Australian radiofrequency spectrum allocations chart

he SPECTRUM is a The radiofrequency spectrum is a natural continuous range of electromagnetic radiation extending from the longest radio waves through infra-red, light, ultraviolet and X-rays to gamma-rays. The RADIOFREQUENCY SPECTRUM is that part of the total

spectrum which is used for

use depends on coordination among users in follows: order to minimise interference to each other. This chart graphically illustrates how the radio-frequency spectrum is allocated among services in Australia and is derived from the **HF** High Frequency Australian Radiofrequency Spectrum Plan VHF Very High Frequency (January 1999), which in turn is based on the International Telecommunication Union (ITU)

The radiofrequency spectrum is divided into Each of these bands is divided into sub-bands resource which is used but not consumed. It is several broad frequency bands for reference. which are used by particular services such as used by being occupied and the efficiency of its The ITU nomenclature for these bands is as land mobile radio, broadcasting, aeronautical, maritime or space services. The spectrum used by different services is shown in the chart by **VLF** Very Low Frequency different colours. 30-300 kHz **LF** Low Frequency MF Medium Frequency 300-3000 kHz The chart is designed for quick reference. For

details of frequency allocations, reference 3-30 MHz 30-300 MHz should be made to the Australian UHF Ultra-High Frequency 300-3000 MHz Radiofrequency Spectrum Plan, since fine SHF Super-High Frequency 3-30 GHz details and footnotes cannot be shown on this **EHF** Extremely-High Frequency 30-300 GHz chart.

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