

**VHF Transceiver - IC-F3021T/S (FCC ID: AFJ292600)****FCC power thresholds:**

$f_{GHz}$	<b>900/f</b> <b>Face-held controlled</b> <b><math>d \geq 2.5 \text{ cm}</math></b>
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 = 5,050 mW

User-based time-average factor = 50 % = 0.5

Highest Antenna Gain = -2.5 dBi

Threshold for no SAR evaluation is 5,806 mW

Transmitter power is  $5,050 \text{ mW} \times 0.5 = 2,525 \text{ mW}$ .

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-94) mounted



Antenna Information

#1)

M/N: FA-SC25V-1

Manufacturer: ICOM

Gain: -2.5 dBi

Type: Helical antenna

Frequency range: 136 – 150 MHz

#2)

M/N: FA-SC55V-1

Manufacturer: ICOM

Gain: -4.5 dBi

Type: Helical antenna

Frequency range: 150 – 174 MHz

Remark: The above information had been provided by the manufacturer