

VHF Marine Transceiver - IC-M72 (FCC ID: AFJ290500)

FCC power thresholds:

f_{GHz}	900/f Face-held controlled d \geq 2.5 cm
0.156	5,769 mW
0.15	6,000 mW

1. $900/f$ = face-held controlled
2. d is the distance to a person's body.

No evaluation required if power is below this threshold:

f_{GHz}	P_{out}
0.156	5,769 mW (or 11,538 mW with 50% duty cycle)

RF conducted peak power measured = 5,750 mW
User-based time-average factor = 50 % = 0.5
Antenna Gain = -14.5 dBi

Threshold for no SAR evaluation is 5,769 mW
Transmitter power is $867.0\text{mW} \times 0.5 = 2,875 \text{ mW}$.
Conclusion: No SAR evaluation required since Transmitter Power is below FCC power thresholds

Distance from the antenna with the thinnest belt-clip (M/N: MB-103) mounted



Antenna Information

M/N: FA-S64V

Manufacturer: ICOM

Gain: -14.5 dBi

Type: Helical antenna

Frequency range: 156 – 164 MHz

Remark: The above information had been provided by the manufacturer