

Document for FCC

Model Name: VX-6000U

Type	FCC ID	Serial number
D, 450-480MHz	K66VX-6000U	1H000002

EQUIPMENT SPECIFICATION DECLARED BY THE APPLICANT

Model Name	: VX-6000U	
FCC ID	: K66VX-6000U	
Specification is Referenced	: EIA/TIA-603	
Emission Type	: 16K0F3E / 11K0F3E	
Channel Spacing	: 25 / 12.5	[kHz]
Description	: Mobile	
Mode	: FM	
Frequency Range	D TX	: 450-480 [MHz]
	RX	: 450-480 [MHz]
Rated RF Power	HIGH	: 100 [W]
	LOW	: 50 [W]
Maximum Power Rating	: 300	[W]
Power Supply Voltage	DC	: 13.4 [V]
Collector Voltage	: 13.4	[V]
Collector Current	: 28	[A]

VX-6000U Specifications

General

Frequency range	(TX):	D: 450-480MHz
	(RX):	D: 450-480MHz
Number of Channel		250channels
Channel spacing:		25/12.5 kHz
Emission type:		16K0F3E / 11K0F3E
Power supply voltage	(Rated):	13.4V DC
Current consumption	(RX @ 7.2V, 0.5W AF):	1.4A
	(TX @ 100W):	28A
Temperature range:		-30 to +60 degree
Case size	(W x H x D):	290.8 x 60 x 178 mm
Weight	(Approx.):	4.1kg

Receiver

Circuit type:		Double-conversion superheterodyne
I _{fs}	(1 st):	43.95MHz
	(2 nd):	450KHz
12dB SINAD Sensitivity		0.25uV
Adjacent channel selectivity:		85(25k)/77(12.5k) dB
Intermodulation:		80 dB
Spurious rejection:		90 dB
Speaker impedance:		4 ohms
AF Output	(@ 4 ohms, 5% THD)	12W

Transmitter

Power Output	(High):	100W
	(Low):	50W
Frequency stability:		+/- 2.5ppm
Modulation system:		Variable reactance
Maximum deviation:		5 / 2.5KHz
FM Noise:		better than 45 / 40dB
Spurious emissions:		better than 70dB
AF distortion	(@ 1KHz)	5%
Microphone type:		Dynamic
Microphone impedance:		600 ohms