

THRU Lab & Engineering.

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GENERAL INFORMATION

2.1033(c) MIDLAND RADIO CORPORATION will sell the FCC ID: MMANT3 VHF Marine transmitter in quantity, for use under FCC RULES PART 80.

TECHNICAL DESCRIPTION

2.1033(c)

(4) Type of Emission: 14K8G3E/14K8F3E
Bn = 2M + 2DK
M = 3000
D = 4.6KHz (Peak Deviation)
K = 1
Bn = 2(3.0K) + 2(4.6K)(1) = 14.8K

80.205 (a) ALLOWED AUTHORIZED BANDWIDTH = 20.00KHz.

2.1033(c)(6) Frequency Range: 156.025 – 157.425 MHz

2.1033(c)(7) Power Range and Controls: There is a user Power switch for High/Low Power. Maximum Output Power Rating: High 4.3 Watts, Low 0.68 Watt (16 CH), High 4.3 Watts, Low 0.68 Watt(88A CH) into a 50 ohm resistive load.

2.1033(c)(8) DC Voltages and Current into Final Amplifier:

POWER INPUT

FINAL AMPLIFIER ONLY

High

Low

Vce = 6 VDC

Vce = 6 VDC

Ice = 0.905A

Ice = 0.35A

Pin = 5.43Watts

Pin = 2.1 Watts

4

Function of each electron tube or semiconductor device or other active circuit device is included in the parts list exhibit.

2.1033(c)(9) Complete Circuit Diagrams: The circuit diagrams and block diagrams are included.

2.1033(c)(10) Instruction book. The instruction manual is included.

2.1033(c)(11) Tune-up procedure. The tune-up procedure is included.

2.1033(c)(9) Complete Circuit Diagrams: The circuit diagrams and block diagrams are included.

2.1033(c)(10) Instruction book. The instruction manual is included.

APPLICANT: Midland Radio Corporation

FCCID #: MMANT3

REPORT #: THRU-612002

4 of 23