E-08
941.800	7.34E-08	4.71	1.56E-08
958.800	3.74E-08	4.79	7.80E-09
957.200	3.48E-08	4.79	7.26E-09
Band Exposure Quotient:			2.10E-06



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,828.800	1.93E-07	9.14	2.11E-08
1,817.400	7.36E-08	9.09	8.10E-09
1,836.000	1.52E-08	9.18	1.65E-09
1,839.400	1.27E-08	9.20	1.38E-09
1,823.400	1.21E-08	9.12	1.32E-09
1,810.600	6.95E-09	9.05	7.68E-10
1,824.000	6.34E-09	9.12	6.95E-10
1,832.400	6.14E-09	9.16	6.70E-10
1,839.800	5.06E-09	9.20	5.50E-10
1,833.200	5.00E-09	9.17	5.45E-10
Band Exposure Quotient:			4.11E-08



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,842.400	1.14E-07	9.21	1.23E-08
1,872.600	7.56E-08	9.36	8.07E-09
1,847.800	7.24E-08	9.24	7.84E-09
1,847.400	3.71E-08	9.24	4.02E-09
1,867.600	2.85E-08	9.34	3.05E-09
1,855.200	2.07E-08	9.28	2.23E-09
1,866.000	1.92E-08	9.33	2.06E-09
1,862.800	1.78E-08	9.31	1.91E-09
1,868.800	1.76E-08	9.34	1.88E-09
1,852.400	1.53E-08	9.26	1.65E-09
Band Exposure Quotient:			7.68E-08

Total number of measurements: 572

Total Band Exposure Quotient: **2.22E-06**

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/m^2)
- 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^2)
- 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