US Tech Client Issue Date Model: FCC ID: 11-0055 Armor Safe Technologies April 1, 2011 Cache System 7102 ZLB-ASTCSYS500

Maximum Public Exposure to RF (MPE)

The maximum exposure level to the public from the RF power of the EUT shall not exceed a power density, **S**, of 0.98 mW/cm² at a distance, d, of 20 cm from the EUT.

EUT Antenna= 1 dBi

Peak Power (Watts) = 0.000002m (from Table 5 of Test Report) Gain of Transmit Antenna = $0 dB_i = 1.0$, numeric (from Table 3 of Test Report)

d = Distance = 20 cm = 0.20 m

 $\mathbf{S} = (PG/4\pi d^2) = EIRP/4A = 0.000002m (1.0)/4*\pi*0.20*0.20$ = 0.000002m/0.502 = 3.98nW/m² = (W/m²) (1m²/W) (0.1 mW/cm²) = 0.0398nW/cm²

which is << less than 0.98 mW/cm²