

VHF Transceiver - IC-F50V (FCC ID: AFJ306000)

FCC power thresholds:

f_{GHz}	900/f Face-held controlled d \geq 2.5 cm
0.155	5,806 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}
0.155	5,806 mW (or 11,613 mW with 50% duty cycle)

RF conducted peak power measured = 5,407 mW
User-based time-average factor = 50 % = 0.5
Antenna Gain = -15.37 dBi

Threshold for no SAR evaluation is 5,806 mW
Transmitter power is 5,407 mW X 0.5 = 2,703 mW.
Conclusion: No SAR evaluation required since Transmitter Power is below FCC power thresholds

Pic.#1 Distance from the antenna with the thinnest belt-clip (M/N: MB-98) mounted



Antenna Information

M/N: FA-S59V

Manufacturer: ICOM

Gain: -15.37 dBi

Type: Helical whip antenna

Remark: The above information had been provided by the manufacturer