

Document for FCC

Model Name: VX-900V / VX-600V

Type	FCC ID	Serial number
A, 134-160MHz	K66VX-900V-2	1D040962

EQUIPMENT SPECIFICATION DECLARED BY THE APPLICANT

Model Name	: VX-900V / VX-600V		
FCC ID	: K66VX-900V-2		
Specification is Referenced	: EIA/TIA-603		
Emission Type	: 16K0F3E / 11K0F3E		
Channel Spacing	: 25 / 12.5		[kHz]
Description	: Portable		
Mode	: FM		
Frequency Range	A	TX	: 134-160 [MHz]
		RX	: 134-160 [MHz]
Rated RF Power	HIGH	: 5 [W]	
	LOW	: 2.5/1/0.25(Selectable) [W]	
Maximum Power Rating	: 300		[W]
Power Supply Voltage	DC	: 7.4 [V]	
Collector Voltage	: 7.4		[V]
Collector Current	: 1.3		[A]

VX-900V VX-600V Specifications

General

Frequency Range:	134-160 MHz 148-174 MHz
Number of Channels:	512 channels
Channel Spacing:	12.5/25/30 kHz
Battery Voltage:	7.4 V DC
Temperature Range:	-30 °C to +60 °C
Case Size (W x H x D):	59 x 155 x 34 mm w/FNB-V68LI
Weight (approx.):	420 grams with FNB-V68LI, antenna, and belt clip

RECEIVER

Circuit Type:	Double-conversion super-heterodyne
IFs:	22.05 MHz & 450 kHz
12-dB SINAD Sensitivity:	< 0.25 μ V
Squelch Sensitivity:	< 0.25 μ V
Selectivity:	> 75 dB (25kHz) / 70dB (12.5kHz)
Intermodulation:	> 75 dB (25kHz) / 68dB (12.5kHz)
Spurious Rejection:	> 75 dB
Image Rejection:	> 75 dB
AF Output:	0.5 W @ 16 Ω , 3 % THD (BTL output)

TRANSMITTER

Power Output:	5.0 / 2.5 / 1.0 / 0.25 W (Selectable)
Frequency Stability:	better than \pm 2.5 ppm
Modulation System:	Direct FM
Maximum Deviation:	\pm 5 kHz (25 kHz) / \pm 2.5 kHz (12.5 kHz)
FM Noise:	> 45 dB (25 kHz) / > 40 dB (12.5 kHz)
Spurious Emission:	> 70 dB below carrier
AF Distortion (@ 1 kHz):	< 3 %
Microphone Type:	2-k Ω condenser