

Document for FCC

Model Name: VX-800U

Type	FCC ID	Serial number
AS1, 400-430MHz	K66VX-800U-2	0C020110

EQUIPMENT SPECIFICATION DECLARED BY THE APPLICANT

Model Name			: VX-800U	
FCC ID			: K66VX-800U-2	

Specification is Referenced			: EIA/TIA-603	
Emission Type			: 16K0F3E / 11K0F3E	
Channel Spacing			: 25 / 12.5	[KHz]
Description			: Portable	
Mode			: FM	
Frequency Range	AS1	TX	: 400-430	[MHz]
		RX	: 400-430	[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			: 1.4	[A]

VX-800U Specifications

General

Frequency range	(TX):	AS1: 400-430MHz D: 450-485MHz
	(RX):	AS1: 400-430MHz D: 450-485MHz
Channel spacing:		25 / 12.5KHz
Emission type:		16K0F3E / 11K0F3E
Power supply voltage	(Rated):	7.2V DC
	(Range):	
Current consumption	(Standby, Saver ON):	16mA
	(RX @ 7.2V, Squelched):	50mA
	(RX @ 7.2V, 0.5W AF):	220mA
	(TX @ 5W):	1.8A
Temperature range:		-30 to +60 degree
Case size	(W x H x D):	61x111x37mm
Weight	(Approx):	340g

Receiver

Circuit type:		Double-conversion superheterodyne
I _{fs}	(1 st):	44.25MHz
	(2 nd):	450KHz
12dB SINAD Sensitivity		0.2uV
Adjacent channel selectivity:		70dB
Intermodulation:		70dB
Spurious rejection:		70dB
Speaker impedance:		16 ohms
AF Output	(@ 16 ohms, 5% THD)	0.5W (BTL output)

Transmitter

Power Output	(High):	5W
	(Low):	1W
Frequency stability:		+/- 2.5ppm
Modulation system:		Variable reactance
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