

Document for Industry Canada

Model Name: VX-3200V-2

Type	Serial number
A, 134-165 MHz	2N000010

EQUIPMENT SPECIFICATION DECLARED BY THE APPLICANT

Model Name	: VX-3200V-2		
Specification is Referenced	: RSS-119		
Emission Type	: 16K0F3E / 11K0F3E		
Channel Spacing	: 25 / 12.5		[KHz]
Description	: Mobile		
Mode	: FM		
Frequency Range	A	TX : 134-165	[MHz]
		RX : 134-165	[MHz]
Rated RF Power	HIGH	: 50	[W]
	LOW	: 5	[W]
Maximum Power Rating		: 300	[W]
Power Supply Voltage	DC	: 13.6	[V]
Collector Voltage		: 13.6	[V]
Collector Current		: 9.8	[A]

VX-3200V Specifications

General

Frequency range	(Type A):	134-165 MHz
	(Type C):	148-174 MHz
Number of Groups		32
Number of Channel		250 channels
Channel spacing:		25 / 12.5 KHz
Emission type:		16K0F3E / 11K0F3E
Power supply voltage	(Rated):	13.8 V DC
Current consumption	(RX @ 13.8 V, 4 W AF):	500 mA
	(TX @ 45 W):	10 A
Temperature range:		-30 to +60 °C
Case size	(W x H x D):	160 x 40 x 170 mm
Weight	(Approx.):	1.4 Kg

Receiver

Circuit type:		Double-conversion superheterodyne
I _{fs}	(1 st):	44.25 MHz
	(2 nd):	450 KHz
12dB SINAD Sensitivity		0.25 µV
Adjacent channel selectivity:		85(25K) / 70(12.5K) dB
Intermodulation:		80 dB
Spurious rejection:		90 dB
Speaker impedance:		4 Ω
AF Output	(@ 4 Ω, 10 % THD)	4 W

Transmitter

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