

# 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

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

### Receiver

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

### Transmitter

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