FCC ID: U72RVG00002

The device is in mobile exposure category (separation distance d > 20cm).

It includes 2 radios that can transmit at the same time.

Radio 1: WiFi (802.11g)
Conducted output power: 16.30dBm
Antenna gain: 1.5dBi
Power density at 20cm: 0.012mW/cm2
Power density limit: 1 mW/cm2

Radio 2: RFID reader 13.56MHz
EIRP: -47.2dBm (based on fundamental field strength conversion)
Power density at 20cm: 0.000001mW/cm2
Power density limit: Per 1.1310 Table1, 180/f2 (f in MHz)
0.9789 mW/cm2

If

$[Pd(1) / LPd(1)] + [Pd(2) / LPd(2)] + ….. + [Pd(n) / LPd(n)] < 1,$

then device complies with FCC's RF radiation exposure limit for general population for a mobile device.

Where;

Pd(n) = Power density of n^{th} transmitter at 20cm
LPd(n) = Power density limit for the n^{th} transmitter

$0.012/1 + 0.000001/0.9789 = 0.012 < 1$

Therefore device complies with FCC's RF radiation exposure limit for general population in mobile exposure category (separation distance d > 20cm).