

Frequency bands usable for GSM

- European regulators came up with one pair of bands
- USA FCC came up with a different pair of bands
- Some world regions follow EU, others follow USA

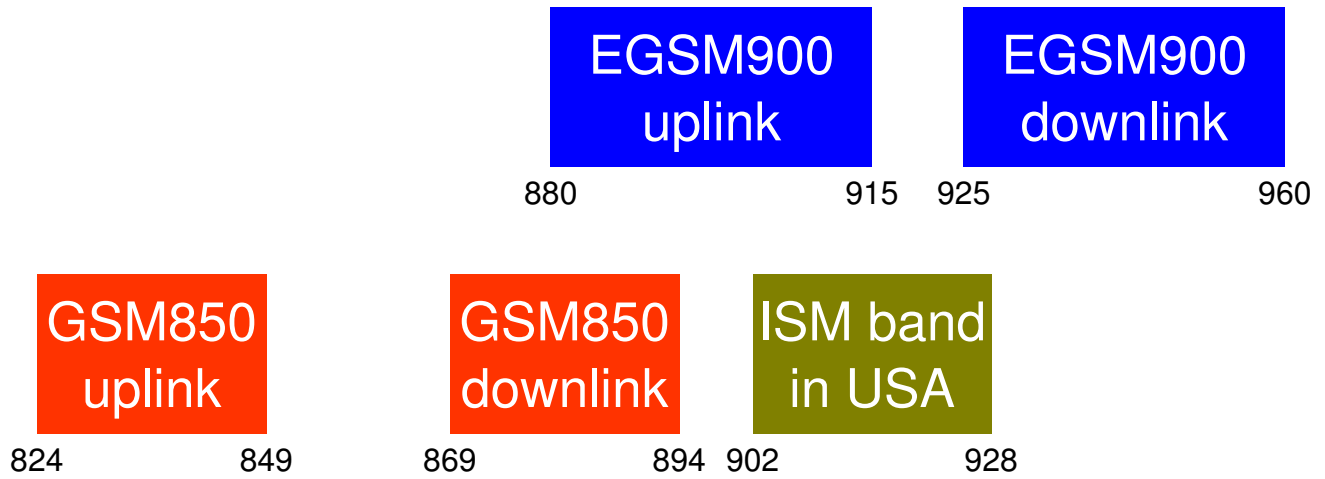
- Each region has a low GSM band and a high one

	EU	US
High	1800	1900
Low	900	850

Phone compatibility:

- **900** and **1900** MHz bands are supported by the very oldest of GSM phones, made respectively for EU and US markets, as well as all “world” phones.
- **1800** MHz band is supported by *most* EU-market and “world” GSM phones, but not the very oldest.
- **850** MHz band is supported only by late-generation GSM phones, made toward the end of 2G era.

Overlapping bands in low spectrum



Overlapping bands in high spectrum

