

Documant for FCC

Model Name : HX460S

Type	FCC ID	Serial Number
USA , 156.05-157.425 MHz	K66HX460S	0K001501

EQUIPMENT SPECIFICATION DECLARED BY THE APPLICANT

Model Name	: HX460S		
FCC ID	: K66HX460S		
Specification is Referenced	: EIA/TIA-603		
Emission Type	: 16K0F3E		
Channel Spacing	: 25		[kHz]
Description	: Portable		
Mode	: FM		
Frequency Range	USA	TX	: 156.05-157.425 [MHz]
		RX	: 156.05-163.275 [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]

HX460S Specification

General

Frequency Ranges (MHz):	TX: 156.025-157.425 MHz RX: 156.05-163.275 MHz
Channel Spacing:	25 kHz
Frequency Stability:	±5 ppm(-10 °C to +60 °C)
Emission Type:	F3
Antenna Impedance:	50 Ω
Supply Voltage:	Nominal: 7.2 V DC, Negative Ground Operating: 6-16 V, Negative Ground (EXT DC JACK)
Current Consumption:	190 mA (Receive) 45 mA (Standby, Saver Off) 20 mA (Standby, Saver On) 1.6 A / 0.9A / 0.6A (High / Mid / Low)
Operating Temperature:	-20 °C to +60 °C
Case Size:	60 (W) x 96 (H) x 29 (D) mm (W/O knob & antenna)
Weight:	*** g With FNB-58LI & antenna

Transmitter

RF Power Output:	5 W (@7.2 V & 13.8 V EXT DC IN)
Modulation Type:	Variable Reactance
Maximum Deviation:	±5 kHz
Spurious Emission:	At least 65 dB below
Microphone Impedance:	2 kΩ

Receiver

Circuit Type:	Double-Conversion Superheterodyne
Intermediate Frequencies:	1 st : 21.7 MHz 2 nd : 450 kHz
Sensitivity:	0.2 μV for 12 dB SINAD
Adjacent Channel Selectivity:	70 dB
Intermodulation:	70 dB
Selectivity:	12 kHz / 25 kHz (-6 dB / -60 dB)
AF Output:	400 mW (@8 Ω for 10% THD, 7.2 V) 500 mW (@8 Ω for 10% THD, 13.8V)