

## DXBAND.TXT

### TUNING IN THE OVERLOOKED BAND 29.70 - 30.00 MHZ.

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Reprinted by John Johnson, K WV8BP

Small as it is, the band contains several discrete sub-bands. Base and Mobile systems throughout the world are allocated between 29.70 and 29.80 Mhz. In the U.S.A. only, the forest products industry (logging operations, paper mills etc.) may use this band on odd-numbered frequencies (20 Khz. spacing, NBFM mode). For example, the International Paper Co. bases throughout the southeastern states and in Texas are on 29.73 Mhz. Frequencies in this group are: 29.71, 29.73, 29.75, 29.77, and 29.79 Mhz.

In Canada, just about any business or local government operation can pop up on the even-numbered frequencies (20 Khz. NBFM mode). For instance, the Quebec Ministry of Public Works operates on 29.76 Mhz. (French language). Frequencies in this group are: 29.70, 29.72, 29.74, 29.76, and 29.78 Mhz.

The United Kingdom allocates frequencies in this band to tactical military communications (25 Khz. spacing AM mode) Some really HOT comm. can be monitored here , frequencies to check are: 29.70, 29.725, 29.75, 29.775, 29.80, 29.725, 29.85, 29.875, 29.90, 29.925, 29.95, and 29.975 Mhz.

Mexico has a string of half-duplex radio telephones in this band (15 Khz. spacing, NBFM mode). Operating at: 29.70, 29.715, 29.73, 29.745, 29.76, 29.775, and 29.79. The frequency 29.775 Mhz. sometimes runs parallel with 31.53 Mhz. 29.775 remains on the air several seconds after 31.53 Mhz. shuts down.

Other nations have their own special uses for the 29.70 to 29.80 Mhz. band. A full duplex mobile phone service operates on 29.74 Mhz. using Spanish. Its location is unknown. Theres a West Indies radio pager (English language) operating on 29.715 Mhz. The two way communications of business is San Luis, Argentina is heard on 29.76 Mhz. A displaced 10-meter ham band turned up on 29.74 Mhz. calling "CQ 10," and theres also an international "outbander" net on that frequency at times.

A taxi service in New York City bootlegs on 29.79 Mhz.

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The sub-bands 29.80 to 29.89, and 29.91 to 29.995 are known as International Fixed (point to point) Public bands. They're allocated for high powered ionospheric scatter telemetry between land station, or from land stations to aircraft. These stations run thousands to ten thousands of watts. Most of the power passes through the ionosphere and heads into space. A small amount though, is reflected off random patches of ionization in the E layer, resulting in skip distances between 450 and 1,500 miles. Even when the Muf (Maximum Usable Frequency) is below 29 Mhz., reliable communications on several non-voice channels (or one voice channel) are possible. These Channels are spaced at 10 Khz. intervals. They are: 29.81, 29.82, 29.83, 29.84, 29.85, 29.86, 29.87, 29.88, 29.92, 29.93, 29.94, 29.95, 29.96, 29.97, 29.98, and 29.99 Mhz.

It seems as if there are only four stations in the U.S. authorized here, all for press agencies. RCA Global Communications bases in New York City and San Francisco on both 29.96 and 29.97 Mhz. ITT World Communications has bases at the same locations on 29.84, 29.85, 29.87, 29.88, and 29.94 Mhz.

There are apparently some government contractors authorized to operate here, too.

The following is a log of some of the things to be heard on this band.

29.80	Soviet military (Cuba), clear and scrambled Non-voice signalling, AM.
29.805	Whistler-type radio phone (Mexico)
29.82	Non-voice signalling, AM radio phones, (Mexico)
29.825	Drug courier, full duplex, Spanish/English (Miami, FL)
29.835	Whistler-type radio phone, (Mexico)
29.84	Base/mobile business radio (Mexico)
29.845	Full duplex radio phone, Spanish (Mexico)
29.85	Military Op's, Spanish language (Central America)
29.86	Whistler type radio phones (Mexico)
29.875	Whistler type radio phones (Mexico)
29.88	Outbanders, Spanish language, AM
29.885	Full duplex radio phone, Spanish language
29.89	Whistler type radio phone (Mexico) Outbanders, Spanish Lan. AM
29.91	Outbanders, Spanish language, AM
29.92	Outbanders, Spansih language, AM Full duplex radio phone, Spanish lan
29.93	Full duplex radio phone, Spanish language. Outbanders, Spanish Lan.AM
29.94	Outbanders, Spanish language, AM
29.95	Soviet military (Cuba) clear and scrambled
29.96	Outbanders, Spanish language, AM
29.97	Outbanders, Spanish language, AM
29.98	Outbanders, English language, NBFM (California)

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29.995 Two-way business, Guatemala

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