

## SPECIFICATIONS

<b>General</b>	
Frequency Range	421~430MHz
Number of channels	Max. 5
Number of groups	Max. 5
Channel Spacing	25kHz (Wide) 12.5kHz (Narrow)
PLL Channel Stepping	5kHz, 6.25kHz
Operating Voltage	7.5 V DC $\pm$ 20%
Battery Life	More than 14 hours at 4 watts (5-5-90 duty cycle with KNB-29N battery) More than 9 hours at 4 watts (5-5-90 duty cycle with KNB-30A battery)
Operating Temperature range	-30°C to +60°C
Frequency Stability	$\pm$ 2.5ppm (-30°C to +60°C)
Channel Frequency Spread	30MHz
Dimensions and Weight Radio Only	54 (2-1/8) W x 122 (4-13/16) H x 21.1 (13/16) D mm (inches) 160g (0.35lbs)
With KNB-29N (1500mAh battery)	54 (2-1/8) W x 122 (4-13/16) H x 33 (1-5/16) D mm (inches) 360g (0.79lbs)
With KNB-30A (1100mAh battery) (Dimensions not including protrusions)	54 (2-1/8) W x 122 (4-13/16) H x 33 (1-5/16) D mm (inches) 340g (0.75lbs)
<b>Receiver</b> (Measurements made per TIA/EIA-603)	
Sensitivity	
EIA 12dB SINAD	0.25 $\mu$ V (Wide)/0.28 $\mu$ V (Narrow)
Selectivity .	70dB (Wide)/60dB (Narrow)
Intermodulation .	65dB (Wide)/60dB (Narrow)
Spurious response	60dB
Audio Power Output	500mW at 8 $\Omega$ less than 10% distortion
<b>Transmitter</b> (Measurements made per TIA/EIA-603)	
RF Power Output	4.5W
Spurious and Harmonics	65dB
Modulation	16K $\phi$ F3E (Wide)/11K $\phi$ F3E (Narrow)
FM Noise	45dB (Wide)/40dB (Narrow)
Audio Distortion	Less than 5%