

VHF Air Band Transceiver - IC-A14, IC-A14S (FCC ID: AFJ307400)

FCC power thresholds:

f_{GHz}	900 / f Face-held controlled d >= 2.5 cm
0.1285	7,000 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}
0.1285	7,000 mW

RF conducted mean power measured = 1,469 mW
Crest Factor (PEP/CW) = $5.0 \text{ W} / 1.5 \text{ W} = 3.333$
User-based time-average factor = 50 % = 0.5
Antenna Gain = -1.5 dB

Threshold for no SAR evaluation is 7,000 mW
Transmitter peak power is $1,469 \text{ mW} \times 3.333 \times 0.5 = 2,448 \text{ mW}$.
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

M/N: FA-B02AR

Manufacturer: ICOM

Gain: -1.5 dB

Type: $\frac{1}{4}$ wave whip antenna

Remark: The above information had been provided by the manufacturer