

Document for FCC

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

Type	FCC ID	Serial number
D, 450-485MHz	K66VX-160U	1C004501

EQUIPMENT SPECIFICATION DECLARED BY THE APPLICANT

Model Name	: VX-160U / VX-180U		
FCC ID	: K66VX-160U		
Specification is Referenced	: EIA/TIA-603		
Emission Type	: 16K0F3E / 11K0F3E		
Channel Spacing	: 25 / 12.5		[kHz]
Description	: Portable		
Mode	: FM		
Frequency Range	D	TX	: 450-485 [MHz]
		RX	: 450-485 [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	: 1.7		[A]

VX-160U VX-180U Specifications

General

Frequency range		450-485MHz
Number of Channel		16channels
Channel spacing:		12.5/25/30 kHz
Emission type:		16K0F3E / 11K0F3E
Power supply voltage	(Rated):	7.2V DC
Temperature range:		-30 to +60 °C
Case size	(W x H x D):	58 x 120 x 31 mm w/FNB-64
Weight	(Approx.):	365grams w/FNB-64, Antenna, & Belt clip

Receiver

Circuit type:		Double-conversion superheterodyne
I _{fs}	(1 st):	44.25MHz
	(2 nd):	450KHz
12dB SINAD Sensitivity		0.2uV
Adjacent channel selectivity:		60 dB
Intermodulation:		60 dB
Spurious rejection:		60 dB
Speaker impedance:		16 ohms
AF Output	(@ 4 ohms, 5% THD)	0.5W

Transmitter

Power Output	(High):	5 W
	(Low):	1 W
Frequency stability:		+/- 2.5ppm
Modulation system:		Direct FM
Maximum deviation:		5 / 2.5KHz
FM Noise:		better than 40 / 35dB
Spurious emissions:		better than 60dB
AF distortion	(@ 1KHz)	5%
Microphone type:		Condenser
Microphone impedance:		2Kohms