

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

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 = 5,050 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 mW X 0.5 = 2,525 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