



## The Global Spectrum Database

The ultimate reference source for **mobile** and **wireless broadband spectrum** worldwide!



### **Essential for:**

- Analysing markets and operators
- Valuing companies
- Identify global trends in spectrum bands and technologies
- Planning new wireless businesses or services
- Calculating operators' international footprints
- Network planning
- International benchmarking
- Establishing licence terms and expiry dates

### **Features:**

- Information on 800 operators
- Prices paid for hundreds of licences
- Over 80 major economies covered
- Details of more than 1500 licences
- Overview of regulatory regimes

**Additional consultancy service available**

***No need to spend weeks doing background research – get the essential information at a glance!***



*Do you need to value companies?*

The Global Spectrum Database is the ultimate reference source for mobile and wireless broadband spectrum around the world.

Do you need to value companies, quickly assess the communications market in a given country, or benchmark policies at home? Are you looking to plan a new business in your own country or abroad? The Global Spectrum Database can give you the information it would take weeks to research in only minutes.

*Are you looking to plan a new business?*

It tells you which bands have been allocated to mobile or wireless broadband in every country, which companies hold licences and how much they have paid for them. This information can be sorted by country, region or company. You can find out when these licences expire, and whether the licensee has to share the spectrum with any other applications

*Do you need to make international comparisons?*

The database also integrates with existing population data, which can be shown in both tables and graphs. The database also gives you an outline of the regulatory framework in each country.

All this is presented in the familiar and easy-to-use format of Excel spreadsheets.

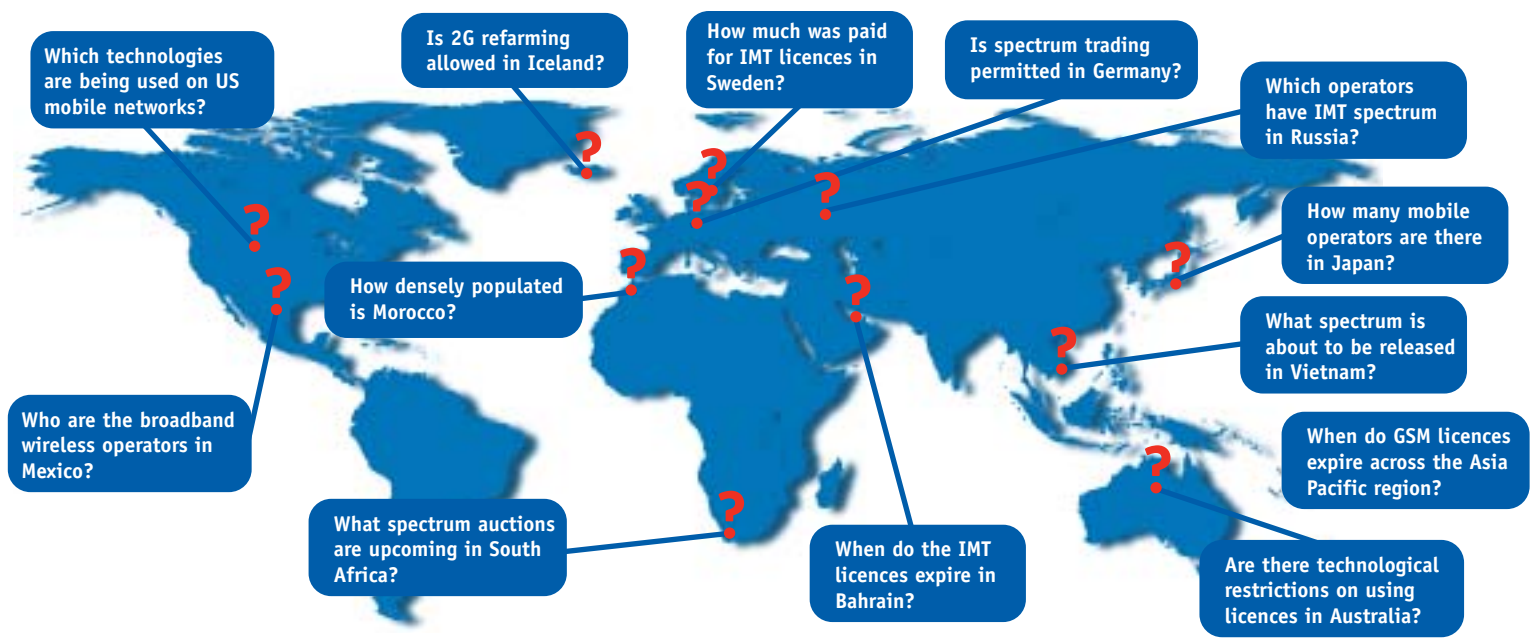
### An essential tool

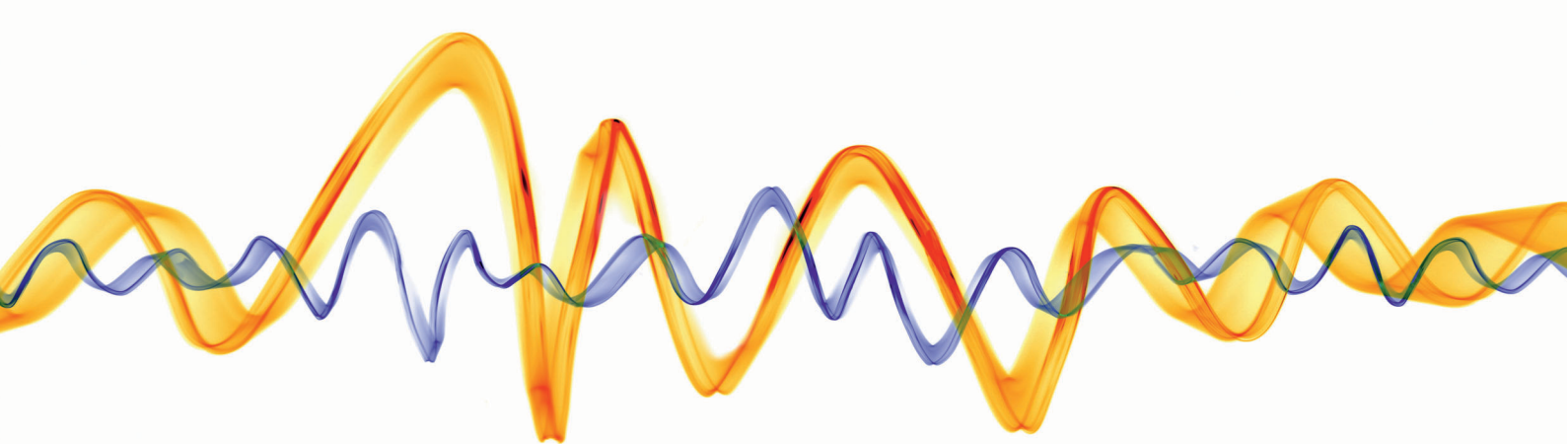
The Global Spectrum Database is an essential tool for anyone who has to make professional judgements relating to the mobile or wireless sector. This includes operators, manufacturers, regulators, lawyers and accountants. It costs £2000 p.a. and is updated quarterly. The database can be installed on up to five Windows PCs in any of your offices.

The Global Spectrum Database has been produced for the trade association of GSM operators, the GSMA, for the past 3 years and has until now been used as an internal resource. The information it contains is researched by the highly respected spectrum engineering consultancy, Aegis Systems.

### Premium subscription service

For £3000 p.a. we offer a premium subscription which includes a day and a half's consultancy as well as access to the database. We will analyse and contextualise the relevant information on the topic you request, as well as carrying out further specially tailored research. This information will be presented to you in the form of a written report followed up by a conference call with a GSMA spectrum expert and a member of the PolicyTracker staff.





## Q: How can I use the Global Spectrum Database?

A: Getting an instant snapshot of a national market e.g. Switzerland.....

Who owns the IMT licences in Switzerland? How much did they pay? What technologies do they use?

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
GSMA Spectrum Database	Agis Systems Ltd	Version No. 4.02	Tuesday, September 29, 2009	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA		
COUNTRY	REGION	No of Licences	Licencee	WI ID	WI Name	Standard	Year of Issue	Duration (years)	Expiry	Band	Frequencies	Paired	Unpaired	Amount	Licence Footprint	Amount	Licence Footprint	Amount	Licence Footprint	Amount	
Switzerland	Europe - Western	3	Orange Switzerland	362	Orange Switzerland	UMTS	2002	15	2016	2 GHz TDD	1905.5-1910.5	5		CHF 55,000,000	2 x 14.8						
Switzerland	Europe - Western	3	Orange Switzerland	362	Orange Switzerland	UMTS	2002	15	2016	2 GHz FDD	1964.5-1940.5-2154.9	5		CHF 55,000,000	2 x 14.8						
Switzerland	Europe - Western	3	Swisscom	457	Swisscom	UMTS	2002	15	2016	2 GHz TDD	1913.5-1920.5	5		CHF 50,000,000	2 x 14.8						
Switzerland	Europe - Western	3	Swisscom	457	Swisscom	UMTS	2002	15	2016	2 GHz FDD	1920.5-1936.3-2115.5	5		CHF 50,000,000	2 x 14.8						

What about the GSM licences? How much spectrum does each company hold? In which band?

## A: International benchmarking

When do GSM licences expire in Western Europe?

What other broadband licences have been issued in the Americas and how much did they cost? (i.e. licences other than IMT and GSM)

What is the world's cheapest IMT licence?

What is the 2.1-2.3GHz band used for around the world?

A selection of the total available information which covers the whole world.

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
COUNTRY	REGION	Operator	GSM	IMT Expi	N	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	
172	Norway	Europe - Western	Mobile Norway	2013	2020															
173	Norway	Europe - Western	Natcom	2010	2012															
174	Norway	Europe - Western	Norvisk Mobiltelefon	2010	2016															
175	Norway	Europe - Western	Norway Other	2013																
176	Norway	Europe - Western	Norwegian Ships	2010																
177	Norway	Europe - Western	Telefon	2010	2012															
185	Portugal	Europe - Western	Optimus	2010																
186	Portugal	Europe - Western	TMN	2010																
187	Portugal	Europe - Western	Vodafone Portugal	2010																
198	Spain	Europe - Western	Orange Spain	2010																
209	Spain	Europe - Western	Telefonica Moviles	2010																
210	Spain	Europe - Western	Vodafone Spain	2010																
211	Spain	Europe - Western	Yoigo	2010																
216	Sweden	Europe - Western	3 Sweden	2010																
217	Sweden	Europe - Western	Tele2 Sweden	2010																
218	Sweden	Europe - Western	Telefon Sweden	2010																
219	Switzerland	Europe - Western	In&Phone	2010																
220	Switzerland	Europe - Western	Orange Switzerland	2010																
221	Switzerland	Europe - Western	Sunrise	2010																
222	Switzerland	Europe - Western	Swisscom	2010																
223	Switzerland	Europe - Western	Tele2	2010																
227	United Kingdom	Europe - Western	3 UK	2010																
228	United Kingdom	Europe - Western	BT UK	2010																
229	United Kingdom	Europe - Western	Orange UK	2010																
230	United Kingdom	Europe - Western	TM Mobile UK	2010																
231	United Kingdom	Europe - Western	Vodafone UK	2010																
235	United Kingdom	Europe - Western	Telefon UK	2010																

The information can be sorted by price, by region or by country

This information is available for all the other continents, or can be narrowed down to individual countries

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
COUNTRY	REGION	Operator	GSM	IMT Expi	N	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	
1	USA	USA - Canada	Verizon Wireless	2010																
2	USA	USA - Canada	Verizon Wireless	2010																
3	USA	USA - Canada	Verizon Wireless	2010																
4	USA	USA - Canada	Verizon Wireless	2010																
5	USA	USA - Canada	Verizon Wireless	2010																
6	USA	USA - Canada	Verizon Wireless	2010																
7	USA	USA - Canada	Verizon Wireless	2010																
8	USA	USA - Canada	Verizon Wireless	2010																
9	USA	USA - Canada	Verizon Wireless	2010																
10	USA	USA - Canada	Verizon Wireless	2010																
11	USA	USA - Canada	Verizon Wireless	2010																
12	USA	USA - Canada	Verizon Wireless	2010																
13	USA	USA - Canada	Verizon Wireless	2010																
14	USA	USA - Canada	Verizon Wireless	2010																
15	USA	USA - Canada	Verizon Wireless	2010																

This data is available for all the licensed bands

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