APPENDIX A (DECLARATION OF COMPLIANCE TO MAXIMUM PERMISSIBLE EXPOSURE LIMITS FOR HUMANS)

The Model U9W30X with 5150-5850MHz transmitter complies with Maximum permissible exposure limits for humans as called out in §1.1310. It is exempt from Maximum Permissible Exposure based on its operating frequency, and power density 0.004mW/cm^2.

Calculation formula :

$$S = PG / 4\pi D^2$$

S : power density (W/m^2)
P : peak output power (W)
G: antenna gain (isotropic)
D: measurement distance (m)

Where :
P = 12.72dBm at 5240 MHz, 11a
G= -0.1dBi
D= 0.2m

Therefore :

$$S(W/m^2) = \frac{10^{\frac{12.72}{10}} \times 10^{-3} \times 10^{\frac{-0.1}{10}}}{4 \times \pi \times 0.2 \times 0.2} = 0.036$$

S≒0.004 (mW/cm^2)

This would be less than 1mW/cm^2 when the separation distance between the user and the device's radiating element is less than 20cm.