



# ICAO Radio Frequency Handbook

## Chapter 7 - Statement of frequency allocation, technical details and ICAO policy (2)

### Section 7-1:

List of frequency bands in use for civil aviation

Band	Service	Allocation	Article 1.17 Sub-P
100–118 kHz	SONE	LEGAT C	7-13
*130–137 kHz	A30NE	NO Distress	7-19
3 450–33 000 kHz	A30P/C	For ground communication (VDF voice and data)	7-31
3 630 and 3 680 kHz	A30P/C	Search and rescue	7-41
74.8–75.3 MHz	A30NE	Mobile beacon	7-43
*100–117.975 MHz	A30NE A30P/C	VDF/PLC Intercom GBA/DVTS, Mobile	7-47
*117.975–137 MHz	A30P/C	For ground and a.e.a. communication (VDF voice and data)	7-59
121.5, 129.1 and 243 MHz	A30(P)C/ACD	Emergency frequency	7-67
120.8–133.4 MHz	A30NE	ILS glide path	7-69

# Radio Spectrum Handbook

**Huangqi Zhang**



## **Radio Spectrum Handbook:**

*Radio spectrum handbook* James M. Moore, 1970      *Spectrum Guide* Bennett Z. Kobb, 1995 The reference to wireless communications A directory of the U S airwaves by frequency bands including amateur astronomy aviation broadcasting cellular mobile maritime military radar satellite experimental services more Based on official Federal Communications Commission U S Dept of Commerce spectrum allocations with detailed narratives covering history commercial applications proposed new services Intended for electronics engineers producer planners regulators attorneys investors students of science technology Written with humor insight into the politicized allocation of scarce slots on the radio wave spectrum slots on the radio wave spectrum      Radio Spectrum Handbook James Maurice Moore, 1970      Handbook , 2005      **Handbook of Frequency Allocations and Spectrum Protection for Scientific Uses** National Research Council, Division on Engineering and Physical Sciences, Board on Physics and Astronomy, Committee on Radio Frequencies, Panel on Frequency Allocations and Spectrum Protection for Scientific Uses, 2007-04-29 The electromagnetic spectrum is a vital part of our environment Information encoded in the spectrum of radiation arriving at earth from the universe is the means by which we learn about its workings and origin Radiation collected from the Earth s land oceans biosphere and atmosphere provide us with much of the data needed to better understand this environment Wise use of the spectrum is necessary if we are to continue these advances in scientific understanding To help guide this effort the NSF and NASA asked the NRC to develop a set of principles for fostering effective allocation and protection of spectral bands for scientific research This handbook contains practical information in this connection including a description of regulatory bodies and issues a discussion of the relevant scientific background a list of science spectrum allocations in the United States and an analysis of spectrum protection issues      *Handbook of Frequency Allocations and Spectrum Protection for Scientific Uses* National Academies of Sciences, Engineering, and Medicine (U.S.). Panel on Frequency Allocations and Spectrum Protection for Scientific Uses, Committee on Radio Frequencies, Division on Engineering and Physical Sciences, Board on Physics and Astronomy, 2015 The electromagnetic spectrum is a vital part of our environment Measures of radio frequency emissions from natural phenomena enable both practical applications such as weather predictions and studies of the changing of Earth s climate here at home and reveal the physical properties of cosmic sources The spectrum is therefore a resource to be used wisely now and to be protected for future generations Handbook of Frequency Allocations and Spectrum Protection for Scientific Uses Second Edition sets forth the principles for the allocation and protection of spectral bands for services using the radio spectrum for scientific research This report describes the radio frequency bands used by scientific services and includes relevant regulatory information and discussion of scientific use of frequency bands This reference will guide spectrum managers and spectrum regulatory bodies on science issues and serve as a resource to scientists and other spectrum users

**Handbook of Frequency Allocations and Spectrum Protection for Scientific Uses** National Academies of Sciences,

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(Madjar),2016-07-05 This book presents the fundamentals of wireless communications and services explaining in detail what RF spectrum management is why it is important which are the authorities regulating the use of spectrum and how is it managed and enforced at the international regional and national levels The book offers insights to the engineering regulatory economic legal management policy making aspects involved Real world case studies are presented to depict the various approaches in different countries and valuable lessons are drawn The topics are addressed by engineers advocates and economists employed by national and international spectrum regulators The book is a tool that will allow the international regional and national regulators to better manage the RF spectrum and will help operators and suppliers of wireless communications to better understand their regulators

**Practical Rf Handbook, 3E** Ian Hickman,2009-01-01

Practical Radio Frequency Test and Measurement Joseph J. Carr,1999-10 RF circuits transmitters receivers antennas troubleshooting

**Telecommunications and Data Communications Handbook** Ray Horak,2012-11-19 For an accessible and comprehensive survey of telecommunications and data communications technologies and services consult the Telecommunications and Data Communications Handbook which includes information on origins evolution and meaningful contemporary applications Find discussions of technologies set in context with details on fiber optics cellular radio digital carrier systems TCP IP and the Internet Explore topics like Voice over Internet Protocol VoIP 802.16 Passive Optical Network PON 802.11g Multiple Input Multiple Output MIMO in this easily accessible guide without the burden of technical jargon

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