

Rev_1_0 to rev_1_1 Changes:

Added to Table 3-6:

AM	1.0	48 kHz	960 Hz	
	5.0	240 kHz	960 Hz	
	9.0	432 kHz	960 Hz	
	10.0	480 kHz	960 Hz	

Added Section 5.4:

5.4 AM Mode

AM reception on the KX3 uses traditional envelope detection. You can also listen to AM stations, such as WWV, in sideband mode. A menu item, **AM MODE**, can be set to **OFF** if you do not wish to use or allow this mode. This removes the AM selection from the **MODE** menu.

The KX2's receiver sensitivity falls off pretty quickly below 2 MHz due to high-pass filtering in the T/R switch, so AM will be of use mostly in the SWL bands above 2 MHz. NR (noise reduction) and NB (noise blanking) work in AM mode. On very strong signals you may have better results with the preamp turned off. On a really noisy band, a combination of NR and NB is best. Receive bandwidth can be set as high as 5 kHz in AM mode. This is the demodulated voice bandwidth, not the IF bandwidth (i.e., **not** the full signal, with both sidebands).

When transmitting, the RF bar graph will show the full power output in AM mode, including the carrier and both sidebands. For example, if you set PWR to 10 W, on voice peaks in AM mode you'll see about 10 bars, assuming MIC gain is set adequately. However, AM is far less efficient than SSB.

Added to Menu Function List:

ALT MD	nor	CW	If set to nor , CW normal will be in effect on the present band. Set to ALT to use CW reverse mode instead (REV icon turns on). CW normal uses lower sideband (LSB) while CW reverse uses upper sideband (USB). This does not change your transmit frequency but can sometimes help reducing interfering signals. See <i>Reverse CW</i> , page 98.
		SSB	If set to nor the sideband normally used on the present band will be in effect. Lower sideband (LSB) is used on 160, 80, and 40 meters; USB is used on 60, 30, 20, 17, 12, and 10 meters. Setting to ALT switches to the other sideband for that band. See Table 7-1, page 98.
		DATA	DATA A and PSK D normally use USB while AFSK A and FSK D use LSB. ALT MD selects the other sideband for the current data submode and turns on the REV icon.
	ALT MD is set for each band. When ALT MD is assigned to the programmable function switch PFn , holding the switch toggles between nor and ALT on successive presses without remaining in the menu.		

AM MODE	On	If you are not planning to use AM, you can turn this OFF . You can still copy AM stations, such as WWV, in sideband mode.
----------------	-----------	--