

EGYPTIAN RADIO SPECTRUM ALLOCATION CHART



ARAB REPUBLIC OF EGYPT National Telecommunication Regulatory Authority



Radio Services Legend

- NOT ALLOCATED
- AERONAUTICAL MOBILE
- AERONAUTICAL RADIONAVIGATION
- AMATEUR
- AMATEUR-SATELLITE
- BROADCASTING
- BROADCASTING-SATELLITE
- EARTH EXPLORATION-SATELLITE
- FIXED
- FIXED-SATELLITE
- INTER-SATELLITE
- LAND MOBILE
- MARITIME MOBILE
- MARITIME RADIONAVIGATION
- METEOROLOGICAL AIDS
- METEOROLOGICAL-SATELLITE
- MOBILE
- MOBILE-SATELLITE
- RADIO ASTRONOMY
- RADIOLOCATION
- RADIONAVIGATION
- RADIONAVIGATION SATELLITE
- SPACE OPERATION
- SPACE RESEARCH
- STANDARD FREQUENCY AND TIME SIGNAL
- STANDARD FREQUENCY AND TIME SIGNAL-SATELLITE

- A → Active
- B → Passive
- C → Deep Space
- D → Earth-to-Space
- E → Space-to-Earth
- F → except aeronautical mobile-satellite
- G → except aeronautical mobile
- H → Space-to-Space
- I → Distress and Calling
- J → Satellite Identification
- K → Radiobeacons
- L → OR (OFF-ROUTE)
- M → R (ROUTE)
- → Secondary Service

How to read this chart:

Any colored rectangular area represents a radio service. The two numbers written over the edges of the colored rectangular area represent the limits of the frequency range occupied by this radio service.

The name of the radio service can be extracted from the color of its rectangle and the color legend located above on the left side of the chart.

One or two letter(s) can be found inside any rectangle. These letters refer to the notices which are located under the color legend.

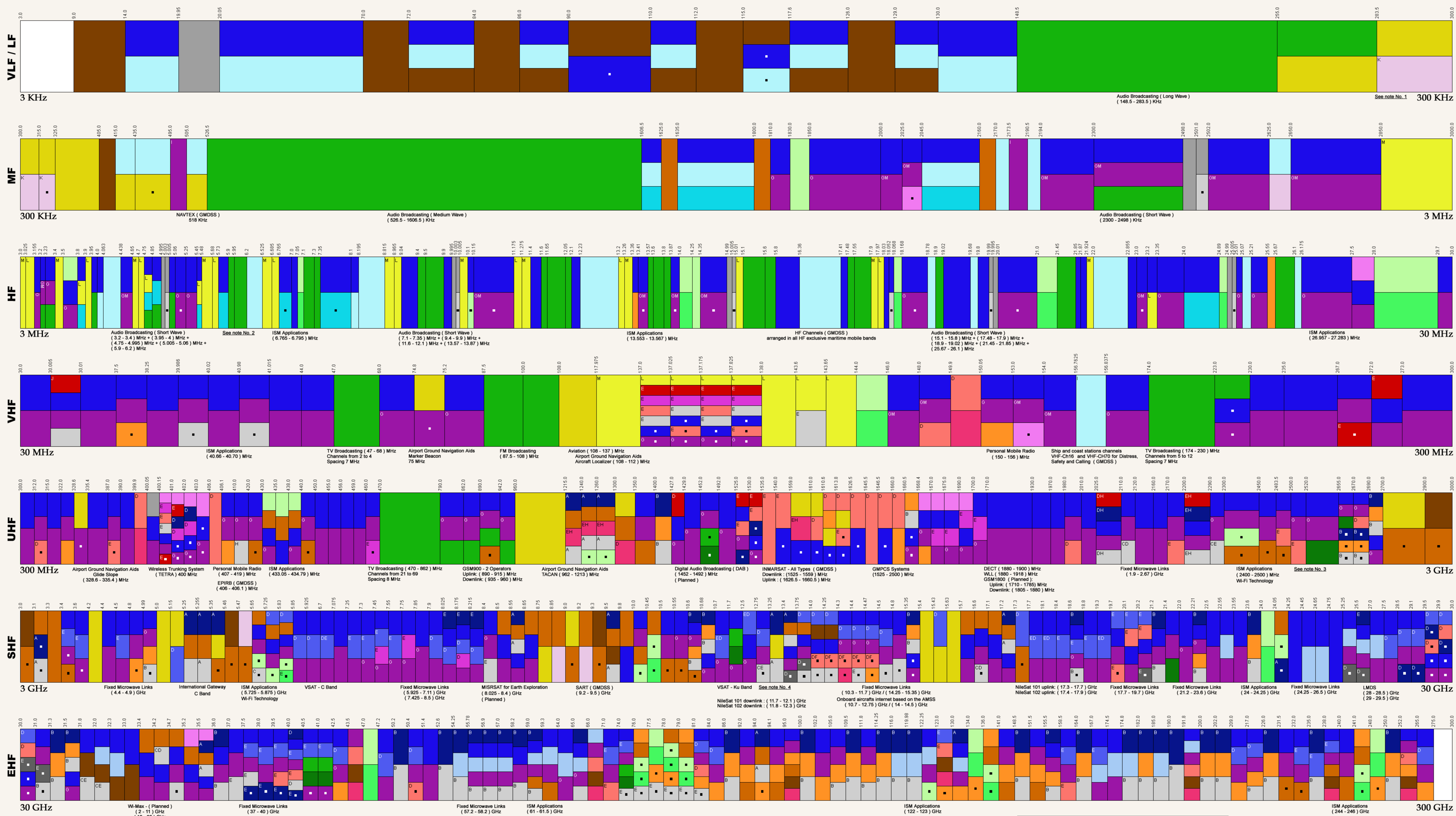
A small square may be found in the middle of any rectangle. This square indicates that the radio service represented by that rectangle is allocated on a Secondary Basis over the corresponding frequency range, otherwise it is allocated on a Primary Basis.

The color of the small square or the letters of the notices may be white or black to avoid any visual difficulties with the radio service rectangle color.

Example 1: The bottom rectangle in the band 4438 - 4465 KHz represents the following:
MOBILE (Rectangle Color) except aeronautical mobile (R) (Notice 'G') (Notice 'M')

Example 2: The bottom rectangle in the band 460 - 470 MHz represents the following:
Meteorological-satellite (Space-to-Earth) (Rectangle Color) (Notice 'E')

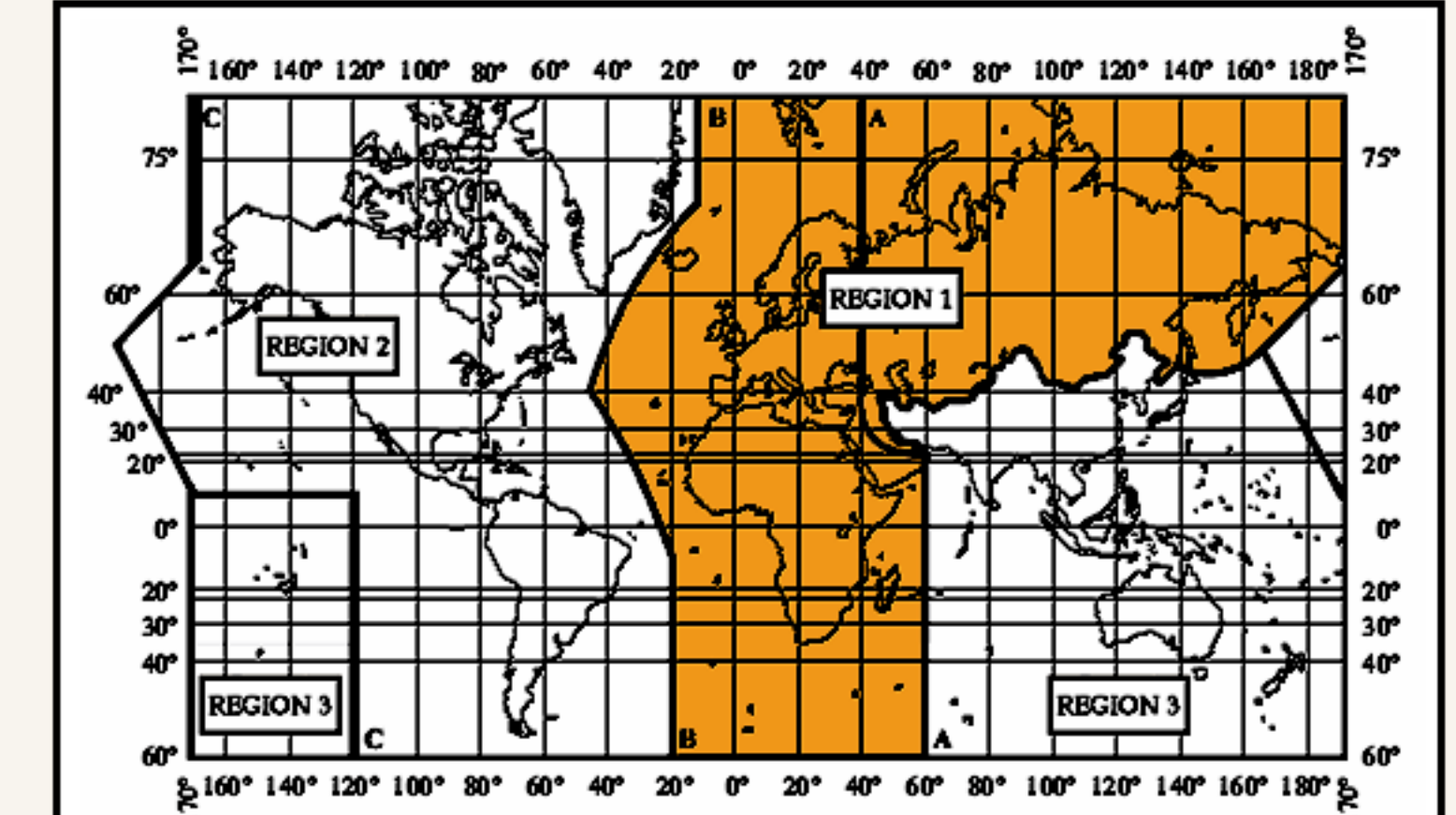
Remarks:
1- This allocation chart is based on the Radio Regulations (2001) published by the ITU.
2- The graphical spacing of any frequency band is not always proportional to the actual occupied amount of the spectrum due to the graphical restrictions.



Frequency Band Designations	Frequency Range (GHz)
L	0.4 - 1
P	1 - 2
S	2 - 4
C	4 - 8
X	8 - 12
K _u	12 - 18
K _a	18 - 27
K _v	27 - 40
V	40 - 75
W	75 - 110
mm	110 - 300

Definitions of Some Radio Services:

- Maritime mobile service: A mobile service between coast stations and ship stations, or between ship stations, or between associated on-board communication stations, survival craft stations and emergency position-indicating radiobeacon stations may also participate in this service.
- Maritime mobile-satellite service: A mobile-satellite service in which mobile earth stations are located on board ships; survival craft stations and emergency position indicating radiobeacon stations may also participate in this service.
- Aeronautical mobile service: A mobile service between aeronautical stations and aircraft stations, or between aircraft stations, in which survival craft stations may participate, emergency position-indicating radiobeacon stations may also participate in this service on designated distress and emergency frequencies.
- Radionavigation service: A radiodetermination service for the purpose of radionavigation.
- Radionavigation-satellite service: A radiodetermination-satellite service used for the purpose of radionavigation.
- Meteorological aids service: A radiocommunication service used for meteorological, including hydrological, observations and exploration.
- Standard frequency and time signal service: A radiocommunication service for scientific, technical and other purposes, providing the transmission of specified frequencies, time signals, or both, of stated high precision, intended for general reception.
- Amateur-satellite service: A radiocommunication service using space stations on earth satellites for the same purposes as those of the amateur service.



- Notes:**
- 1- The maritime radionavigation service (other than radiobeacons) is added to the band (285.3 - 285.7) KHz in Region 1 on a primary basis (See footnote 5.74 in the RR).
 - 2- The band (5900 - 5950) KHz is allocated to the fixed service and the land mobile service in Region 1 on a primary basis until 1 April 2007 then these services will be replaced by the broadcasting service (See footnote 5.136 in the RR).
 - 3- The radiodetermination-satellite service is added to the bands (1610 - 1626.5) MHz (Earth-to-Space) and (2483.5 - 2500) MHz (Space-to-Earth) in Region 1 on a secondary basis (See footnote 5.371 in the RR).
 - 4- The Fixed-satellite service is added to the band (11.7 - 12.2) GHz in Region 1 on a primary basis (See footnote 5.487A in the RR).

April 2004