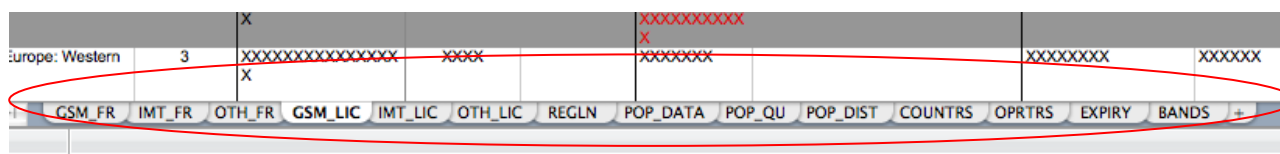


A brief guide to using the Global spectrum database

1. The worksheets

The information in the database is divided into categories and presented in a series of excel worksheets:

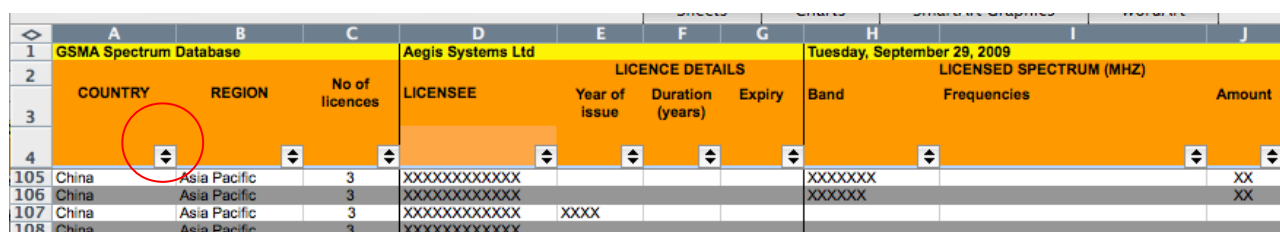


These include the following data, where known:

GSM_FR:	GSM frequency usage
IMT_FR:	IMT frequency usage
OTH_FR:	Other frequencies used for wireless broadband
GSM_LIC:	Names of GSM licencees, licence footprint, date of issue and expiry, licence conditions, technologies used, no of base stations, fees payable.
IMT_LIC:	As above but for IMT licences
OTH_LIC:	As above but for wireless broadband licences
REGLN:	An overview of the national regulatory approach, including refarming, service and technology neutrality, the digital dividend and spectrum trading
POP_DATA:	Population density data sourced from CIESIN at Columbia University
POP_QU:	A chart based on the above data showing population quartiles
POP_DIST:	A graph based on the above data showing population distribution
COUNTRS:	IMT, GSM and wireless broadband spectrum usage by country
OPERATORS:	IMT, GSM and wireless broadband spectrum usage by operator
EXPIRY:	Expiry dates of each operator's GSM and IMT licences
BANDS:	A graphic representation of regional allocations from 450 MHz to 3600 MHz

2. Manipulating the data

You sort the data using Excel's autofilter system: the arrows which sit just below the column names:



You click on the arrows and choose which section of the data you want to display.

Example: unused IMT frequencies in the Americas

Select "Americas" from the drop down menu in the "regions" column:

A	B	C	D	E	F	G	H	I	J	K	L	M
1	2	3	4	5	6	7	8	9	10	11	12	13
GSMA Spectrum Database	Aegis Systems Ltd	Version No. 4.02	Tuesday, September 29, 2009	LICENSED IMT SPECTRUM (MHZ)	OTHER USES OF IMT SPECTRUM (MHZ)	Usage	Frequencies	Paired	Unpaired	Last Updated		
COUNTRY	REGION	Band	FDD Uplink Freq	FDD Downlink Freq	TDD Freqs	Paired	Unpaired					
Argentina	Americas	482-488	482-488.75	482-488.75		2 x 4.25						22/10/07
Argentina	Americas	880-888	880-888	880-888		2 x 25						22/10/07
Australia	Americas	1525-1585	1525-1585	1525-1585		2 x 60						30/04/07
Australia	Americas	1920-1980	1920-1980	1920-1980		20						30/04/07
Australia	Americas	800-840	800-840	800-840		2 x 20						30/04/07
Austria	Americas	1920-1980	1920-1980	1920-1980		2 x 60						30/04/07
Austria	Americas	1920-1980	1920-1980	1920-1980		24.8						30/04/07
Austria	Americas	1920-1980	1920-1980	1920-1980		4.8						30/04/07
Bahrain	Americas	1920-1980	1920-1980	1920-1980		2 x 30						22/10/07
Bahrain	Americas	1920-1980	1920-1980	1920-1980		2 x 30						22/10/07
Belgium	Americas	1920-1980	1920-1980	1920-1980		2 x 44.9						30/04/07
Belgium	Americas	1920-1980	1920-1980	1920-1980		5						30/04/07

Then select "Not yet licensed" in Column I ("Usage"):

A	B	C	D	E	F	G	H	I	J	K	L	M
1	2	3	4	5	6	7	8	9	10	11	12	13
GSMA Spectrum Database	Aegis Systems Ltd	Version No. 4.02	Tuesday, September 29, 2009	LICENSED IMT SPECTRUM (MHZ)	OTHER USES OF IMT SPECTRUM (MHZ)	Usage	Frequencies	Paired	Unpaired	Last Updated		
COUNTRY	REGION	Band	FDD Uplink Freq	FDD Downlink Freq	TDD Freqs	Paired	Unpaired					
Argentina	Americas	482-488	482-488.75	482-488.75		2 x 4.25						22/10/07
Argentina	Americas	880-888	880-888	880-888		2 x 25						22/10/07
Brazil	Americas	1525-1585	1525-1585	1525-1585		2 x 60						23/10/08
Brazil	Americas	1920-1980	1920-1980	1920-1980		20						23/10/08
Brazil	Americas	800-840	800-840	800-840		2 x 20						23/10/08
Brazil	Americas	1920-1980	1920-1980	1920-1980		24.8						23/10/08
Canada	Americas	1920-1980	1920-1980	1920-1980		4.8						23/10/08
Canada	Americas	1920-1980	1920-1980	1920-1980		2 x 60						23/10/08
Chile	Americas	1920-1980	1920-1980	1920-1980		2 x 44.9						23/10/07
Martinique	Americas	1920-1980	1920-1980	1920-1980		5						23/10/07
Mexico	Americas	1920-1980	1920-1980	1920-1980		2 x 44.9						23/10/07

This will bring up entries for unused IMT spectrum in the Americas (excluding USA and Canada)

You can use as many autofilter selections as necessary, allowing you to drill down to find the data you need.

3. Tips

- Data in red has been entered since the database's last quarterly update
- A red triangle in the top right hand corner of the cell means a comment has been added providing further explanation
- Why can I only see data for Switzerland? There is an autofilter set for Switzerland in column B (see screenshots above) Click on the autofilter arrows and select "Show all" to see the whole sheet