

Document for FCC

Model Name: VX-160V / VX-180V

Type	FCC ID	Serial number
C, 146-174MHz	K66VX-160V	1C000001

EQUIPMENT SPECIFICATION DECLARED BY THE APPLICANT

Model Name	: VX-160V / VX-180V		
FCC ID	: K66VX-160V		
Specification is Referenced	: EIA/TIA-603		
Emission Type	: 16K0F3E / 11K0F3E		
Channel Spacing	: 25 / 12.5		[kHz]
Description	: Portable		
Mode	: FM		
Frequency Range	C	TX	: 146-174 [MHz]
		RX	: 146-174 [MHz]
Rated RF Power	HIGH	: 5 [W]	
	LOW	: 1 [W]	
Maximum Power Rating	: 300		[W]
Power Supply Voltage	DC	: 7.2 [V]	
Collector Voltage	: 7.2		[V]
Collector Current	: 1.6		[A]

VX-160V VX-180V Specifications

General

Frequency Range:	146-174 MHz
Number of Channels:	16 channels
Channel Spacing:	12.5/25/30 kHz
Battery Voltage:	7.2 VDC
Temperature Range:	-30 °C to +60 °C
Case Size (W x H x D):	2.3 x 4.7 x 1.2 inches with FNB-64 (58 x 120 x 31 mm with FNB-64)
Weight (approx.):	12.9 lb (365 grams) with FNB-64, antenna, and belt clip

Receiver

Circuit Type:	Double-conversion superheterodyne
IFs:	44.25 MHz & 450 kHz
12-dB SINAD Sensitivity:	< 0.2 μ V
Squelch Sensitivity:	< 0.25 μ V
Selectivity:	> 60 dB
Intermodulation:	> 60 dB
Spurious Rejection:	> 60 dB
Image Rejection:	> 60 dB
AF Output:	0.5 W @ 4 Ω , 5 % THD

Transmitter

Power Output:	5.0/1.0 W (Selectable)
Frequency Stability:	better than \pm 2.5 ppm
Modulation System:	Direct FM
Maximum Deviation:	\pm 2.5 kHz (12.5 kHz)/ \pm 5 kHz (25 kHz)
FM Noise:	> 35 dB (12.5 kHz)/> 40 dB (25 kHz)
Spurious Emission:	> 60 dB below carrier
AF Distortion (@ 1 kHz):	< 5 %
Microphone Type:	2-k Ω condenser