

# KENWOOD

Listen to the Future



## Single Channel LTR<sup>®</sup>

Conventional Repeaters and Base Stations

These units are available in the following frequency bands: 800 MHz, 900 MHz, UHF and VHF MHz repeaters and base stations and low band base stations. Choose from the following mounting configurations: Standard 7' equipment racks or high quality locking equipment cabinets in 42" (20U) or 77" (40U). Available in LTR<sup>®</sup>, CTCSS, DCS repeater control, conventional repeaters and simplex stations are available with tone or DC remote control. A full line of duplexers/combiners is also available.

LTR<sup>®</sup> is a registered trademark of E.F. Johnson Company.



- **Kenwood reliable, high performance repeaters with 100% continuous duty cycle**

Configuration of cabinet may vary.

# Repeater Specifications

	TKR - 9300S	TKR - 9301S	
<b>GENERAL</b>			
Frequency Range	RX: 806.0125 ~ 820.9875 MHz TX: 851.0125 ~ 865.9875 MHz	RX: 896.0125 ~ 900.9875 MHz TX: 935.0125 ~ 939.9875 MHz	
Number of Channels	1	1	
Channel Spacing	25 kHz (PLL step: 12.5 kHz)	12.5 kHz (PLL step: 12.5 kHz)	
Input Voltage	115/230 VAC, 47–63Hz	115/230 VAC, 47–63Hz	
Duty Cycle	100%	100%	
<b>RECEIVER</b>			
Sensitivity (EIA 12 dB SINAD)	0.3 µV	0.3 µV	
Selectivity	-75 dB	-70 dB	
Modulation Acceptance	± 7 kHz	± 3.5 kHz	
Spurious and image rejection	-85 dB	-80 dB	
Intermodulation	-70 dB	-70 dB	
Frequency Stability	± 0.00015%	± 0.00001%	
<b>TRANSMITTER</b>			
RF Power Output	30, 80, 130 Watts	130 Watts	
Frequency Stability	± 0.00015%	± 0.00001%	
RF Output Impedance	50 Ω	50	
Modulation	16KOF1D, 16KOF3E	11KOF1D, 11KOF3E	
Audio Distortion	Less than 2%	Less than 5%	

# Base Station Specifications

	TK-6900S
<b>GENERAL</b>	
Frequency Range	
Type 1	29.7 ~ 37.0 MHz
Type 2	35.0 ~ 43.0 MHz
Type 3	40.0 ~ 50.0 MHz
Number of Channels	160
Channel Spacing	
Wide	20 kHz (PLL step: 5 kHz)
Narrow	
Input Voltage	115/230 VAC, 47 ~ 63Hz
Duty Cycle	100%
<b>RECEIVER</b>	
Sensitivity	
12db Sinad	0.25 µV
20db Quieting	0.35 µV
Selectivity	
Wide	85 dB
Narrow	
Spurious Response	90 dB
Audio output	13 watt at 4 Ohm
Band Spread	
Type 1	7.3 MHz
Type 2	8 MHz
Type 3	10.0 MHz

	TK-6900S
<b>TRANSMITTER</b>	
RF Power Output	100 W
Type of emission:	
Wide	16KOF3E
Narrow	
Spurious Response	80 dB
FM hum and noise	
Wide	55 dB
Narrow	
Audio Distortion	< 2% at 1000 Hz
Band Spread	
Type 1	7.3 MHz
Type 2	8.0 MHz
Type 3	10.0 MHz

*Kenwood follows a policy of continuous advancement in development. For this reason specifications may be changed without notice.*

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