

# S Series

*Professional Base Stations and Repeaters*

## SMX 920/SMX 921 Desktop and Rack Mount Stations

- >Low Power Consumption
- >Continuous Duty
- >Flex·Mode™
- >Built-In Test Equipment
- >Plug and Play



### Available Frequency Ranges

148-174 Mhz	350-385 Mhz
400-435 MHz	435-470 Mhz
450-485 MHz	485-520 MHz

More Radio for  
Your Dollar

Rock-Solid Reliability

Easy to Use,  
Easy to Customize

**RELM/BK**

# SMX 920/SMX 921

## Desktop and Rack Mount Stations

	SMX 920	SMX 921
Channel Spacing	Programmable 25kHz / 12.5 kHz	
Synthesizer Step Size	6.25kHz or 5kHz auto select	
Channels	100 front panel selectable, 255 PC software selectable	
Supply Voltage	13.8 +/- 20% or optional AC main input	13.8 +/- 20%
DC Power Consumption	<250 mA RX	<59 mA RX
	<10A @ 50W TX	<850mA @2W TX <5.5A @25W TX <10A @50W TX
Operating Temperature	-30 to +60C	
<b>Transmitter</b>		
RF Power Output	1W to 50W	1W to 50W or 0.1 to 2W
Frequency Stability	1.5PPM for -10 to 60C, 2.5PPM for -30 to -10C	
< 300MHz	2.5PPM for -10 to 60C, 5PPM for -30 to -10C	
S/N Ratio	> 46dB (WB)/> 42dB (NB)	> 50dB (WB)/> 44dB (NB)
Conducted Spurious	> -90dBc	
RF Rise Time	<10mS with continuous VCO <200mS in cold standby	<50mS in cold standby
<b>Receiver</b>		
Sensitivity @ 12dB	< -117dBm	< -120dBm
Selectivity 135-520MHz	>85dB for 25kHz adj channel > 75dB for 12.5kHz adj channel	
Image Freq Rejection	> 100dB	
Spurious Response	> 80dB	> 85dB
Intermodulation	> 80dB	> 82dB.
Frequency Stability	1.5PPM for -10 to 60C/2.5PPM for -30 to -10C	
S/N Ratio	> 46dB (WB)/> 40dB (NB)	> 50dB (WB)/> 44dB (NB)
Receiver Audio Power	3 Watts nominal, 5 Watts peak	1 Watt.

Specifications subject to change without notice



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