


EXHIBIT 4 – RF EXPOSURE (MPE) REPORT

Prediction of MPE Limit 47 CFR § 2.1091/ § 2.1093	
$S_{20} = \frac{P_A G_N}{4\pi R_{20}^2}$	$S_C = \frac{P_A G_N}{4\pi R_C^2}$
$R_C = \sqrt{\frac{P_A G_N}{4\pi S_L}}$	
$S_L = \frac{180}{f^2} \text{ (mW/cm}^2\text{)}$	
<p> S₂₀ = Power Density of the Device at 20cm S_L = Power Density Limit S_C = Power Density of the Device at the Compliance Distance R_C R₂₀ = 20cm R_C = Minimum Distance to the Radiating Element to Meet Compliance P_T = Power Input to Antenna P_A = Adjust Power G_N = Numeric Gain of the Antenna f = Transmit Frequency </p>	
<p>Transmit Duty Cycle = 100%</p>	
<p>Use Group = General Population</p>	
Transmit Duty Cycle:	100.00 (%)
Tx Frequency (f):	219.00 (MHz)
RF Power at Antenna Input Port (P _T):	5000.00 (mW)
Antenna Gain:	15.00 (dBi)
Numeric Antenna Gain (G _N):	31.62 (numeric)
Cable or Other Loss:	0.00 (dB)
Duty Cycle/Loss Adjusted Power (P _A):	5000.00 (mW)
S _L =	0.200 (mW/cm ²)
S ₂₀ at 20cm =	31.456 (mW/cm ²)
R _C =	250.8 (cm)
S _C =	0.20 (mW/cm ²)
User's Manual must indicate a minimum separation distance of:	
<div style="border: 1px solid black; display: inline-block; padding: 2px 10px;">251cm</div>	
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**** NOTE: See Section 7.0 regarding antenna gain ****