

**EXHIBIT 9 – FCC RF EXPOSURE EVALUATION**

**See Attached**

**Prediction of MPE Limit  
47 CFR § 2.1091/ § 2.1093**

$$S_{20} = \frac{P_A G_N}{4\pi R_{20}^2}$$

$$S_C = \frac{P_A G_N}{4\pi R_C^2}$$

$$R_C = \sqrt{\frac{P_A G_N}{4\pi S_L}}$$

$$S_L = \frac{1}{\text{(mW/cm}^2\text{)}}$$

$S_{20}$  = Power Density of the Device at 20cm

$S_L$  = Power Density Limit

$S_C$  = Power Density of the Device at the Compliance Distance  $R_C$

$R_{20}$  = 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

**Transmit Duty Cycle = 100%**

**Use Group = General Population**

Transmit Duty Cycle:	100.00	(%)
Tx Frequency (f):	2405.00	(MHz)
RF Power at Antenna Input Port ( $P_T$ ):	58.00	(mW)
Antenna Gain:	8.00	(dBi)
Numeric Antenna Gain ( $G_N$ ):	6.31	(numeric)
Cable or Other Loss:	0.00	(dB)
Duty Cycle/Loss Adjusted Power ( $P_A$ ):	58.00	(mW)

$S_L$ =	1.000	(mW/cm <sup>2</sup> )
$S_{20}$ at 20cm =	0.073	(mW/cm <sup>2</sup> )
$R_C$ =	5.4	(cm)
$S_C$ =	1.00	(mW/cm <sup>2</sup> )

RESULT **PASS**

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