

FCC power thresholds:

| f_{GHz} | 375/f body-worn controlled d < 2.5 cm | 900/f Face-held controlled d ≥ 2.5 cm |
|------------------|---|---|
| 0.1563 | 2399mW | 5758mW |
| 0.15 | 2500mW | 6000mW |

1. 375/f = body-worn controlled, source-based time-averaged output
2. d is the distance to a person's body.

No evaluation required if power is below this threshold:

| f_{GHz} | P_{out} |
|------------------|------------------|
| 0.1563 | 33.8dBm |

Antenna Info

ICOM helical antennal (M/N: FA-S61V, 150 ~ 174 MHz, Gain: -4.67dBi)

Maximum measured average transmitter power:

| | |
|--|---------------------------|
| P_{peak} (HP 436A + HP 8481A Power Sensor) | 33.3 dBm |
| $\text{Duty_Cycle}_{\text{measured}}$ | 50% = -3dB (PTT-device) |
| $P_{\text{avg_calculated}} (P_{\text{peak}} \times \text{Duty_Cycle}_{\text{measured}})$ | 33.3 dBm – 3dB = 30.3 dBm |

Threshold for no SAR evaluation is 33.8dBm

Transmitter power is 30.3dBm

Conclusion: No SAR evaluation required since Transmitter P_{out} is below FCC power thresholds