

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



Mobile Phone
Base-Station Audit

Audit Site: Frinton on Sea Primary School
Fifth Avenue
Frinton on Sea
Essex
CO13 9LQ

Work Performed by		Distribution List	
James Loughlin Field Manager	3G measurements & Report	Lloyd Tailby	1
Mike Reynolds Field Officer	3G measurements	Anne Burbidge	1
William White T.I. Officer	2G measurements & 2G Report	W White	1
		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 Frinton on Sea Primary School, Frinton on the 21st July 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	* 2G Band Exposure	3G Band Exposure	Total Band Exposure	Relationship to ICNIRP Limit
Hall Patio	3.04E-05	2.42E-05	5.46E-05	1/18318
Main Hall	1.87E-06	2.36E-06	4.23E-06	1/236180
Sports Field	1.08E-06	2.26E-06	3.34E-06	1/299612
Main Playground	1.47E-06	1.16E-06	2.63E-06	1/380539
Class 5	9.37E-07	3.83E-07	1.32E-06	1/757341
Class 3 & 4 Patio	3.59E-07	no signal	3.59E-07	1/2785515

* Annex to this report

The Cheshunt 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 at the Hall Patio to ascertain the extent of 3G activity. Only one carrier associated with this base station site was detected.

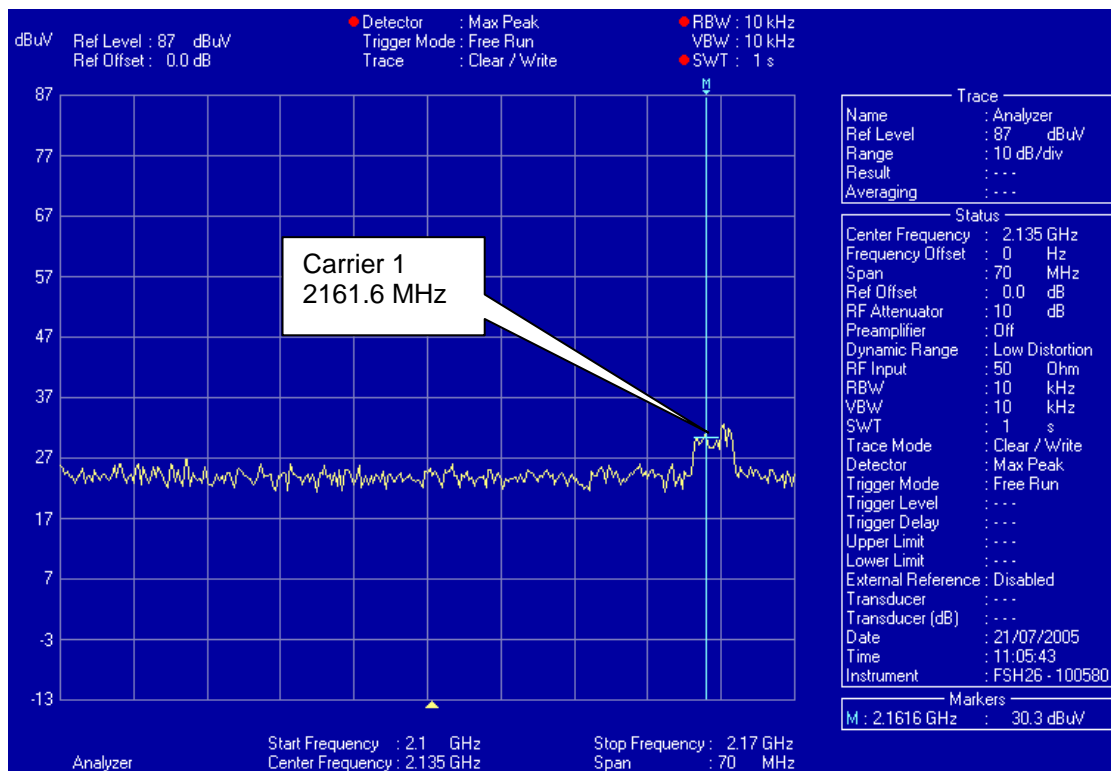


Figure 1

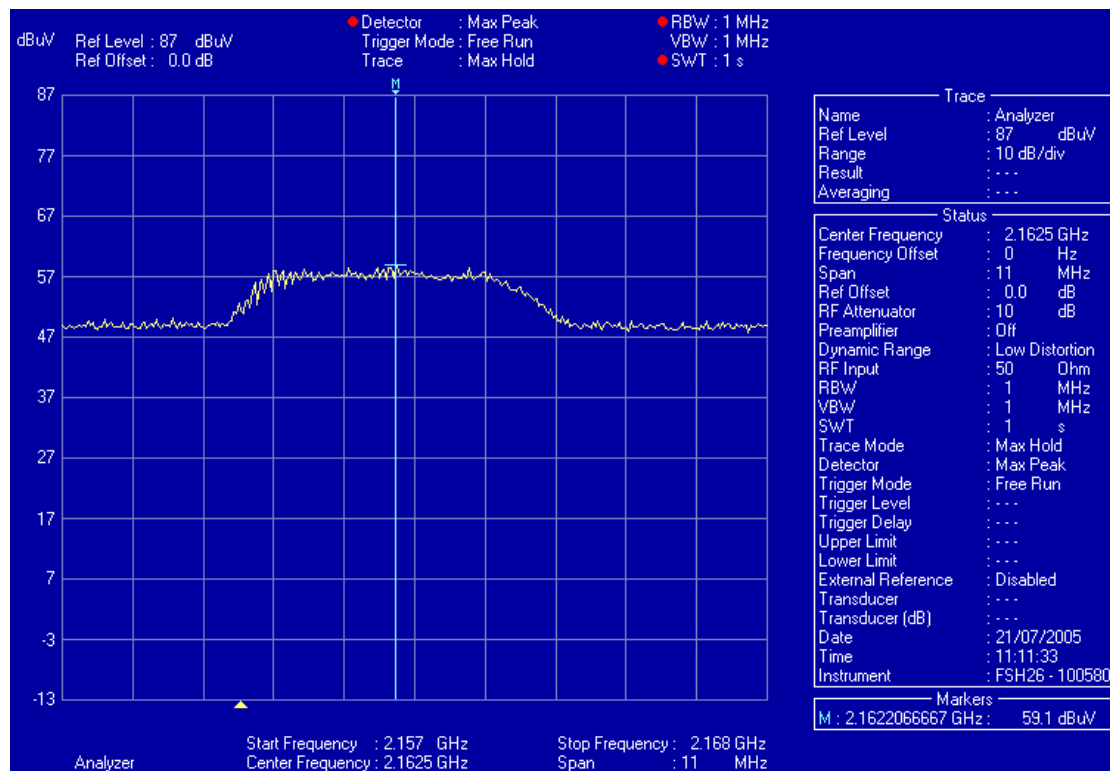
Figure 1 shows the whole band activity. Carrier 1 was active at this site. At each measurement location the measuring antenna was then set up on a tripod 1.5m above ground or floor level. In this position and the carrier's field strength was recorded.

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.

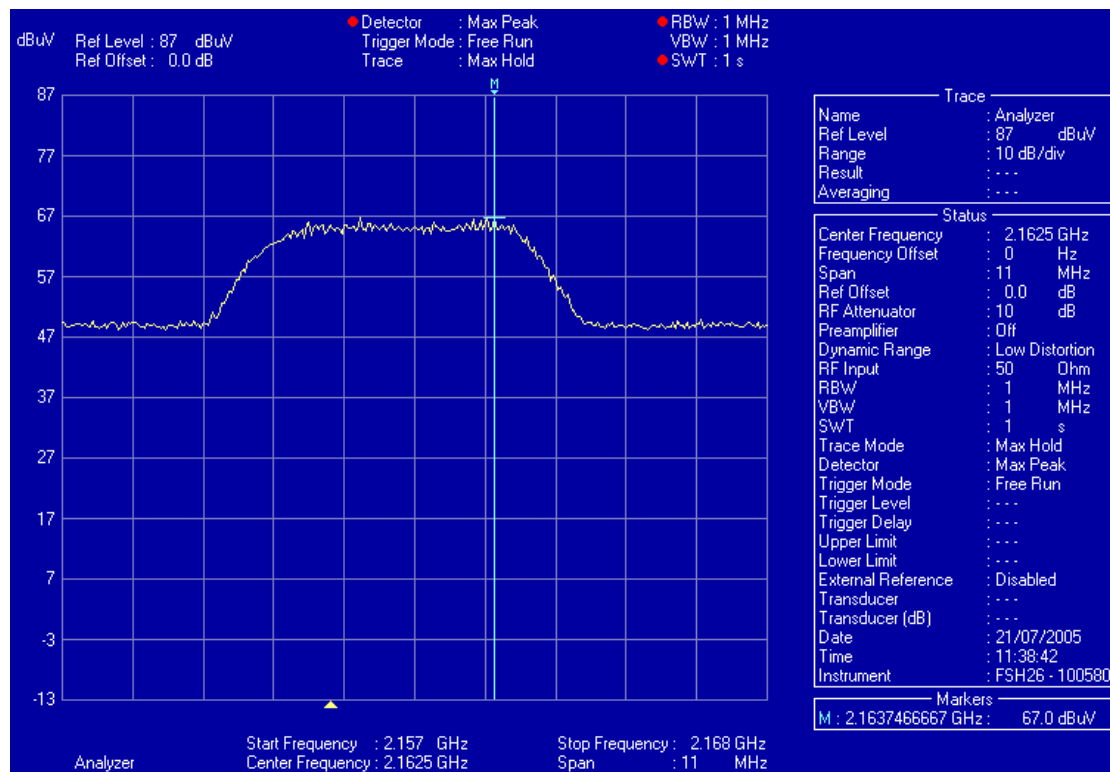
All the 3G measurement data is given on page 5, while the 2G data is contained in the annex to this report.

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

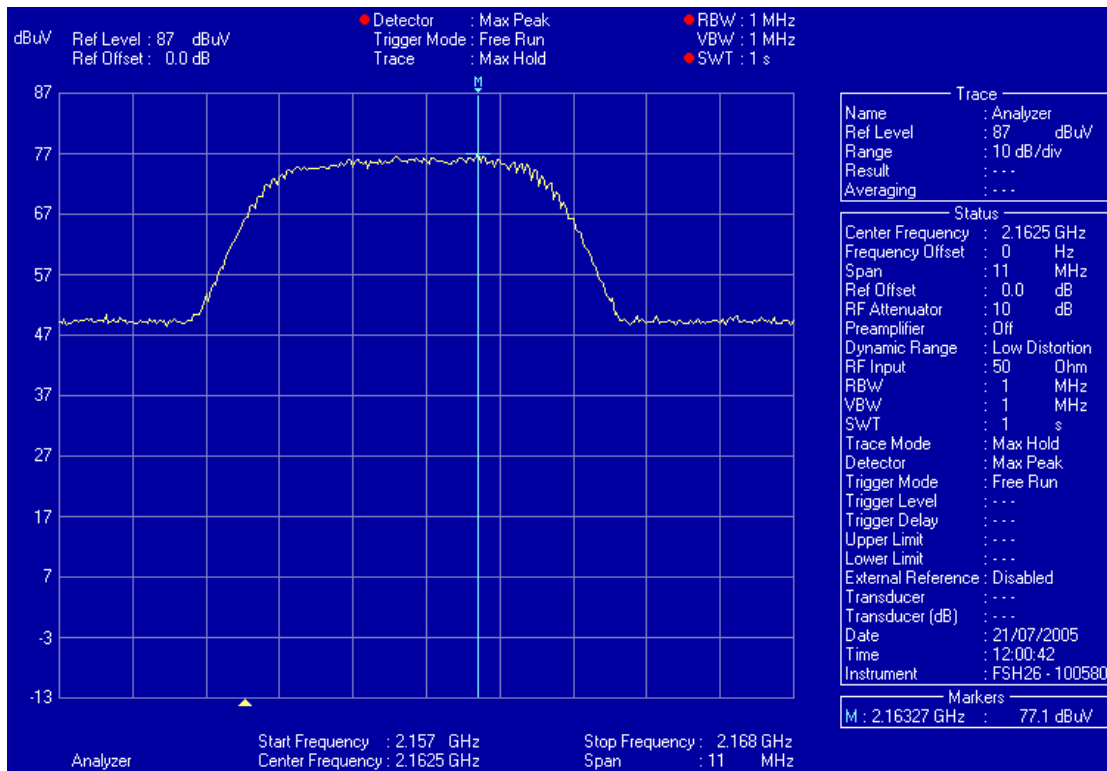
Location	Frequency	Fieldstrength	Fieldstrength	Fieldstrength	Power	Power	ICNIRP	3G	3G	2G	TOTAL	Related to
	MHz	dBuV/m	uV/m	V/m	W/m ²	W/m ²	W/m ²	Exposure Quotient	Exposure Quotient	Exposure Quotient	3G + 2G Exp. Quot.	ICNIRP limit
Class 5	2162.2067	91.6	38,018.9	0.038019	0.0000038341	3.834E-06	10	0.000000383410	3.83E-07	9.37E-07	1.32E-06	1/757341
Main Hall	2163.747	99.5	94,406.1	0.094406	0.0000236406	2.364E-05	10	0.000002364060	2.36E-06	1.87E-06	4.23E-06	1/236180
Hall Patio	2163.27	109.6	301,995.2	0.301995	0.0002419124	0.0002419	10	0.000024191240	2.42E-05	3.04E-05	5.46E-05	1/18318
Main Playground	2161.95	96.4	66,069.3	0.066069	0.0000115785	1.158E-05	10	0.000001157850	1.16E-06	1.47E-06	2.63E-06	1/380539
Class 3 & 4 Patio	no signal seen		1.0	0.000001	0.0000000000	0	10	0.000000000000	0.00E+00	3.59E-07	3.59E-07	1/2785515
Sports Field	2162.133	99.3	92,257.1	0.092257	0.0000225765	2.258E-05	10	0.000002257650	2.26E-06	1.08E-06	3.34E-06	1/299612



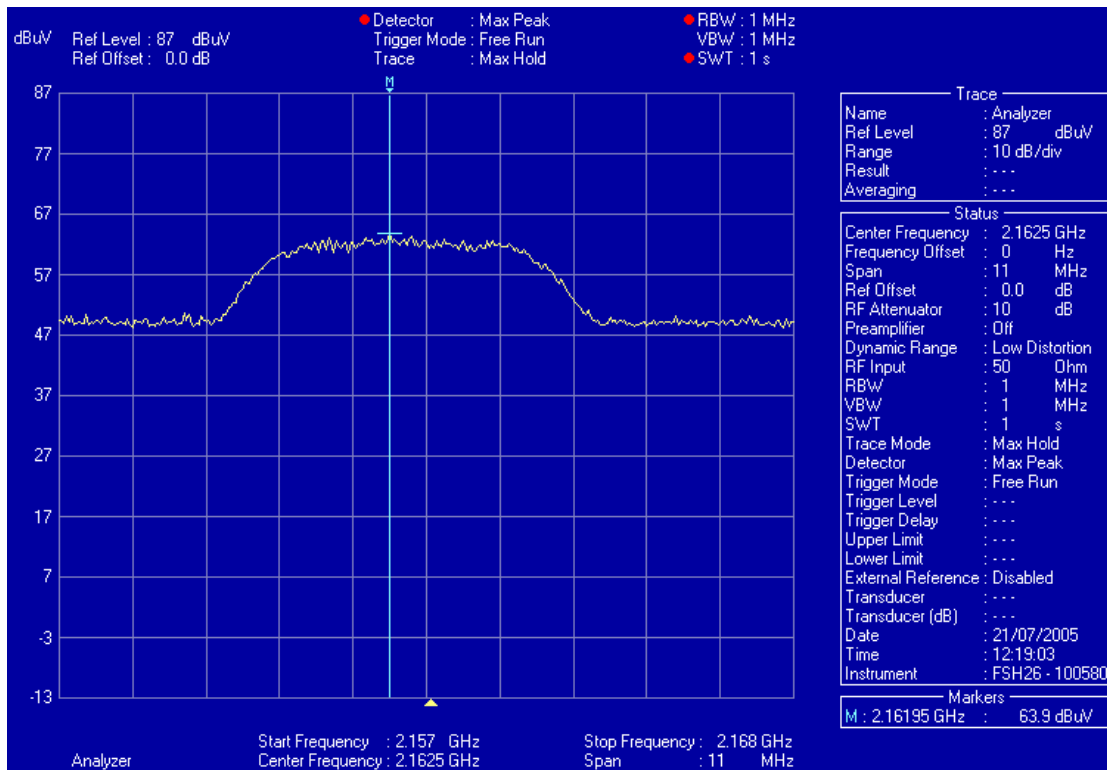
Location 1: Class 5



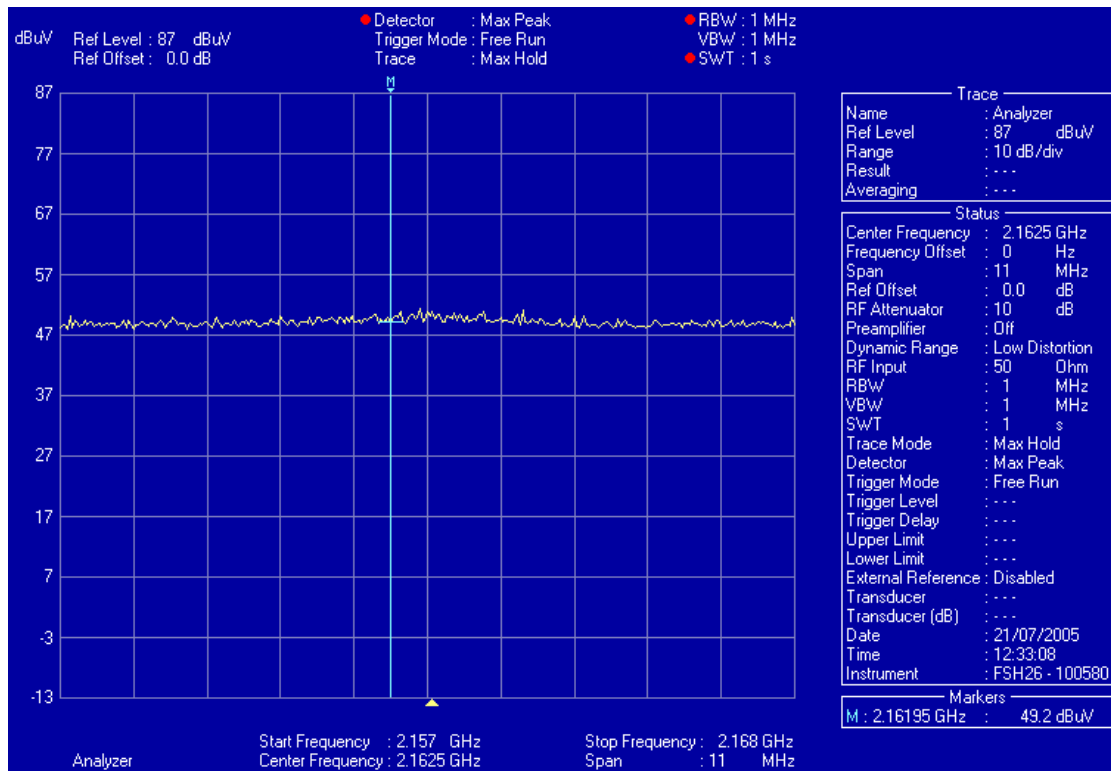
Location 2: Main Hall



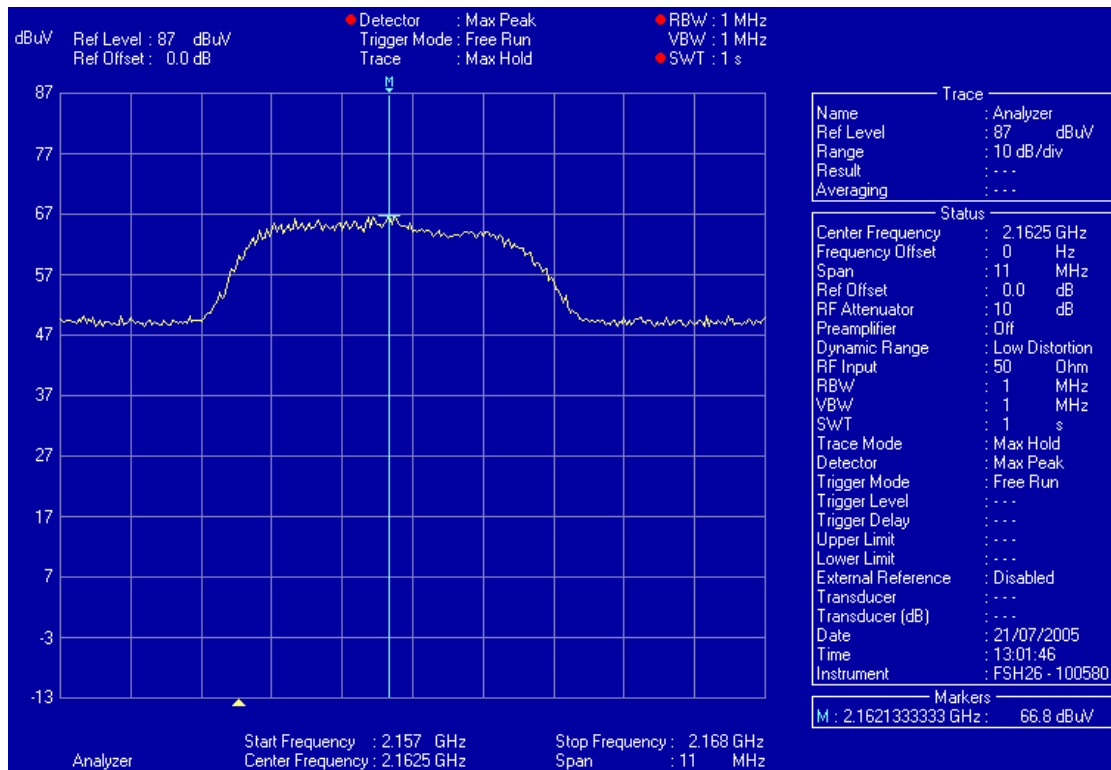
Location 3: Hall Patio



Location 4: Main Playground



Location 5: Class 3 & 4 Patio (no signal seen)



Location 6: Sports Field

Annex

2G Mobile Phone Base-Station Audit

Mobile Phone Base-Station Audit

Audit site: FRINTON PRIMARY SCHOOL
FIFTH AVENUE
FRINTON ON SEA
ESSEX
CO13 9LQ

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 FRINTON PRIMARY SCHOOL on 21 July 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
HALL PATIO	3.04E-05	1/32887
MAIN HALL	1.87E-06	1/535974
MAIN PLAYGROUND	1.47E-06	1/681893
SPORTS FIELD	1.08E-06	1/922008
CLASS 5	9.37E-07	1/1067719
CLASS 3 & 4 PATIO	3.59E-07	1/2782807

Issued on behalf of Ofcom.

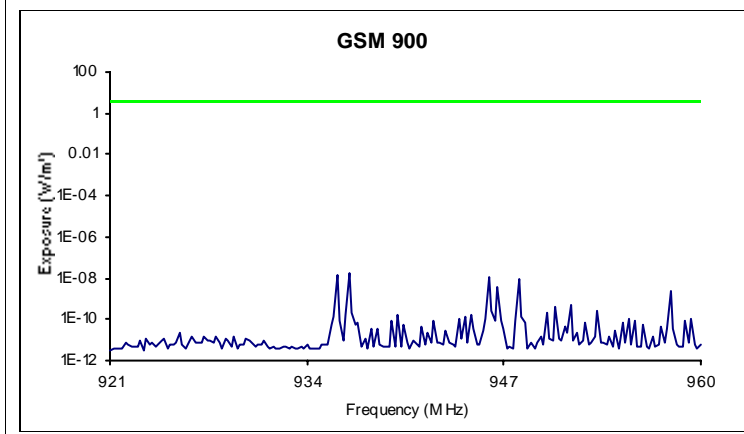
Issued by:

Received by:

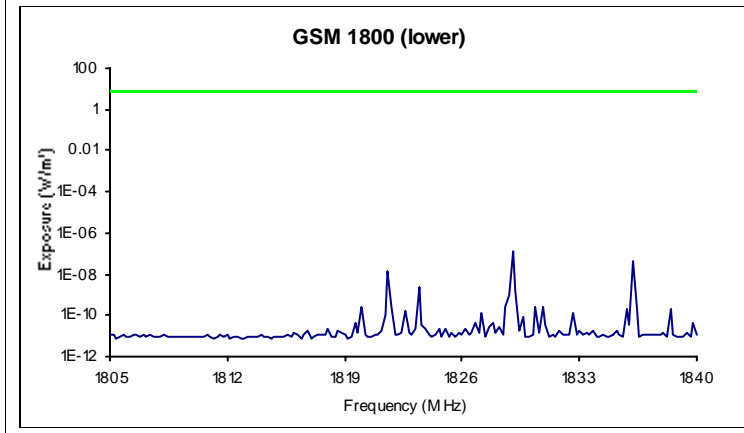
BW
Technical Investigation Officer

ANNE BURBIDGE
HEAD TEACHER

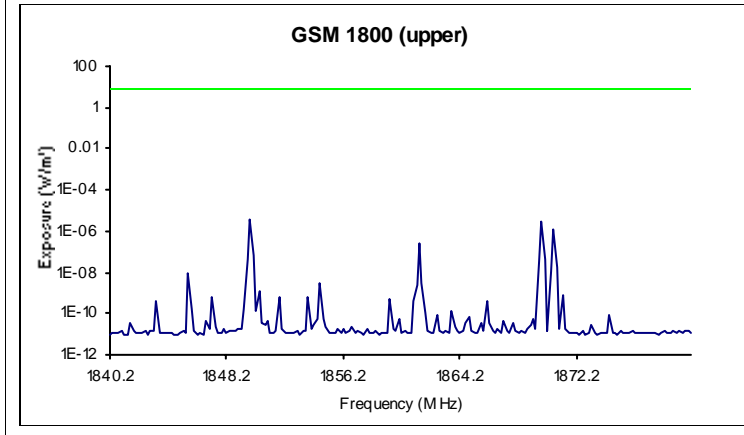
Site: FRINTON PRIMARY SCHOOL	Receiver:
Location: CLASS 5	Manufacturer: ROHDE&SCHWARZ
	Model: EB200
	Serial Number: 837.752/028
NGR: TM 2330 2030 Taken from GPS	Antenna:
Start Time: 21 July 2005 11:23:37	Manufacturer: Rohde & Schwarz
Officer: BW	Model: HE200
	Serial Number: 758745/019



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
936.800	1.78E-08	4.68	3.80E-09
936.000	1.48E-08	4.68	3.16E-09
946.000	1.02E-08	4.73	2.16E-09
948.000	9.38E-09	4.74	1.98E-09
946.600	3.81E-09	4.73	8.04E-10
958.000	2.58E-09	4.79	5.39E-10
951.400	4.52E-10	4.76	9.51E-11
950.400	4.21E-10	4.75	8.86E-11
953.200	2.61E-10	4.77	5.48E-11
946.200	2.35E-10	4.73	4.96E-11
Band Exposure Quotient:			1.37E-08



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,829.000	1.34E-07	9.14	1.46E-08
1,836.200	3.99E-08	9.18	4.35E-09
1,821.600	1.29E-08	9.11	1.42E-09
1,823.400	2.15E-09	9.12	2.35E-10
1,829.200	1.64E-09	9.15	1.80E-10
1,828.800	1.01E-09	9.14	1.11E-10
1,830.400	2.67E-10	9.15	2.92E-11
1,828.600	2.66E-10	9.14	2.91E-11
1,820.000	2.62E-10	9.10	2.88E-11
1,830.800	2.61E-10	9.15	2.85E-11
Band Exposure Quotient:			2.14E-08



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,849.800	3.90E-06	9.25	4.22E-07
1,869.800	2.79E-06	9.35	2.99E-07
1,870.600	1.22E-06	9.35	1.31E-07
1,861.400	2.34E-07	9.31	2.52E-08
1,850.000	6.19E-08	9.25	6.69E-09
1,849.600	4.09E-08	9.25	4.42E-09
1,870.000	3.86E-08	9.35	4.13E-09
1,869.600	3.13E-08	9.35	3.35E-09
1,870.800	1.81E-08	9.35	1.93E-09
1,870.400	1.25E-08	9.35	1.34E-09
Band Exposure Quotient:			9.02E-07

Site: FRINTON PRIMARY SCHOOL

Location: MAIN HALL

NGR: TM 2332 2035 **Taken from GPS**

Start Time: 21 July 2005 11:45:59

Officer: BW

Receiver:

Manufacturer: ROHDE&SCHWARZ

Model: EB200

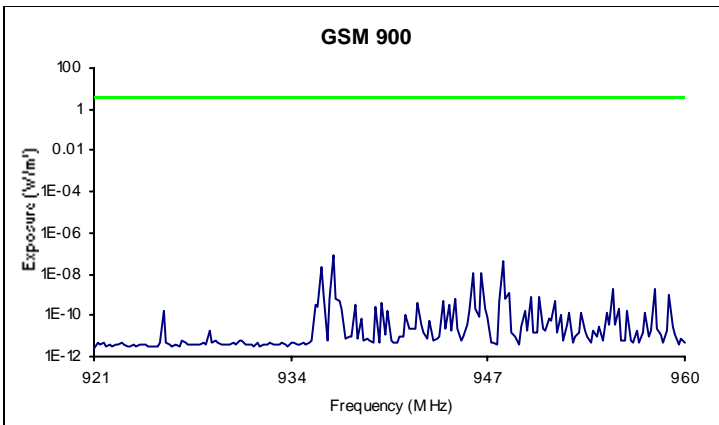
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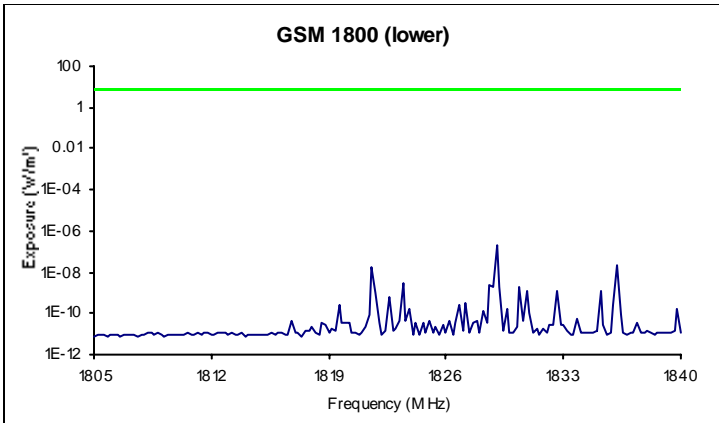
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Model: HE200

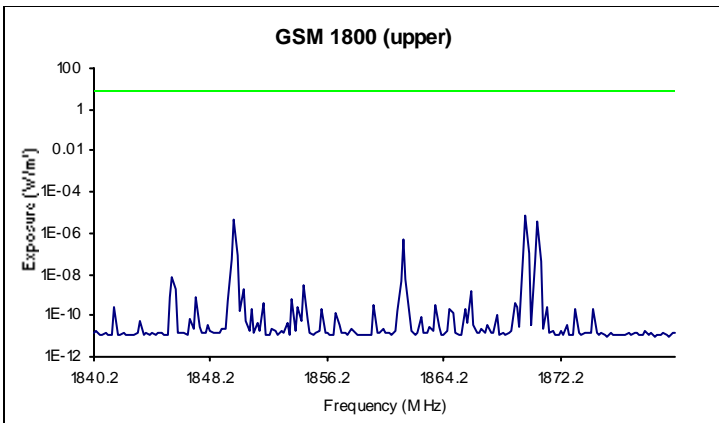
Serial Number: 758745/019



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
936.800	7.96E-08	4.68	1.70E-08
948.000	4.81E-08	4.74	1.01E-08
936.000	2.14E-08	4.68	4.57E-09
946.600	1.10E-08	4.73	2.32E-09
946.000	1.02E-08	4.73	2.16E-09
958.000	2.10E-09	4.79	4.38E-10
955.200	1.90E-09	4.78	3.98E-10
948.400	1.21E-09	4.74	2.55E-10
959.000	1.01E-09	4.79	2.10E-10
936.200	9.78E-10	4.68	2.09E-10
Band Exposure Quotient:			4.03E-08



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,829.000	1.93E-07	9.14	2.11E-08
1,836.200	2.46E-08	9.18	2.68E-09
1,821.600	1.74E-08	9.11	1.91E-09
1,823.400	3.10E-09	9.12	3.40E-10
1,828.600	2.22E-09	9.14	2.42E-10
1,829.200	2.07E-09	9.15	2.26E-10
1,830.400	1.81E-09	9.15	1.97E-10
1,828.800	1.80E-09	9.14	1.97E-10
1,830.800	1.28E-09	9.15	1.40E-10
1,835.200	1.26E-09	9.18	1.37E-10
Band Exposure Quotient:			2.80E-08



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,869.800	7.18E-06	9.35	7.68E-07
1,849.800	4.80E-06	9.25	5.19E-07
1,870.600	3.86E-06	9.35	4.13E-07
1,861.400	4.57E-07	9.31	4.91E-08
1,870.000	1.06E-07	9.35	1.14E-08
1,850.000	8.74E-08	9.25	9.45E-09
1,869.600	7.52E-08	9.35	8.04E-09
1,849.600	5.14E-08	9.25	5.56E-09
1,870.800	4.65E-08	9.35	4.97E-09
1,870.400	4.23E-08	9.35	4.53E-09
Band Exposure Quotient:			1.80E-06

Total number of measurements 572

Total Band Exposure Quotient:

1.87E-06

Site: FRINTON PRIMARY SCHOOL

Location: HALL PATIO

NGR: TM 2330 2036 **Taken from GPS**

Start Time: 21 July 2005 12:02:40

Officer: BW

Receiver:

Manufacturer: ROHDE&SCHWARZ

Model: EB200

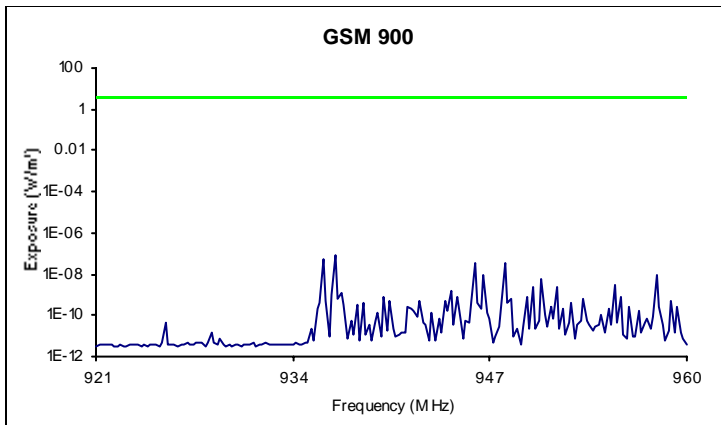
Serial Number: 837.752/028

Antenna:

Manufacturer: Rohde & Schwarz

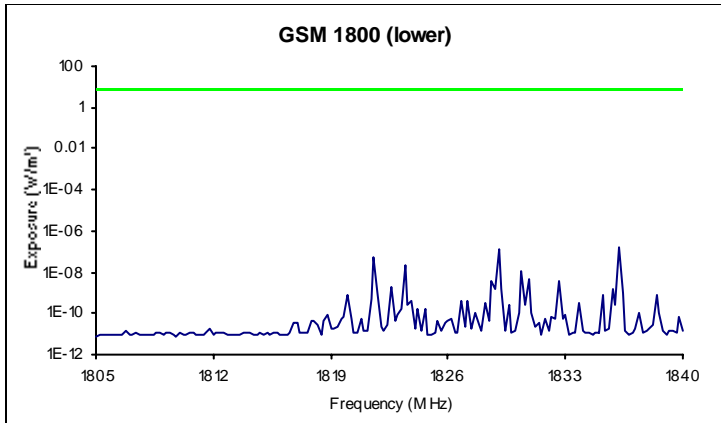
Model: HE200

Serial Number: 758745/019



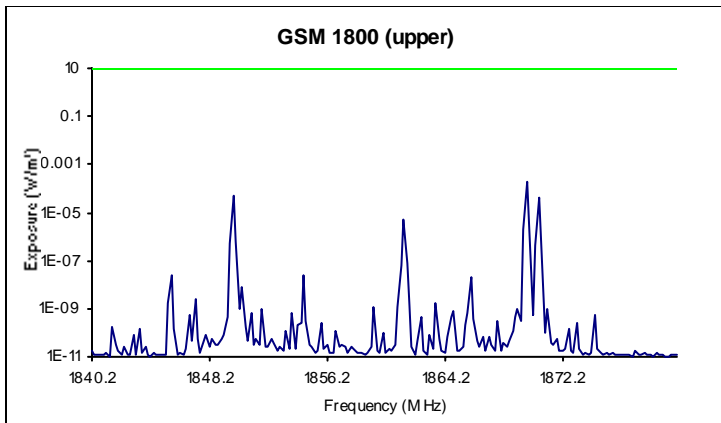
Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
936.800	8.73E-08	4.68	1.86E-08
936.000	5.37E-08	4.68	1.15E-08
946.000	3.31E-08	4.73	7.00E-09
948.000	3.18E-08	4.74	6.70E-09
946.600	9.56E-09	4.73	2.02E-09
958.000	8.95E-09	4.79	1.87E-09
950.400	6.37E-09	4.75	1.34E-09
955.200	2.75E-09	4.78	5.76E-10
951.400	2.43E-09	4.76	5.11E-10
949.800	2.36E-09	4.75	4.98E-10

Band Exposure Quotient: 5.50E-08



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,836.200	1.78E-07	9.18	1.94E-08
1,829.000	1.37E-07	9.14	1.49E-08
1,821.600	5.25E-08	9.11	5.76E-09
1,823.400	2.10E-08	9.12	2.30E-09
1,830.400	1.09E-08	9.15	1.19E-09
1,830.800	5.09E-09	9.15	5.57E-10
1,828.600	4.03E-09	9.14	4.41E-10
1,832.600	3.97E-09	9.16	4.33E-10
1,822.600	2.00E-09	9.11	2.19E-10
1,828.800	1.61E-09	9.14	1.76E-10

Band Exposure Quotient: 4.70E-08



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,869.800	1.80E-04	9.35	1.93E-05
1,849.800	4.69E-05	9.25	5.07E-06
1,870.600	4.33E-05	9.35	4.63E-06
1,861.400	5.01E-06	9.31	5.39E-07
1,870.000	2.73E-06	9.35	2.92E-07
1,869.600	1.89E-06	9.35	2.02E-07
1,850.000	6.78E-07	9.25	7.33E-08
1,870.800	5.85E-07	9.35	6.25E-08
1,849.600	5.14E-07	9.25	5.56E-08
1,870.400	4.33E-07	9.35	4.63E-08

Band Exposure Quotient: 3.03E-05

Total number of measurements 572

Total Band Exposure Quotient: 3.04E-05

Site: FRINTON PRIMARY SCHOOL

Location: MAIN PLAYGROUND

NGR: TM 2326 2030 **Taken from GPS**

Start Time: 21 July 2005 12:23:02

Officer: BW

Receiver:

Manufacturer: ROHDE&SCHWARZ

Model: EB200

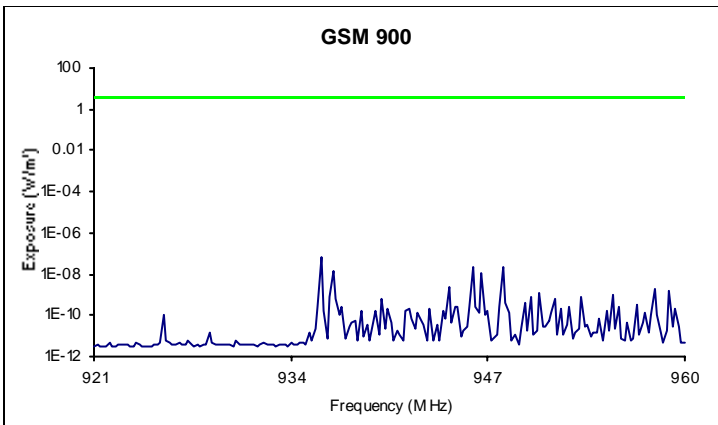
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Antenna:

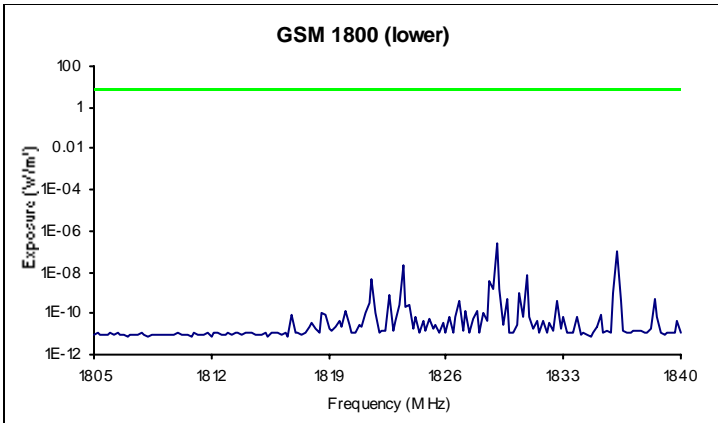
Manufacturer: Rohde & Schwarz

Model: HE200

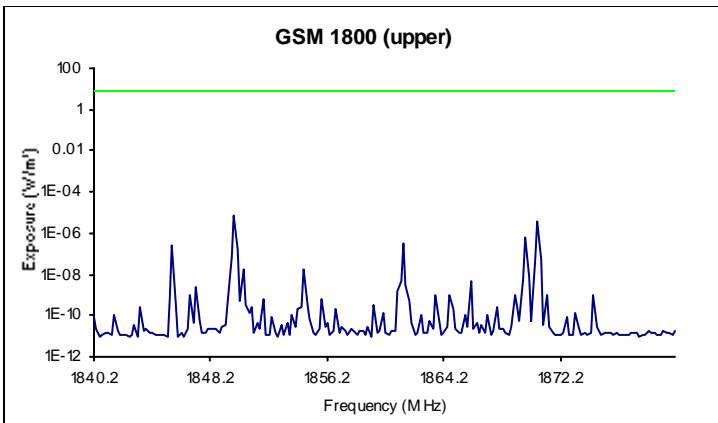
Serial Number: 758745/019



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
936.000	6.92E-08	4.68	1.48E-08
948.000	2.47E-08	4.74	5.20E-09
946.000	2.24E-08	4.73	4.73E-09
936.800	1.55E-08	4.68	3.31E-09
946.600	1.07E-08	4.73	2.27E-09
944.400	2.50E-09	4.72	5.30E-10
958.000	1.83E-09	4.79	3.82E-10
959.000	1.39E-09	4.79	2.90E-10
950.400	1.30E-09	4.75	2.74E-10
955.200	9.75E-10	4.78	2.04E-10
Band Exposure Quotient:			3.47E-08



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,829.000	2.32E-07	9.14	2.54E-08
1,836.200	1.10E-07	9.18	1.20E-08
1,823.400	2.46E-08	9.12	2.70E-09
1,830.800	6.56E-09	9.15	7.17E-10
1,821.600	4.68E-09	9.11	5.14E-10
1,828.600	3.94E-09	9.14	4.31E-10
1,829.200	1.68E-09	9.15	1.84E-10
1,828.800	1.64E-09	9.14	1.80E-10
1,836.000	1.05E-09	9.18	1.14E-10
1,830.400	9.05E-10	9.15	9.89E-11
Band Exposure Quotient:			4.32E-08



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,849.800	7.44E-06	9.25	8.04E-07
1,870.600	3.86E-06	9.35	4.13E-07
1,869.800	5.98E-07	9.35	6.39E-08
1,861.400	3.39E-07	9.31	3.64E-08
1,845.600	2.50E-07	9.23	2.71E-08
1,850.000	1.55E-07	9.25	1.68E-08
1,849.600	7.10E-08	9.25	7.68E-09
1,870.800	5.72E-08	9.35	6.11E-09
1,870.400	4.14E-08	9.35	4.42E-09
1,854.600	1.97E-08	9.27	2.13E-09
Band Exposure Quotient:			1.39E-06

Site: FRINTON PRIMARY SCHOOL

Location: CLASS 3 & 4 PATIO

NGR: TM 2329 2029 **Taken from GPS**

Start Time: 21 July 2005 12:39:17

Officer: BW

Receiver:

Manufacturer: ROHDE&SCHWARZ

Model: EB200

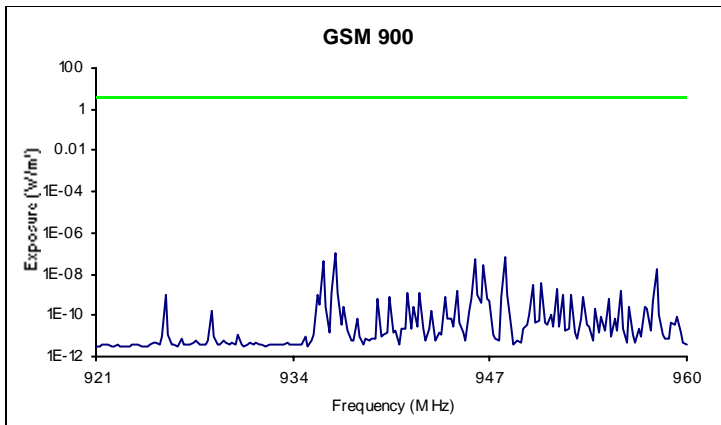
Serial Number: 837.752/028

Antenna:

Manufacturer: Rohde & Schwarz

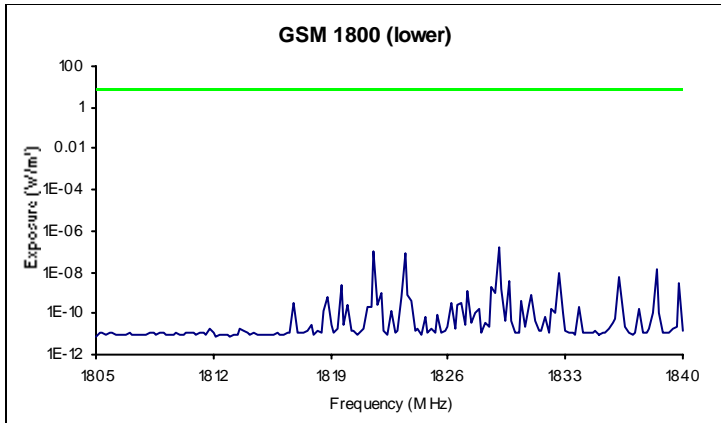
Model: HE200

Serial Number: 758745/019



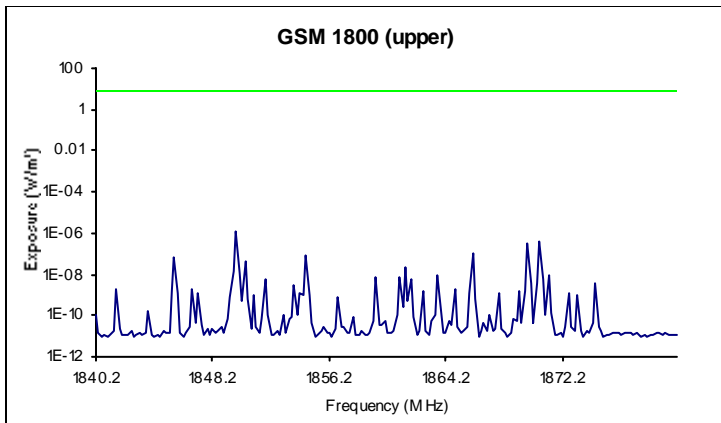
Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
936.800	9.57E-08	4.68	2.04E-08
948.000	7.45E-08	4.74	1.57E-08
946.000	5.75E-08	4.73	1.22E-08
936.000	4.37E-08	4.68	9.33E-09
946.600	2.57E-08	4.73	5.44E-09
958.000	1.67E-08	4.79	3.48E-09
950.400	4.12E-09	4.75	8.66E-10
949.800	2.78E-09	4.75	5.85E-10
951.400	1.76E-09	4.76	3.70E-10
944.800	1.58E-09	4.72	3.35E-10

Band Exposure Quotient: 7.39E-08



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,829.000	1.53E-07	9.14	1.68E-08
1,821.600	1.05E-07	9.11	1.15E-08
1,823.400	8.16E-08	9.12	8.95E-09
1,838.400	1.42E-08	9.19	1.55E-09
1,832.600	9.52E-09	9.16	1.04E-09
1,836.200	6.18E-09	9.18	6.73E-10
1,829.600	3.86E-09	9.15	4.22E-10
1,839.800	2.91E-09	9.20	3.16E-10
1,819.600	2.28E-09	9.10	2.51E-10
1,828.600	1.76E-09	9.14	1.92E-10

Band Exposure Quotient: 4.33E-08



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,849.800	1.15E-06	9.25	1.25E-07
1,870.600	3.69E-07	9.35	3.94E-08
1,869.800	2.93E-07	9.35	3.13E-08
1,866.000	1.03E-07	9.33	1.11E-08
1,854.600	8.22E-08	9.27	8.87E-09
1,845.600	6.28E-08	9.23	6.81E-09
1,850.400	4.28E-08	9.25	4.63E-09
1,861.400	2.45E-08	9.31	2.64E-09
1,849.600	1.29E-08	9.25	1.40E-09
1,850.000	1.23E-08	9.25	1.33E-09

Band Exposure Quotient: 2.42E-07

Total number of measurements 572

Total Band Exposure Quotient: 3.59E-07

Site: FRINTON PRIMARY SCHOOL

Location: SPORTS FIELD

NGR: TM 2320 2021 **Taken from GPS**

Start Time: 21 July 2005 13:01:34

Officer: BW

Receiver:

Manufacturer: ROHDE&SCHWARZ

Model: EB200

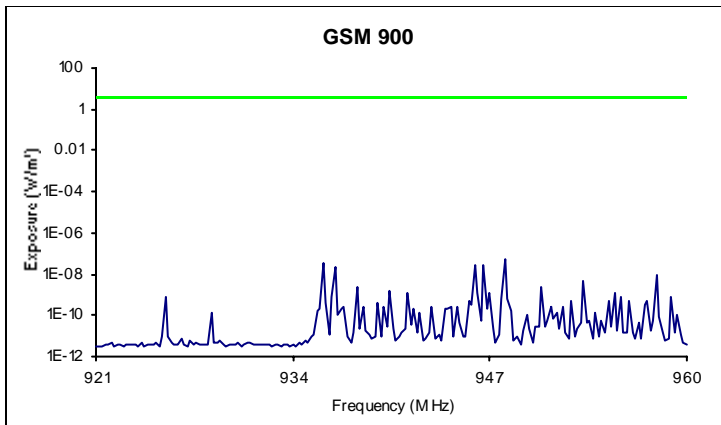
Serial Number: 837.752/028

Antenna:

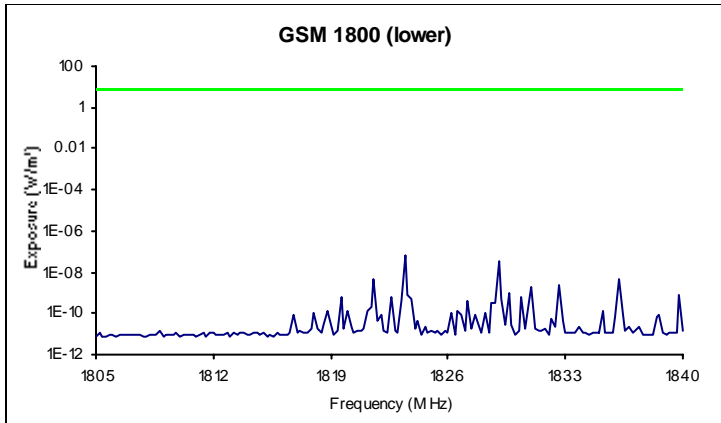
Manufacturer: Rohde & Schwarz

Model: HE200

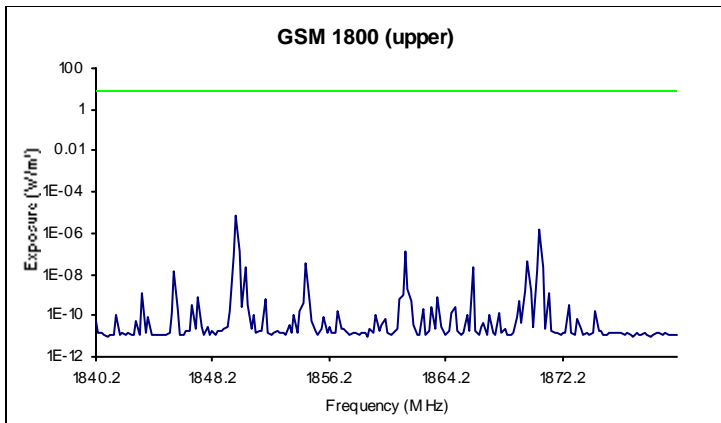
Serial Number: 758745/019



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
948.000	5.04E-08	4.74	1.06E-08
936.000	3.72E-08	4.68	7.94E-09
946.600	2.76E-08	4.73	5.83E-09
946.000	2.75E-08	4.73	5.82E-09
936.800	2.35E-08	4.68	5.01E-09
958.000	8.55E-09	4.79	1.79E-09
953.200	4.54E-09	4.77	9.53E-10
950.400	2.42E-09	4.75	5.10E-10
938.200	2.20E-09	4.69	4.69E-10
940.400	1.49E-09	4.70	3.18E-10
Band Exposure Quotient:			4.34E-08



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,823.400	6.05E-08	9.12	6.63E-09
1,829.000	3.20E-08	9.14	3.50E-09
1,821.600	4.47E-09	9.11	4.91E-10
1,836.200	4.48E-09	9.18	4.88E-10
1,832.600	2.28E-09	9.16	2.49E-10
1,831.000	1.77E-09	9.15	1.93E-10
1,829.600	9.69E-10	9.15	1.06E-10
1,823.600	7.79E-10	9.12	8.55E-11
1,839.800	7.48E-10	9.20	8.13E-11
1,819.600	6.29E-10	9.10	6.91E-11
Band Exposure Quotient:			1.27E-08



Frequency (MHz)	Maximum Exposure (W/m²)	ICNIRP Limit (W/m²)	Frequency Exposure Quotient
1,849.800	7.61E-06	9.25	8.23E-07
1,870.600	1.37E-06	9.35	1.47E-07
1,850.000	1.42E-07	9.25	1.53E-08
1,861.400	1.26E-07	9.31	1.35E-08
1,849.600	8.73E-08	9.25	9.44E-09
1,869.800	4.64E-08	9.35	4.96E-09
1,854.600	3.27E-08	9.27	3.53E-09
1,850.400	2.25E-08	9.25	2.43E-09
1,866.000	2.16E-08	9.33	2.31E-09
1,870.800	1.98E-08	9.35	2.12E-09
Band Exposure Quotient:			1.03E-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/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