# A04438 RF Exposure Exhibit

## RSS-102 Issue 5 / 47 CFR 1.1310

## ANT (and simultaneous MPE Calculation)

	HVIN	A04438		Test Number:	240304			
MPE Calculator			TX power added to the antenna gai					
	dBi = dB gain compared to a	n isotropic radiator						
	S = power density in mW/cm							
		nsmitter Output power (mW)	1.8					
		ransmitter Output power (W)						
Output Power for 100	% duty Cycle operation (Watts)	100			Antenna Gain (dBi)	3.28		
	Output Power for 0.417%	duty Cycle operation (Watts)	0.0018	Anter	nna Gain (Numeric)	2.13		
x Frequency (MHz)	2402	Calcualtion power (Watts)	0.0018	dBd + 2.17 = dBi	dBi to dBd	2.2		
			2.46		Antenna Gain (dBd)	1.11		
Cable Loss (dB)	0.0	Adjusted Power (dBm)		Antenna minus cable (dBi)		3.28		
	Colorleted EDD (www) 2.225			Antenna Gain (Numeric) EIRP = Po(dBM) + Gain (dB)		2.13		
	Calculated ERP (mw) 2.275 Calculated EIRP (mw) 3.750			Radiated (EIRP) dBm  ERP = EIRP - 2.17		5.740		
	EIRP			Radiated (ERP) dBm		3.570		
	Power density (S) mW/cr	m <sup>2</sup> = 4 p r^2						
		4 p1 2						
	r (cm) EIRP (mW)							
				. 11210				
	Occupational Limit		dio frequency radiation exposure lim					
5	mW/cm <sup>2</sup>	Frequency (MHz)	Occupational Limit (mW/cm <sup>2</sup> )	Public Limit (mW/cm <sup>2</sup> )				
50	W/m <sup>2</sup>	30-300	1	0.2				
	General Public Limit	300-1,500	f/300	f/1500				
1	mW/cm <sup>2</sup>	1,500-10,000	5	1				
10	W/m <sup>2</sup>							
	0 " "							
0.6	Occupational Limit	*** **	C P c	P.CC 102				
$0.6455f^{0.5}$	W/m <sup>2</sup>		frequency radiation exposure limits					
39.4	W/m <sup>2</sup>	Frequency (MHz)	Occupational Limit (W/m²)	Public Limit (W/m <sup>2</sup> )				
	General Public Limit	100-6,000	$0.6455f^{0.5}$					
$0.02619f^{0.6834}$	W/m <sup>2</sup>	6,000-15,000	50					
5.4	W/m <sup>2</sup>	48-300		1.291				
		300-6,000		$0.02619f^{0.6834}$				
		6,000-15,000	50	10				
5 T		6,000-15,000	50	10	General Public	Occupational	MI-	
	WO.	6,000-15,000	50	10 f (MHz) =	2402	2402	MHz	
P <sub>T</sub> = Power Input to Antenna (n		6,000-15,000	50	$\begin{array}{c} 10 \\ & f(MHz) = \\ & P_T(mW) = \end{array}$	2402 1.7620	2402 1.7620	mW	
P <sub>T</sub> = Power Input to Antenna (n Duty cycle (percentage of opera	tion)	6,000-15,000	50	$f(MHz) = P_T(mW) = % \frac{10}{2} $	2402 1.7620 100	2402 1.7620 100	mW %	
$P_T$ = Power Input to Antenna (m Duty cycle (percentage of opera $P_A$ = Adjusted Power due to Du	tion) ty cycle or Cable Loss (mW)	6,000-15,000	50	$\begin{aligned} 10 \\ f(MHz) &= \\ P_T(mW) &= \\ \% &= \\ P_A(mW) &= \end{aligned}$	2402 1.7620 100 1.76	2402 1.7620 100 1.76	mW % mW	
$P_T$ = Power Input to Antenna (n Duty cycle (percentage of opera $P_A$ = Adjusted Power due to Du $G_N$ = Numeric Gain of the Ante	tion) ty cycle or Cable Loss (mW) nna	6,000-15,000		$\begin{array}{c} 10 \\ f(MHz) = \\ P_T(mW) = \\ \% = \\ P_A(mW) = \\ GN \ (numeric) = \end{array}$	2402 1.7620 100 1.76 2.13	2402 1.7620 100 1.76 2.13	mW % mW numeric	
$P_T = Power Input to Antenna (n$ Duty cycle (percentage of opera $P_A = Adjusted Power due to Du$ $G_N = Numeric Gain of the Ante$ $S20 = Power Density of device$	tion) ty cycle or Cable Loss (mW) nna at 20cm (mW/cm2)	6,000-15,000	$S_{20} = (P_A G_N)/(4\pi R_{20})^2$	10  f (MHz) =  P <sub>T</sub> (mW) =  % =  P <sub>A</sub> (mW) =  GN (numeric) =  S20 (mW/cm2) =	2402 1.7620 100 1.76 2.13 0.001	2402 1.7620 100 1.76 2.13 0.001	mW % mW numeric mW/cm2	
$P_T$ = Power Input to Antenna (n Duty cycle (percentage of opera $P_A$ = Adjusted Power due to Du $G_N$ = Numeric Gain of the Ante S20 = Power Density of device a $S_{20}$ = Power Density of device a	tion) ty cycle or Cable Loss (mW) nna at 20cm (mW/cm2) t 20cm (W/m²)	6,000-15,000		$\begin{array}{c} 10 \\ \\ f(\text{MHz}) = \\ P_T(mW) = \\ \\ \% = \\ P_A(mW) = \\ GN(\text{numer}) = \\ GS(\text{numer}) = \\ S20(\text{mW/cn2}) = \\ S20(\text{mW/cn2}) = \\ S_{20}(\text{W/m}^2) = \\ \end{array}$	2402 1.7620 100 1.76 2.13 0.001 0.01	2402 1.7620 100 1.76 2.13 0.001 0.01	mW % mW numeric mW/cm2 W/m <sup>2</sup>	
$P_T$ = Power Input to Antenna (n Duty cycle (percentage of opera $P_A$ = Adjusted Power due to Du $G_N$ = Numeric Gain of the Ante $S_{20}$ = Power Density of device a $S_{20}$ = Power Density of device a	tion) ty cycle or Cable Loss (mW) nna at 20cm (mW/cm2) t 20cm (W/m²)	6,000-15,000	$S_{20} = (P_A G_N)/(4\pi R_{20})^2$	10  f (MHz) =  P <sub>T</sub> (mW) =  % =  P <sub>A</sub> (mW) =  GN (numeric) =  S20 (mW/cm2) =	2402 1.7620 100 1.76 2.13 0.001	2402 1.7620 100 1.76 2.13 0.001 0.01 50.000	mW % mW numeric mW/cm2 W/m <sup>2</sup> W/m <sup>2</sup>	
$P_T$ = Power Input to Antenna ( $\pi$ ) Duty cycle (percentage of opera $P_A$ = Adjusted Power due to Du $Q_M$ = Numeric Gain of the Ante S20 = Power Density of device: $P_M$ = Power Density of device a $P_M$ = Power Density Limit ( $P_M$ $P_M$ = Power Density Limit ( $P_M$ $P_M$ = Power Density Limit ( $P_M$	tion) ty cycle or Cable Loss (mW) nna at 20cm (mW/cm2) t20cm (W/m²) z³) FCC		$S_{20} = (P_A G_N)/(4\pi R_{20})^2$	$\begin{array}{c} 10 \\ \\ f(\text{MHz}) = \\ P_T(mW) = \\ \\ \% = \\ P_A(mW) = \\ GN(\text{numer}) = \\ GS(\text{numer}) = \\ S20(\text{mW/cn2}) = \\ S20(\text{mW/cn2}) = \\ S_{20}(\text{W/m}^2) = \\ \end{array}$	2402 1.7620 100 1.76 2.13 0.001 0.01	2402 1.7620 100 1.76 2.13 0.001 0.01 50.000 39.376	mW % mW numeric mW/cm2 W/m² W/m² W/m²	
$P_T$ = Power Input to Antenna ( $\pi$ ) Duty cycle (percentage of opera $P_A$ = Adjusted Power due to Du $Q_M$ = Numeric Gain of the Ante S20 = Power Density of device: $P_M$ = Power Density of device a $P_M$ = Power Density Limit ( $P_M$ $P_M$ = Power Density Limit ( $P_M$ $P_M$ = Power Density Limit ( $P_M$	tion) ty cycle or Cable Loss (mW) nna at 20cm (mW/cm2) t 20cm (W/m²)		$S_{20} = (P_A G_N)/(4\pi R_{20})^2$	$\begin{array}{c} 10 \\ \\ f(MHz) = \\ P_T(mW) = \\ \% = \\ P_A(mW) = \\ GN (numeric) = \\ S20 (mW/cm2) = \\ S_{20} (W/m^2) = \\ S_L (W/m^2) = \\ \end{array}$	2402 1.7620 100 1.76 2.13 0.001 0.01 10.000	2402 1.7620 100 1.76 2.13 0.001 0.01 50.000 39.376	mW % mW numeric mW/cm2 W/m <sup>2</sup> W/m <sup>2</sup>	
$P_T$ = Power Input to Antenna (n Duty cycle (percentage of opera $P_T$ ) = Adjusted Power due to Du $G_{S_T}$ = Numeric Gain of the Ante S20 = Power Density of device a $G_{S_T}$ 0 = Power Density of device a $G_{S_T}$ 1 = Power Density Limit ( $W/n$ $G_{S_T}$ 1 = Power Density Limit ( $W/n$ $G_{S_T}$ 2 = Power Density Limit ( $W/n$	tion) ty cycle or Cable Loss (mW) nna at 20cm (mW/cm2) t20cm (W/m²) z³) FCC	sm) FCC	$\begin{split} S_{20} &= (P_A G_N)/(4\pi R_{20})^2 \\ S_{20} &= (P_A G_N)/(4\pi R_{20})^2 \end{split}$	$\begin{array}{c} 10 \\ & f(\text{MHz}) = \\ P_T(\text{mW}) = \\ \% = \\ P_A(\text{mW}) = \\ \text{GN (numeric)} = \\ \text{S20 (mW/cm2)} = \\ \text{S20 (W/m^2)} = \\ \text{S1_c (W/m^2)} = \\ \text{S_L (W/m^2)} = \\ \end{array}$	2402 1.7620 100 1.76 2.13 0.001 0.01 10.000 5.351	2402 1.7620 100 1.76 2.13 0.001 0.01 50.000 39.376 0.2	mW % mW numeric mW/cm2 W/m² W/m² W/m²	
$P_T$ = Power Input to Antenna (n Duty cycle (percentage of opera $P_T$ ) = Adjusted Power due to Du $G_{S_T}$ = Numeric Gain of the Ante $S_{S_T}$ = Power Density of device a $S_{S_T}$ = Power Density Limit (W/m $S_T$ ) = Power Density Limit (W/m	tion)  ty cycle or Cable Loss (mW)  nna  at 20em (mW/cm2)  t 20em (W/m³)  r³) FCC  r³) Canada  Radiating Element for Compliance (c	cm) FCC cm) Canada	$\begin{split} S_{20} &= (P_A G_N) / (4\pi R_{20})^2 \\ S_{20} &= (P_A G_N) / (4\pi R_{20})^2 \\ R_C &= \sqrt{(P_A G_N)^4 4\pi_N} \\ R_C &= \sqrt{(P_A G_N)^4 4\pi_N} \\ \end{split}$	$\begin{split} f(\text{MHz}) &= \\ f(\text{MHz}) &= \\ P_T(\text{mW}) &= \\ \% &= \\ P_A(\text{mW}) &= \\ &\text{GN (numeric)} &= \\ &\text{S20 (mW/cm2)} &= \\ &\text{S20 (mW/cm^2)} &= \\ &\text{S_L (W/m^2)} &= \\ &\text{S_L (W/m^2)} &= \\ &\text{R_C (cm)} &= \\ &\text{R_C (cm)} &= \end{split}$	2402 1.7620 100 1.76 2.13 0.001 0.01 10.000 5.351 0.5	2402 1.7620 100 1.766 2.113 0.001 50.000 39.376 0.2	mW % mW numeric mW/cm2 W/m² W/m² cm cm	
$P_T$ = Power Input to Antenna (n Duty cycle (percentage of opera $P_A$ = Adjusted Power due to Du $S_A$ = Numeric Gain of the Ante $S_A$ = Power Density of device a $S_A$ = Power Density Limit (W/m $S_A$ = Minimum distance to the I $S_A$ = Power Density Limit (M/m $S_A$ = Minimum distance to the I $S_A$ = Power Density of the device	tion)  ty cycle or Cable Loss (mW)  nna  at 20cm (mW/cm2)  t 20cm (W/m²)  r²) FCC  y²) Canada  Radiating Element for Compliance (c  Radiating Element for Compliance (c  et at the Compliance Distance R <sub>C</sub> (W	cm) FCC cm) Canada t/m²) FCC	$\begin{split} S_{20} &= (P_A G_N)' (4\pi R_{20})^2 \\ S_{20} &= (P_A G_N)' (4\pi R_{20})^2 \\ R_C &= \sqrt{(P_A G_N)' 4\pi_S} \\ R_C &= \sqrt{(P_A G_N)' 4\pi_S} \\ S_C &= (P_A G_N)' (4\pi R_C)^2 \end{split}$	$\begin{array}{c} 10 \\ \\ f(\text{MHz}) = \\ P_T(\text{mW}) = \\ \\ \% = \\ P_A(\text{mW}) = \\ GN(\text{numeric}) = \\ S20 (\text{mW/cm2}) = \\ S20 (\text{w/m}^2) = \\ S_L (\text{W/m}^2) = \\ S_L (\text{W/m}^2) = \\ R_C (\text{cm}) = \\ R_C (\text{cm}) = \\ S_C (\text{W/m}^2) = \\ \end{array}$	2402 1.7620 100 1.76 2.13 0.001 0.01 10.000 5.351 0.5 0.7	2402 1.7620 1000 1.76 2.13 0.001 50.000 39.376 0.2 0.3	mW % mW numeric mW/cm2 W/m² W/m² cm cm W/m²	
$R_C = Minimum distance to the Polymore Power Density of the device R_C = Power Density of the device Power Density of the device R_C = Power Density of the device Power Density Of the Density Of$	tion) ty cycle or Cable Loss (mW) mna at 20cm (mW/cm2) t 20cm (Wm²) r²) FCC y²) Canada Radiating Element for Compliance (c Radiating Element for Compliance (c	cm) FCC cm) Canada t/m²) FCC	$\begin{split} S_{20} &= (P_A G_N) / (4\pi R_{20})^2 \\ S_{20} &= (P_A G_N) / (4\pi R_{20})^2 \\ R_C &= \sqrt{(P_A G_N)^4 4\pi_N} \\ R_C &= \sqrt{(P_A G_N)^4 4\pi_N} \\ \end{split}$	$\begin{array}{c} 10 \\ \\ f(MHz) = \\ P_T(mW) = \\ \% = \\ P_A(mW) = \\ GN (numeric) = \\ S20 (mW/cm2) = \\ S_{20} (W/m^2) = \\ S_{L} (W/m^2) = \\ S_{L} (W/m^2) = \\ R_{C} (cm) = \\ R_{C} (cm) = \\ S_{C} (W/m^2) = \\ S_{C} (W/m^2) = \\ S_{C} (W/m^2) = \\ \end{array}$	2402 1,7620 100 1.76 2,13 0.001 10.000 5,351 0.5 0.7 10.00	2402 1.7620 1000 1.76 2.13 0.001 50.000 39.376 0.2 0.3 50.000	mW % mW numeric mW/cm2 W/m² W/m² cm cm W/m²	
$P_T$ = Power Input to Antenna (n Duty cycle (percentage of opera $P_A$ = Adjusted Power due to Du $G_N$ = Numeric Gain of the Ante $S_{20}$ = Power Density of device a $S_{20}$ = Power Density Limit (W/n $S_L$ = Power Density Limit (W/n $R_C$ = Minimum distance to the I $R_C$ = Minimum distance to the $S_C$ = Power Density Limit (W/n $S_C$ = Power Density Limit (W/n	tion)  ty cycle or Cable Loss (mW)  nna  at 20cm (mW/cm2)  t 20cm (W/m²)  r²) FCC  y²) Canada  Radiating Element for Compliance (c  Radiating Element for Compliance (c  et at the Compliance Distance R <sub>C</sub> (W	cm) FCC cm) Canada t/m²) FCC	$\begin{split} S_{20} &= (P_A G_N)' (4\pi R_{20})^2 \\ S_{20} &= (P_A G_N)' (4\pi R_{20})^2 \\ R_C &= \sqrt{(P_A G_N)' 4\pi_S} \\ R_C &= \sqrt{(P_A G_N)' 4\pi_S} \\ S_C &= (P_A G_N)' (4\pi R_C)^2 \end{split}$	$\begin{array}{c} 10 \\ \\ f(\text{MHz}) = \\ P_T(\text{mW}) = \\ \\ \% = \\ P_A(\text{mW}) = \\ GN(\text{numeric}) = \\ S20 (\text{mW/cm2}) = \\ S20 (\text{w/m}^2) = \\ S_L (\text{W/m}^2) = \\ S_L (\text{W/m}^2) = \\ R_C (\text{cm}) = \\ R_C (\text{cm}) = \\ S_C (\text{W/m}^2) = \\ \end{array}$	2402 1.7620 100 1.76 2.13 0.001 0.01 10.000 5.351 0.5 0.7	2402 1.7620 1000 1.76 2.13 0.001 50.000 39.376 0.2 0.3 50.000	mW % mW numeric mW/cm2 W/m² W/m² cm cm W/m²	
$P_T$ = Power Input to Antenna (n Duty cycle (percentage of opera $P_A$ = Adjusted Power due to Du $G_N$ = Numeric Gain of the Ante $S_2$ 0 = Power Density of device of $S_2$ 0 = Power Density Limit (W/n $S_1$ = Power Density Limit (W/n $S_1$ = Power Density Limit (W/n $S_2$ 0 = Minimum distance to the I $S_3$ 1 = Power Density Limit (W/n $S_3$ 2 = Minimum distance to the I $S_4$ 2 = Minimum distance to the I $S_3$ 2 = Power Density of the device $S_3$ 2 = Power Density of the device	tion)  ty cycle or Cable Loss (mW)  nna  at 20cm (mW/cm2)  t 20cm (W/m²)  r²) FCC  r²) Canada  Radiating Element for Compliance (c  Radiating Element for Compliance (c  ea at the Compliance Distance R <sub>C</sub> (W  ea at the Compliance Distance R <sub>C</sub> (W	cm) FCC cm) Canada //m²) FCC //m²) Canada	$\begin{split} S_{20} &= (P_A G_N)' (4\pi R_{20})^2 \\ S_{20} &= (P_A G_N)' (4\pi R_{20})^2 \\ R_C &= \sqrt{(P_A G_N)' 4\pi_S} \\ R_C &= \sqrt{(P_A G_N)' 4\pi_S} \\ S_C &= (P_A G_N)' (4\pi R_C)^2 \end{split}$	$\begin{split} & f(\text{MHz}) = \\ & f(\text{MHz}) = \\ & P_T(\text{mW}) = \\ & \% = \\ & P_A(\text{mW}) = \\ & GN(\text{numeric}) = \\ & S20 (\text{mW/cm2}) = \\ & S_2 (\text{W/m}^2) = \\ & S_L (\text{W/m}^2) = \\ & S_L (\text{W/m}^2) = \\ & R_C (\text{cm}) = \\ & R_C (\text{cm}) = \\ & S_C (\text{W/m}^2) = \\ & S_C (\text{W/m}^2) = \\ & S_C (\text{W/m}^2) = \\ & R_C (\text{2}) = \\ & R_C (\text{2})$	2402 1,7620 100 1.76 2,13 0.001 10.000 5,351 0.5 0.7 10.00	2402 1.7620 100 1.76 2.13 0.001 50.000 39.376 0.2 0.3 50.000	mW % mW numeric mW/cm2 W/m² W/m² cm cm W/m²	
$P_T$ = Power Input to Antenna (n Duty cycle (percentage of opera $P_A$ = Adjusted Power due to Du $G_S$ = Numeric Gain of the Ante $S_S$ = Power Density of device a $S_S$ = Power Density Limit (W/m $S_S$ = Power Density Limit (W/m $S_S$ = Minimum distance to the I $S_S$ = Power Density Limit (W/m $S_S$ = Minimum distance to the I $S_S$ = Power Density of the device	tion)  ty cycle or Cable Loss (mW)  man  at 20-m (mW/cm2)  t 20-cm (W/m²)  t² PCC  t² Canada  Radiating Element for Compliance (catadiating Element for Compliance	cm) FCC cm) Canada //m²) FCC //m²) Canada th Canada General Population	$\begin{split} S_{20} &= (P_A G_N)' (4\pi R_{20})^2 \\ S_{20} &= (P_A G_N)' (4\pi R_{20})^2 \\ R_C &= \sqrt{(P_A G_N)' 4\pi_N} \\ R_C &= \sqrt{(P_A G_N)' 4\pi_N} \\ S_C &= (P_A G_N)' (4\pi R_C)^2 \\ S_C &= (P_A G_N)' (4\pi R_C)^2 \end{split}$	$\begin{array}{c} 10 \\ & f(\text{MHz}) = \\ P_T(\text{mW}) = \\ & \% = \\ P_A(\text{mW}) = \\ \text{GN (numeric)} = \\ \text{S20 (mW/cm2)} = \\ \text{S20 (w/m}^2) = \\ \text{S2, (W/m}^2) = \\ \text{S4, (W/m}^2) = \\ \text{R}_C(\text{cm}) = \\ \text{R}_C(\text{cm}) = \\ \text{S}_C(\text{W/m}^2) = \\ \text{S}_C(\text{W/m}^2) = \\ \text{S}_C(\text{m}) = \\ S$	2402 1,7620 100 1.76 2,13 0.001 10.000 5,351 0.5 0.7 10.00 5.35 20	2402 1.7620 100 1.76 2.13 0.001 50.000 39.376 0.2 0.3 50.000	mW % mW numeric mW/cm2 W/m² W/m² cm cm W/m²	
$P_T$ = Power Input to Antenna (n Duty cycle (percentage of opera $P_A$ = Adjusted Power due to Du $G_S$ = Numeric Gain of the Ante $E_S$ = Power Density of device is $E_S$ = Power Density Limit (W/m $E_S$ = Minimum distance to the IR $E_S$ = Minimum distance to the IR $E_S$ = Power Density of the device $E_S$ = Power Density of the device	tion)  ty cycle or Cable Loss (mW)  nna  at 20cm (mW/cm2)  t 20cm (W/m²)  r²) FCC  r²) Canada  Radiating Element for Compliance (c  re at the Compliance Distance R <sub>C</sub> (W  ea at the Compliance Distance R <sub>C</sub> (W  For Compliance Witt  Or in	cm) FCC cm) Canada t/m²) FCC t/m²) Canada h Canada General Population Meters for Complaince with	$\begin{split} S_{20} &= (P_A G_N)/(4\pi R_{20})^2 \\ S_{20} &= (P_A G_N)/(4\pi R_{20})^2 \\ R_C &= \sqrt{(P_A G_N)^4 \pi \epsilon_N} \\ R_C &= \sqrt{(P_A G_N)^4 \pi \epsilon_N} \\ S_C &= (P_A G_N)/(4\pi R_C)^2 \\ S_C &= (P_A G_N)/(4\pi R_C)^2 \\ Limits, User Manual must indicate \end{split}$	$\begin{array}{c} 10 \\ & f(\text{MHz}) = \\ P_T(\text{mW}) = \\ & \% = \\ P_A(\text{mW}) = \\ \text{GN (numeric)} = \\ \text{S20 (mW/cm2)} = \\ \text{S20 (w/m}^2) = \\ \text{S2, (W/m}^2) = \\ \text{S2, (W/m}^2) = \\ \text{R2, (em)} = \\ \text{R2, (em)} = \\ \text{S2, (W/m}^2) = \\ \text{S2, (w/m}^2) = \\ \text{S3, (w/m}^2) = \\ \text{S4, (w/m}^2) = \\ \text{S5, (w/m}^2) = \\ \text{S6, (w/m}^2) = \\ \text{S6, (w/m}^2) = \\ \text{S6, (w/m}^2) = \\ \text{R20} = \\ \text{a minimum seperation distance of} \end{array}$	2402 1,7620 1000 1.76 2.13 0.001 10.000 5.351 0.5 0.7 10.00 5.35 20	2402 1.7620 1000 1.76 2.13 0.001 50.000 39.376 0.2 0.3 50.000 39.38	mW % mw numeric mW/cm2 W/m² W/m² cm cm cm cm cm cm cm	
P <sub>T</sub> = Power Input to Antenna (n Duty cycle (percentage of opera P <sub>A</sub> = Adjusted Power due to Du G <sub>S</sub> = Numeric Gain of the Ante S20 = Power Density of device a S <sub>20</sub> = Power Density of device a S <sub>20</sub> = Power Density Limit (W/n S <sub>1</sub> = Power Density Limit (W/n S <sub>2</sub> = Power Density Limit (W/n S <sub>2</sub> = Power Density Limit (W/n S <sub>2</sub> = Minimum distance to the I S <sub>20</sub> = Power Density of the device S <sub>30</sub> = 20cm	tion)  ty cycle or Cable Loss (mW)  man  at 20cm (mW/cm2)  t 20cm (W/m²)  r²) FCC  r²) Canada  Radiating Element for Compliance (cadating Element for Compliance Core at the Compliance Distance R <sub>c</sub> (We eat the Compliance Distance R <sub>c</sub> (We eat the Compliance Distance N <sub>c</sub> (We in the Compliance With Or in the Compliance With Or in the Compliance With Or in the Calculations and Summ	cm) FCC cm) Canada //m²) FCC //m²) Canada h Canada General Population Meters for Complaince with	$\begin{split} S_{20} &= (P_A G_N)/(4\pi R_{20})^2 \\ S_{20} &= (P_A G_N)/(4\pi R_{20})^2 \\ R_C &= \sqrt{(P_A G_N)^4 \pi \kappa_S} \\ R_C &= \sqrt{(P_A G_N)^4 4\pi \kappa_S} \\ S_C &= (P_A G_N)/(4\pi R_C)^2 \\ S_C &= (P_A G_N)/(4\pi R_C)^2 \\ Limits, User Manual must indicate Canada General Population Limits, \end{split}$	$\begin{split} &10 \\ & f(\text{MHz}) = \\ &P_T(\text{mW}) = \\ & \% = \\ &P_A(\text{mW}) = \\ &GN(\text{numeric}) = \\ &S20 (\text{mW/cm2}) = \\ &S_2 (\text{W/m}^2) = \\ &S_L (\text{W/m}^2) = \\ &S_L (\text{W/m}^2) = \\ &R_C (\text{cm}) = \\ &R_C (\text{cm}) = \\ &S_C (\text{W/m}^2) = \\ &S_C (\text{W/m}^2) = \\ &S_C (\text{W/m}^2) = \\ &S_C (\text{W/m}^2) = \\ &R20 = \\ &\text{a minimum seperation distance of} \end{split}$	2402 1.7620 1.7620 1.00 1.76 2.13 0.001 0.01 10.000 5.351 0.5 0.7 10.00 5.352 20 0.7 0.01	2402 1.7620 1000 1.76 2.13 0.001 50.000 39.376 0.2 0.3 50.000 39.38 20	mW % mw numeric mW/cm2 W/m² W/m² W/m² cm cm w/m² W/m² cm Public	
P <sub>T</sub> = Power Input to Antenna (n Duty cycle (percentage of opera P <sub>A</sub> = Adjusted Power due to Du Gs <sub>A</sub> = Numeric Gain of the Ante S20 = Power Density of device a S20 = Power Density of device a S20 = Power Density Limit (W/n S <sub>A</sub> = Minimum distance to the I S <sub>A</sub> = Minimum distance to the I S <sub>A</sub> = Power Density of the device Summary: Standalone M Band 1, (MHz)	tion) ty cycle or Cable Loss (mW) mna at 20cm (mW/cm2) t 20cm (Wm²) s²) FCC Radiating Element for Compliance (c Radiating Element for Compliance C Radiating Element for Compliance (c Radiating Element for Compliance C Radiating Element for Compliance (c Radiating Element for C Radiating Elemen	cm) FCC  xm) Canada  //m²) FCC  //m²) Canada  the Canada General Population  Meters for Complaince with  Tary  Tx Frequeny (MHz)	$\begin{split} S_{20} &= (P_A G_N) / (4\pi R_{20})^2 \\ S_{20} &= (P_A G_N) / (4\pi R_{20})^2 \\ R_C &= \sqrt{(P_A G_N)^4 \pi_{NO}} \\ R_C &= \sqrt{(P_A G_N)^4 \pi_{NO}} \\ S_C &= (P_A G_N) / (4\pi R_C)^2 \\ S_C &= (P_A G_N) / (4\pi R_C)^2 \\ Limits, User Manual must indicate Canada General Population Limits, \\ &\qquad \qquad \qquad \\ &\qquad \qquad Power Total (mW) \end{split}$	10    f (MHz) =   P <sub>T</sub> (mW) =   % =   P <sub>A</sub> (mW) =   GN (numeric) =   S20 (mW/cm2) =   S20 (W/m²) =   S <sub>L</sub> (W/m²) =   S <sub>L</sub> (W/m²) =   R <sub>C</sub> (cm) =   R <sub>C</sub> (cm) =   S <sub>C</sub> (W/m²) =   S <sub>C</sub> (W/m²) =   S <sub>C</sub> (W/m²) =   S <sub>C</sub> (m²) =   S <sub>C</sub> (m²) =   S <sub>C</sub> (m²) =   S <sub>C</sub> (m²) =   R20 =   a minimum seperation distance of   Antenna Gain (numeric)	2402 1,7620 1,7620 1,762 2,13 0,001 0,01 10,000 5,351 0,5 0,7 10,000 5,35 20 0,7 0,01  Public Limit S <sub>L</sub> (W/m²)	2402 1.7620 1.762 1.000 1.76 2.13 0.001 0.01 50.000 39.376 0.2 0.3 50.000 39.38 20 cm Meters	mW % mW numeric mW/cm2 W/m² W/m² cm cm W/m² W/m² cm	
P <sub>T</sub> = Power Input to Antenna (n Duty cycle (percentage of opera P <sub>A</sub> = Adjusted Power due to Du G <sub>S</sub> = Numeric Gain of the Ante S20 = Power Density of device a S <sub>20</sub> = Power Density of device a S <sub>20</sub> = Power Density Limit (W/n S <sub>1</sub> = Power Density Limit (W/n S <sub>2</sub> = Power Density Limit (W/n S <sub>2</sub> = Power Density Limit (W/n S <sub>2</sub> = Minimum distance to the I S <sub>20</sub> = Power Density of the device S <sub>30</sub> = 20cm	tion)  ty cycle or Cable Loss (mW)  man  at 20cm (mW/cm2)  t 20cm (W/m²)  r²) FCC  r²) Canada  Radiating Element for Compliance (cadating Element for Compliance Core at the Compliance Distance R <sub>c</sub> (We eat the Compliance Distance R <sub>c</sub> (We eat the Compliance Distance N <sub>c</sub> (We in the Compliance With Or in the Compliance With Or in the Compliance With Or in the Calculations and Summ	cm) FCC cm) Canada //m²) FCC //m²) Canada h Canada General Population Meters for Complaince with	$\begin{split} S_{20} &= (P_A G_N)/(4\pi R_{20})^2 \\ S_{20} &= (P_A G_N)/(4\pi R_{20})^2 \\ R_C &= \sqrt{(P_A G_N)^4 \pi \kappa_S} \\ R_C &= \sqrt{(P_A G_N)^4 4\pi \kappa_S} \\ S_C &= (P_A G_N)/(4\pi R_C)^2 \\ S_C &= (P_A G_N)/(4\pi R_C)^2 \\ Limits, User Manual must indicate Canada General Population Limits, \end{split}$	$\begin{split} &10 \\ & f(\text{MHz}) = \\ &P_T(\text{mW}) = \\ & \% = \\ &P_A(\text{mW}) = \\ &GN(\text{numeric}) = \\ &S20 (\text{mW/cm2}) = \\ &S_2 (\text{W/m}^2) = \\ &S_L (\text{W/m}^2) = \\ &S_L (\text{W/m}^2) = \\ &R_C (\text{cm}) = \\ &R_C (\text{cm}) = \\ &S_C (\text{W/m}^2) = \\ &S_C (\text{W/m}^2) = \\ &S_C (\text{W/m}^2) = \\ &S_C (\text{W/m}^2) = \\ &R20 = \\ &\text{a minimum seperation distance of} \end{split}$	2402 1.7620 1.7620 1.00 1.76 2.13 0.001 0.01 10.000 5.351 0.5 0.7 10.00 5.352 20 0.7 0.01	2402 1.7620 1000 1.76 2.13 0.001 50.000 39.376 0.2 0.3 50.000 39.38 20	mW % mw numeric mW/cm2 W/m² W/m² W/m² cm cm w/m² W/m² cm Public	S <sub>C</sub> (W/m <sup>2</sup> 5.35
P <sub>T</sub> = Power Input to Antenna (n Duty cycle (percentage of opera P <sub>A</sub> = Adjusted Power due to Du Ga, = Numeric Gain of the Ante S20 = Power Density of device. S S20 = Power Density of device a S20 = Power Density of device a S20 = Power Density of Morio S20 = Power Density of Morio S20 = Power Density Limit (W/n S4 = Power Density Limit (W/n S4 = Power Density Limit (M/n S4 = Power Density Limit (M/n S4 = Power Density of the device S4 = Power Density of the device S5 = Power Density of the device S6 = Power Density of the device S6 = Power Density of the Morio S7 = Power Density of the Morio S6 = Power Density of the Morio S7 = Power Density of the Morio S6 = Power Density of the Morio S7 = Power Density of the Morio S6 = Power Density of the Morio S7 = Power Density of the Morio S8 = P	tion)  ty cycle or Cable Loss (mW)  muse or Cable Loss (mW)  12 Ocm (mW/cm2)  12 Ocm (mW/cm2)  13 PCC  13 Canada  Radiating Element for Compliance (canadiating Element for Compliance Distance Rc (Wase at the Compliance Distance Rc (Wase at the Compliance Distance With Or in  For Compliance with Or in  1PE Calculations and Summ  Tx Duty Cycle (%)  100	cm) FCC cm) Canada V/m²) FCC V/m²) Canada h Canada General Population Meters for Complaince with nary Tx Frequeny (MHz) 2402	$\begin{split} S_{20} &= (P_A G_N)/(4\pi R_{20})^2 \\ S_{20} &= (P_A G_N)/(4\pi R_{20})^2 \\ R_C &= \sqrt{(P_A G_N)^4 4\pi_N} \\ R_C &= \sqrt{(P_A G_N)^4 4\pi_N} \\ S_C &= (P_A G_N)/(4\pi R_C)^2 \\ S_C &= (P_A G_N)/(4\pi R_C)^2 \\ Limits, User Manual must indicate Canada General Population Limits, \\ \hline & \textbf{Power Total (mW)} \\ &= 1.76 \end{split}$	10    f(MHz) =   P <sub>T</sub> (mW) =   % =   P <sub>A</sub> (mW) =   GN (numeric) =   S20 (mW/cm2) =   S <sub>20</sub> (W/m²) =   S <sub>L</sub> (W/m²) =   R <sub>C</sub> (cm) =   R <sub>C</sub> (cm) =   S <sub>C</sub> (W/m²) =   S <sub>C</sub> (W/m²) =   S <sub>C</sub> (W/m²) =   S <sub>C</sub> (W/m²) =   S <sub>C</sub> (m/m²) =   C <sub>C</sub> (m/m²) =   C <sub>C</sub> (m/m²) =   R <sub>C</sub> (mm²) =   R <sub>C</sub>	2402 1,7620 1,7620 1,762	2402 1.7620 1000 1.76 2.13 0.001 0.01 50.000 39.376 0.2 0.3 50.000 39.38 20 cm Meters	mW % % mW numeric mW/cm2 W/m² W/m² W/m² w/m² cm cm y/m² W/m² cm Public Rc (cm) 0.7	5.35
Department of the device of th	tion) ty cycle or Cable Loss (mW) mma at 20cm (mW/cm2) t 20cm (Wm²) r²) FCC Radiating Element for Compliance (c Radiating Element for Compliance For Compliance Distance R <sub>c</sub> (W For Compliance with Or in  IPE Calculations and Summ Tx Duty Cycle (%)	cm) FCC cm) Canada //m²) FCC //m²) Canada h Canada General Population Meters for Complaince with  1ary Tx Frequeny (MHz) 2402 Tx Frequeny (MHz)	$\begin{split} S_{20} &= (P_A G_N) / (4\pi R_{20})^2 \\ S_{20} &= (P_A G_N) / (4\pi R_{20})^2 \\ R_C &= \sqrt{(P_A G_N)^4 (4\pi R_2)} \\ R_C &= \sqrt{(P_A G_N)^4 4\pi s_A)} \\ S_C &= (P_A G_N) / (4\pi R_C)^2 \\ S_C &= (P_A G_N) / (4\pi R_C)^2 \\ Limits, User Manual must indicate Canada General Population Limits, \\ &\qquad \qquad $	10    f (MHz) =   P <sub>T</sub> (mW) =   % =   P <sub>A</sub> (mW) =   GN (numeric) =   S20 (mW/cm²) =   S20 (mW/cm²) =   S <sub>L</sub> (W/m²) =   S <sub>L</sub> (M/m²) =   S <sub>L</sub> (M	2402 1,7620 1,7620 1,762 2,13 0,001 0,01 1,000 5,351 0,5 0,7 10,000 5,35 20 0,7 0,01  Public Limit S <sub>L</sub> (W/m²) 5,351 SL (W/m²)	2402 1.7620 1.76 2.13 0.001 0.01 50.000 39.376 0.2 0.3 50.000 39.38 20 cm Meters  S <sub>20</sub> (W/m <sup>2</sup> ) 0.01	mW % mW numeric mW/cm2 W/m² W/m² cm cm W/m² W/m² cm	5.35 SC (W/m <sup>2</sup>
D <sub>T</sub> = Power Input to Antenna (n Duty cycle (percentage of opera Q <sub>T</sub> = Adjusted Power due to Du D <sub>Ts</sub> = Numeric Gain of the Ante S20 = Power Density of device a S <sub>200</sub> = Power Density of device a S <sub>200</sub> = Power Density of device a S <sub>200</sub> = Power Density of Input S <sub>200</sub> = Power Density of Input S <sub>200</sub> = Power Density Limit (W/m S <sub>200</sub> = Power Density Limit (W/m S <sub>200</sub> = Power Density Limit (W/m S <sub>200</sub> = Power Density Simit (W/m S <sub>200</sub> = Power Density of the device S <sub>200</sub> = Power Density of the device S <sub>200</sub> = Power Density of the device S <sub>200</sub> = Power Density of the S <sub>200</sub> = Summary: Standalone N Band 1, (MHz) ANT 2400-2483.5	tion)  ty cycle or Cable Loss (mW)  muse or Cable Loss (mW)  12 Ocm (mW/cm2)  12 Ocm (mW/cm2)  13 PCC  13 Canada  Radiating Element for Compliance (canadiating Element for Compliance Distance Rc (Wase at the Compliance Distance Rc (Wase at the Compliance Distance With Or in  For Compliance with Or in  1PE Calculations and Summ  Tx Duty Cycle (%)  100	cm) FCC cm) Canada V/m²) FCC V/m²) Canada h Canada General Population Meters for Complaince with nary Tx Frequeny (MHz) 2402	$\begin{split} S_{20} &= (P_A G_N)/(4\pi R_{20})^2 \\ S_{20} &= (P_A G_N)/(4\pi R_{20})^2 \\ R_C &= \sqrt{(P_A G_N)^4 4\pi_N} \\ R_C &= \sqrt{(P_A G_N)^4 4\pi_N} \\ S_C &= (P_A G_N)/(4\pi R_C)^2 \\ S_C &= (P_A G_N)/(4\pi R_C)^2 \\ Limits, User Manual must indicate Canada General Population Limits, \\ \hline & \textbf{Power Total (mW)} \\ &= 1.76 \end{split}$	10    f(MHz) =   P <sub>T</sub> (mW) =   % =   P <sub>A</sub> (mW) =   GN (numeric) =   S20 (mW/cm2) =   S <sub>20</sub> (W/m²) =   S <sub>L</sub> (W/m²) =   R <sub>C</sub> (cm) =   R <sub>C</sub> (cm) =   S <sub>C</sub> (W/m²) =   S <sub>C</sub> (W/m²) =   S <sub>C</sub> (W/m²) =   S <sub>C</sub> (W/m²) =   S <sub>C</sub> (m/m²) =   C <sub>C</sub> (m/m²) =   C <sub>C</sub> (m/m²) =   R <sub>C</sub> (mm²) =   R <sub>C</sub>	2402 1,7620 1,7620 1,762	2402 1.7620 1000 1.76 2.13 0.001 0.01 50.000 39.376 0.2 0.3 50.000 39.38 20 cm Meters	mW % % mW numeric mW/cm2 W/m² W/m² W/m² w/m² cm cm y/m² W/m² cm Public Rc (cm) 0.7	5.35
a — Power Input to Antenna (n  Duty cycle (percentage of Opera  ,— Adjusted Power due to Du  3s. — Numeric Gain of the Ante  200 — Power Density of device a  5s. — Power Density Limit (W/m  3s. — Power Density of the device  3s. — Power Density of the Mexic  3s. — Power Density of the Mexic  3s. — Power Density of the Bevice  3s. — Power Density of the Mexic  3s. — Power Density Limit (W/m  3s. — Power Density	tion)  ty cycle or Cable Loss (mW)  ty cycle or Cable Loss (mW)  at 20cm (mW/cm2)  t 20cm (W/m²)  t²) FCC  t²) Canada  Radiating Element for Compliance (cadating Element for Compliance Core at the Compliance Distance R <sub>c</sub> (We at the Compliance Distance With Or in  For Compliance with Or in  1PE Calculations and Summ  Tx Duty Cycle (%)  100  Tx Duty Cycle (%)	cm) FCC cm) Canada //m²) FCC //m²) Canada h Canada General Population Meters for Complaince with nary Tx Frequeny (MHz) 2402 Tx Frequeny (MHz) 2402	$\begin{split} S_{20} &= (P_A G_N)/(4\pi R_{20})^2 \\ S_{20} &= (P_A G_N)/(4\pi R_{20})^2 \\ S_{C} &= (P_A G_N)/(4\pi R_{20})^2 \\ S_{C} &= \sqrt{(P_A G_N/4\pi s_N)} \\ S_{C} &= (P_A G_N)/(4\pi R_C)^2 \\ S_{C} &= (P_A G_N)/(4\pi R_C)^2 \\ Limits, User Manual must indicate Canada General Population Limits, \\ & \\ \hline \textbf{Power Total (mW)} \\ 1.76 \\ \hline \textbf{Power Total (mW)} \\ 7.89 \end{split}$	10    f (MHz) =   P <sub>T</sub> (mW) =   % =   P <sub>A</sub> (mW) =   GN (numeric) =   S20 (mW/cm2) =   S20 (W/m²) =   S <sub>L</sub> (W/m²) =   R <sub>C</sub> (cm) =   R <sub>C</sub> (cm) =   S <sub>C</sub> (W/m²) =   S <sub>C</sub> (W/m²) =   R20 =   R20 =   R20 =   R20 =   R20 =   R30 =	2402 1,7620 1,7620 1,762	2402 1.7620 1000 1.76 2.13 0.001 50.000 39.376 0.2 0.3 50.000 39.38 20 cm Meters  S <sub>20</sub> (W/m²) 0.01  S20 (W/m2) 0.02	mW % % mW numeric mW/cm2 W/m² W/m² W/m² cm cm	5.35 SC (W/m <sup>2</sup> 5.35
24 - Power Input to Antenna (n Duty cycle (percentage of Opera Duty cycle (percentage of Opera Cap - Adjusted Power due to Du Say - Numeric Gain of the Ante S20 - Power Density of device a Say - Power Density of device a Say - Power Density Limit (W/m Cap - Power Density of the device Say - Power Density of the Say - Power Density of the device Sammary: Standalone N Band 1, (MHz) ANT 2400-2483.5  Band 2, (MHz) BT 2400-2483.5  Band 3, (MHz)	tion) ty cycle or Cable Loss (mW) mma at 20cm (mW/cm2) t 20cm (Wm²) r²) FCC Radiating Element for Compliance (c Radiating Element for Compliance For Compliance Distance R <sub>c</sub> (W For Compliance with Or in  IPE Calculations and Summ Tx Duty Cycle (%)	cm) FCC cm) Canada //m²) FCC //m²) Canada in Canada General Population Meters for Complaince with  1ary Tx Frequeny (MHz) 2402 Tx Frequeny (MHz) 2402 Tx Frequeny (MHz)	$\begin{split} S_{20} &= (P_A G_N)/(4\pi R_{20})^2 \\ S_{20} &= (P_A G_N)/(4\pi R_{20})^2 \\ R_C &= \sqrt{(P_A G_N)/(4\pi R_{20})^2} \\ R_C &= \sqrt{(P_A G_N/4\pi_N)} \\ R_C &= \sqrt{(P_A G_N/4\pi_N)} \\ S_C &= (P_A G_N)/(4\pi R_C)^2 \\ S_C &= (P_A G_N)/(4\pi R_C)^2 \\ Limits, User Manual must indicate Canada General Population Limits, \\ & \\ \hline Power Total (mW) \\ \hline 1.76 \\ \hline Power Total (mW) \\ \hline 7.89 \\ \hline Power Total (mW) \\ \end{split}$	10    f (MHz) =   P <sub>T</sub> (mW) =   % =   P <sub>A</sub> (mW) =   GN (numeric) =   S20 (mW/cm²) =   S20 (mW/cm²) =   S <sub>L</sub> (W/m²) =   S <sub>L</sub> (W	2402 1,7620 1,7620 1,762 2,13 0,001 0,01 1,000 5,351 0,5 0,7 10,000 5,352 20 0,7 0,01  Public Limit S <sub>L</sub> (W/m²) 5,351 SL (W/m²) 5,351	2402 1.7620 1.762	mW % mw numeric mW/cm2 W/m² W/m² cm cm W/m² W/m² cm	5.35 SC (W/m2 5.35 SC (W/m2
The Power Input to Antenna (no purpose of portion of the Antenna (no purpose of portion of the Antena (no purpose of portion of the Antena (no purpose of portion of the Antena (no purpose of the Anten	tion) ty cycle or Cable Loss (mW) mma at 20cm (mW/cm2) t20cm (Wm²) s²) FCC Radiating Element for Compliance (c Radiating Element for Compliance (ce at the Compliance Distance R <sub>c</sub> (W eat the Compliance Distance R <sub>c</sub> (W For Compliance with Or in  IPE Calculations and Summ Tx Duty Cycle (%)  100  Tx Duty Cycle (%)  Tx Duty Cycle (%)	cm) FCC cm) Canada //m²) FCC //m²) Canada h Canada General Population Meters for Complaince with nary Tx Frequeny (MHz) 2402 Tx Frequeny (MHz) 2402	$\begin{split} S_{20} &= (P_A G_N)/(4\pi R_{20})^2 \\ S_{20} &= (P_A G_N)/(4\pi R_{20})^2 \\ S_{C} &= (P_A G_N)/(4\pi R_{20})^2 \\ S_{C} &= \sqrt{(P_A G_N/4\pi s_N)} \\ S_{C} &= (P_A G_N)/(4\pi R_C)^2 \\ S_{C} &= (P_A G_N)/(4\pi R_C)^2 \\ Limits, User Manual must indicate Canada General Population Limits, \\ & \\ \hline \textbf{Power Total (mW)} \\ 1.76 \\ \hline \textbf{Power Total (mW)} \\ 7.89 \end{split}$	10    f (MHz) =   P <sub>T</sub> (mW) =   % =   P <sub>A</sub> (mW) =   GN (numeric) =   S20 (mW/cm2) =   S20 (W/m²) =   S <sub>L</sub> (W/m²) =   R <sub>C</sub> (cm) =   R <sub>C</sub> (cm) =   S <sub>C</sub> (W/m²) =   S <sub>C</sub> (W/m²) =   R20 =   R20 =   R20 =   R20 =   R20 =   R30 =	2402 1,7620 1,7620 1,762	2402 1.7620 1000 1.76 2.13 0.001 50.000 39.376 0.2 0.3 50.000 39.38 20 cm Meters  S <sub>20</sub> (W/m²) 0.01  S20 (W/m2) 0.02	mW % % mW numeric mW/cm2 W/m² W/m² W/m² cm cm	5.35 SC (W/m <sup>2</sup> 5.35
The Power Input to Antenna (no pure year) of the Antenna (no pure year) of the Ante 20 = Power Density of device as a period of the Ante 20 = Power Density of device as a period of the Ante 20 = Power Density of device as a period of the Ante 20 = Power Density Limit (Winter Power Density Limit (Winter Power Density Limit (Winter Power Density Limit (Winter Power Density Input (Winter Power Density Input (Winter Power Density of the device Power Density of the Anter 20	tion) ty cycle or Cable Loss (mW) mma at 20cm (mW/cm2) t20cm (Wm²) s²) FCC Radiating Element for Compliance (c Radiating Element for Compliance (ce at the Compliance Distance R <sub>c</sub> (W eat the Compliance Distance R <sub>c</sub> (W For Compliance with Or in  IPE Calculations and Summ Tx Duty Cycle (%)  100  Tx Duty Cycle (%)  Tx Duty Cycle (%)	cm) FCC cm) Canada //m²) FCC //m²) Canada in Canada General Population Meters for Complaince with  1ary Tx Frequeny (MHz) 2402 Tx Frequeny (MHz) 2402 Tx Frequeny (MHz)	$\begin{split} S_{20} &= (P_A G_N)/(4\pi R_{20})^2 \\ S_{20} &= (P_A G_N)/(4\pi R_{20})^2 \\ R_C &= \sqrt{(P_A G_N)/(4\pi R_{20})^2} \\ R_C &= \sqrt{(P_A G_N/4\pi_N)} \\ R_C &= \sqrt{(P_A G_N/4\pi_N)} \\ S_C &= (P_A G_N)/(4\pi R_C)^2 \\ S_C &= (P_A G_N)/(4\pi R_C)^2 \\ Limits, User Manual must indicate Canada General Population Limits, \\ & \\ \hline Power Total (mW) \\ \hline 1.76 \\ \hline Power Total (mW) \\ \hline 7.89 \\ \hline Power Total (mW) \\ \end{split}$	10    f (MHz) =   P <sub>T</sub> (mW) =   % =   P <sub>A</sub> (mW) =   GN (numeric) =   S20 (mW/cm²) =   S20 (mW/cm²) =   S <sub>L</sub> (W/m²) =   S <sub>L</sub> (W	2402 1,7620 1,7620 1,762 2,13 0,001 0,01 1,000 5,351 0,5 0,7 10,000 5,352 20 0,7 0,01  Public Limit S <sub>L</sub> (W/m²) 5,351 SL (W/m²) 5,351	2402 1.7620 1.762	mW % mw numeric mW/cm2 W/m² W/m² cm cm W/m² W/m² cm	5.35 SC (W/m <sup>2</sup> 5.35 SC (W/m <sup>2</sup>
24 - Power Input to Antenna (n Duty cycle (percentage of Opera Duty cycle (percentage of Opera Cap - Adjusted Power due to Du Say - Numeric Gain of the Ante S20 - Power Density of device a Say - Power Density of device a Say - Power Density Limit (W/m Cap - Power Density of the device Say - Power Density of the Say - Power Density of the device Sammary: Standalone N Band 1, (MHz) ANT 2400-2483.5  Band 2, (MHz) BT 2400-2483.5  Band 3, (MHz)	tion) ty cycle or Cable Loss (mW) mma at 20cm (mW/cm2) t20cm (Wm²) s²) FCC Radiating Element for Compliance (c Radiating Element for Compliance (ce at the Compliance Distance R <sub>c</sub> (W eat the Compliance Distance R <sub>c</sub> (W For Compliance with Or in  IPE Calculations and Summ Tx Duty Cycle (%)  100  Tx Duty Cycle (%)  Tx Duty Cycle (%)	cm) FCC cm) Canada //m²) FCC //m²) Canada  A Canada General Population Meters for Complaince with nary  Tx Frequeny (MHz) 2402  Tx Frequeny (MHz) 2402  Tx Frequeny (MHz) 2412	$S_{20} = (P_A G_N)/(4\pi R_{20})^2$ $S_{20} = (P_A G_N)/(4\pi R_{20})^2$ $R_C = \sqrt{(P_A G_N)/(4\pi R_{20})^2}$ $R_C = \sqrt{(P_A G_N)/(4\pi R_C)^2}$ $S_C = (P_A G_N)/(4\pi R_C)^2$ $S_C = (P_A G_N)/(4\pi R_$	10    f (MHz) =   P <sub>T</sub> (mW) =   % =   P <sub>A</sub> (mW) =   GN (numeric) =   S20 (mW/cm²) =   S20 (mW/cm²) =   S <sub>L</sub> (W/m²) =   S <sub>L</sub> (W	2402 1,7620 1,7620 1,762 2,13 0,001 0,01 1,000 5,351 0,5 0,7 10,000 5,352 20 0,7 0,01  Public Limit S <sub>L</sub> (W/m²) 5,351 SL (W/m²) 5,351	2402 1.7620 1.762	mW % mw numeric mW/cm2 W/m² W/m² cm cm W/m² W/m² cm	5.35 SC (W/m <sup>2</sup> 5.35 SC (W/m <sup>2</sup>
24 - Power Input to Antenna (n Duty cycle (percentage of Opera Duty cycle (percentage of Opera Cap - Adjusted Power due to Du Say - Numeric Gain of the Ante S20 - Power Density of device a Say - Power Density of device a Say - Power Density Limit (W/m Cap - Power Density of the device Say - Power Density of the Say - Power Density of the device Sammary: Standalone N Band 1, (MHz) ANT 2400-2483.5  Band 2, (MHz) BT 2400-2483.5  Band 3, (MHz)	tion) ty cycle or Cable Loss (mW) mna at 20cm (mW/cm2) t20cm (Wm²) r²) FCC Radiating Element for Compliance (c Radiating Element for Compliance Tor Compliance With Or in  Tr Duty Cycle (%)  Tx Duty Cycle (%)  100  Tx Duty Cycle (%)  100	cm) FCC cm) Canada V/m²) FCC V/m²) FCC V/m²) Canada h Canada General Population Meters for Complaince with nary Tx Frequeny (MHz) 2402  Tx Frequeny (MHz) 2402  Tx Frequeny (MHz) 2412  Simlutaneous MPE Ca	$\begin{split} S_{20} &= (P_A G_N) / (4\pi R_{20})^2 \\ S_{20} &= (P_A G_N) / (4\pi R_{20})^2 \\ S_{20} &= (P_A G_N) / (4\pi R_{20})^2 \\ R_C &= \sqrt{(P_A G_N / 4\pi s_N)} \\ R_C &= \sqrt{(P_A G_N / 4\pi s_N)} \\ S_C &= (P_A G_N) / (4\pi R_C)^2 \\ S_C &= (P_A G_N) / (4\pi R_C)^2 \\ Limits, User Manual must indicate Canada General Population Limits, \\ & \\ \hline Power Total (mW) \\ 1.76 \\ \hline Power Total (mW) \\ 7.89 \\ \hline Power Total (mW) \\ 17.82 \\ \\ \end{split}$	10    f (MHz) =   P <sub>T</sub> (mW) =   % =   P <sub>A</sub> (mW) =   GN (numeric) =   S20 (mW/cm²) =   S20 (mW/cm²) =   S <sub>L</sub> (W/m²) =   S <sub>L</sub> (W	2402 1,7620 1,7620 1,762 2,13 0,001 0,01 1,000 5,351 0,5 0,7 10,000 5,352 20 0,7 0,01  Public Limit S <sub>L</sub> (W/m²) 5,351 SL (W/m²) 5,351	2402 1.7620 1.762	mW % mw numeric mW/cm2 W/m² W/m² cm cm W/m² W/m² cm	5.35 SC (W/m 5.35 SC (W/m
24 - Power Input to Antenna (n Duty cycle (percentage of Open Duty cycle (percentage of Open 25 - Adjusted Power due to Du 25 - Numeric Gain of the Ante 120 - Power Density of device a 150 - Power Density of device a 150 - Power Density Limit (W/m 25 - Minimum distance to the I 26 - Power Density Limit (W/m 26 - Minimum distance to the I 26 - Power Density of the device 27 - Power Density of the device 28 - Power Density of the device 29 - Power Density of the device 20 - Power Density of the Density 21 - Power Density of the Density 22 - Power Density of the Density 23 - Power Density of the Density 24 - Power Density 25 - Power Density 26 - Power Density 26 - Power Density 26 - Power Density 27 - Power Density 28 - Power Density 28 - Power Density 28 - Power Density 29 - Power Density 20 - Powe	tion) ty cycle or Cable Loss (mW) mna at 20cm (mW/cm2) t 20cm (W/m²) t²) FCC tall Cable Loss (mW) tall Cable Cable Loss (mW) tall Cable Ca	em) FCC cm) Canada //m²) FCC //m²) Canada h Canada General Population Meters for Complaince with hary Tx Frequeny (MHz) 2402 Tx Frequeny (MHz) 2402 Tx Frequeny (MHz) 2412 Similutaneous MPE Ca Transmitter 2	$\begin{split} S_{20} &= (P_A G_N) / (4\pi R_{20})^2 \\ S_{20} &= (P_A G_N) / (4\pi R_{20})^2 \\ R_C &= \sqrt{(P_A G_N) / (4\pi R_{20})^2} \\ R_C &= \sqrt{(P_A G_N) / (4\pi R_C)^2} \\ S_C &= (P_A G_N) / (4\pi R_C)^2 \\ Limits, User Manual must indicate Canada General Population Limits,  & \\ \hline \textbf{Power Total (mW)} \\ 1.76 \\ \hline \textbf{Power Total (mW)} \\ 7.89 \\ \hline \textbf{Power Total (mW)} \\ 17.82 \\ \hline \end{split}$	10    f (MHz) =   P <sub>T</sub> (mW) =   % =   P <sub>A</sub> (mW) =   GN (numeric) =   S20 (mW/cm²) =   S20 (mW/cm²) =   S <sub>L</sub> (W/m²) =   S <sub>L</sub> (W	2402 1,7620 1,7620 1,762 2,13 0,001 0,01 1,000 5,351 0,5 0,7 10,000 5,352 20 0,7 0,01  Public Limit S <sub>L</sub> (W/m²) 5,351 SL (W/m²) 5,351	2402 1.7620 1.762	mW % mw numeric mW/cm2 W/m² W/m² cm cm W/m² W/m² cm	5.35 SC (W/m: 5.35 SC (W/m:
D <sub>T</sub> = Power Input to Antenna (n Duty cycle (percentage of opera Q <sub>T</sub> = Adjusted Power due to Du D <sub>Ts</sub> = Numeric Gain of the Ante S20 = Power Density of device a S20 = Power Density of the Company S20 = Power Density of the Company S20 = Power Density of the Company S20 = Power Density Limit (W/m S20 = Power Density Limit (W/m S20 = Power Density of the device S20 = Power Density of	tion)  ty cycle or Cable Loss (mW)  nna at 20cm (mW/cm2) 420cm (W/m²) 7 FCC  Radiating Element for Compliance (c Radiating Element for Compliance Radiating Element for Compli	cm) FCC cm) Canada //m²) FCC //m²) Canada h Canada General Population Meters for Complaince with nary Tx Frequeny (MHz) 2402  Tx Frequeny (MHz) 2402  2412  Simlutaneous MPE Ct Transmitter 2 2402	$S_{20} = (P_A G_N)'(4\pi R_{20})^2$ $S_{20} = (P_A G_N)'(4\pi R_{20})^2$ $R_C = \sqrt{(P_A G_N)'(4\pi R_{20})^2}$ $R_C = \sqrt{(P_A G_N)'(4\pi R_C)^2}$ $S_C = (P_A G_N)'(4\pi R_C)^2$ $S_C = (P_A G_N)'(4\pi R_{20})^2$ $S_C = (P_A G_N)'(4\pi R_{20})$ $S_C = (P_A G_N)'(4\pi R_{20})^2$ $S_C = (P_A G_N)'(4\pi R_{20})$ $S_C = (P_A G_N)'(4\pi R_{20})^2$ $S_C = (P_A G_N)'(4\pi R_{20})$	10    f (MHz) =   P <sub>T</sub> (mW) =   % =   P <sub>A</sub> (mW) =   GN (numeric) =   S20 (mW/cm²) =   S20 (mW/cm²) =   S <sub>L</sub> (W/m²) =   S <sub>L</sub> (W	2402 1,7620 1,7620 1,762 2,13 0,001 0,01 1,000 5,351 0,5 0,7 10,000 5,352 20 0,7 0,01  Public Limit S <sub>L</sub> (W/m²) 5,351 SL (W/m²) 5,351	2402 1.7620 1.762	mW % mw numeric mW/cm2 W/m² W/m² cm cm W/m² W/m² cm	5.35 SC (W/m <sup>2</sup> 5.35 SC (W/m <sup>2</sup>
P <sub>T</sub> = Power Input to Antenna (n Duty cycle (percentage of opera P <sub>T</sub> = Adjusted Power due to Du Ga, = Numeric Gain of the Ante S20 = Power Density of device. a S <sub>20</sub> = Power Density of device a S <sub>20</sub> = Power Density Limit (W/n S <sub>1</sub> = Power Density Limit (W/n S <sub>2</sub> = Minimum distance to the I S <sub>2</sub> = Minimum distance to the I S <sub>2</sub> = Power Density of the devic S <sub>20</sub> = Power Density of the devic S <sub>30</sub> = 20cm  Summary: Standalone N Band 1, (MHz) ANT 2400-2483.5  Band 2, (MHz) BT 2400-2483.5  Band 3, (MHz) WiFi 2400-2483.5  Tx Frequeny (MHz) S <sub>20</sub> (W/m²)	tion) ty cycle or Cable Loss (mW) mna at 20cm (mW/cm2) t20cm (Wm²) s²) FCC 3²) FCC Radiating Element for Compliance (c Radiating Element for Compliance (c Radiating Element for Compliance (c Radiating Element for Compliance (wit To rin  For Compliance Distance Rc (W  For Compliance Distance Rc (W  For Compliance Distance With Or in  TE Duty Cycle (%) 100  TX Duty Cycle (%) 100	cm) FCC cm) Canada //m²) FCC //m²) FCC //m²) Canada h Canada General Population Meters for Complaince with nary Tx Frequeny (MHz) 2402  Tx Frequeny (MHz) 2412  Simlutaneous MPE Ca Transmitter 2 2402 0.02	$\begin{split} S_{20} &= (P_A G_N) / (4\pi R_{20})^2 \\ S_{20} &= (P_A G_N) / (4\pi R_{20})^2 \\ S_{20} &= (P_A G_N) / (4\pi R_{20})^2 \\ R_C &= \sqrt{(P_A G_N / 4\pi s_0)} \\ R_C &= \sqrt{(P_A G_N / 4\pi s_0)} \\ S_C &= (P_A G_N) / (4\pi R_C)^2 \\ S_C &= (P_A G_N) / (4\pi R_C)^2 \\ Limits, User Manual must indicate Canada General Population Limits,  & \\ \hline \textbf{Power Total (mW)} \\ 1.76 \\ \hline \textbf{Power Total (mW)} \\ 7.89 \\ \hline \textbf{Power Total (mW)} \\ 17.82 \\ \hline \\ \textbf{local tion} \\ \hline \textbf{Transmitter 3} \\ \hline 2412 \\ 0.09 \\ \hline \end{split}$	10    f (MHz) =   P <sub>T</sub> (mW) =   % =   P <sub>A</sub> (mW) =   GN (numeric) =   S20 (mW/cm²) =   S20 (mW/cm²) =   S <sub>L</sub> (W/m²) =   S <sub>L</sub> (W	2402 1,7620 1,7620 1,762 2,13 0,001 0,01 1,000 5,351 0,5 0,7 10,000 5,352 20 0,7 0,01  Public Limit S <sub>L</sub> (W/m²) 5,351 SL (W/m²) 5,351	2402 1.7620 1.762	mW % mw numeric mW/cm2 W/m² W/m² cm cm W/m² W/m² cm	5.35 SC (W/m <sup>2</sup> 5.35 SC (W/m <sup>2</sup>
Department of the Antenna (no Duty cycle (percentage of opera Quantum Antenna (no Duty cycle (percentage of opera Quantum Antena (no Duty cycle (percentage of opera Quantum Antena (no Duty cycle (percentage of opera Quantum Antena (no Duty cycle (no Duty Carte	tion) ty cycle or Cable Loss (mW) mma at 20cm (mW/cm2) t20cm (Wm²) r²) FCC Radiating Element for Compliance (c Radiating Element for Compliance (c Radiating Element for Compliance (c Radiating Element for Compliance (see at the Compliance Distance R <sub>c</sub> (W For Compliance Distance R <sub>c</sub> (W For Compliance Distance R <sub>c</sub> (W  For Loss of Compliance Distance R <sub>c</sub> (W  Tar Duty Cycle (%) 100  Tx Duty Cycle (%) 100  Tx Duty Cycle (%) 100  Tx Duty Cycle (%) 2402 0.011 5.351	cm) FCC cm) Canada //m²) FCC //m²) FCC //m²) Canada h Canada General Population Meters for Complaince with  arry  Tx Frequeny (MHz)  2402  Tx Frequeny (MHz)  2402  Tx Frequeny (MHz)  2412  Simlutaneous MPE Ct  Transmitter 2  2402  0.002  5.37	$\begin{split} S_{20} &= (P_A G_N) / (4\pi R_{20})^2 \\ S_{20} &= (P_A G_N) / (4\pi R_{20})^2 \\ S_{20} &= (P_A G_N) / (4\pi R_{20})^2 \\ R_C &= \sqrt{(P_A G_N / 4\pi s_0)} \\ R_C &= \sqrt{(P_A G_N / 4\pi s_0)} \\ S_C &= (P_A G_N) / (4\pi R_C)^2 \\ S_C &= (P_A G_N) / (4\pi R_C)^2 \\ \\ Limits, User Manual must indicate Canada General Population Limits, \\ & \\ \hline \textbf{Power Total (mW)} \\ 1.76 \\ \hline \textbf{Power Total (mW)} \\ 7.89 \\ \hline \textbf{Power Total (mW)} \\ 17.82 \\ \hline \\ \textbf{ITABLE COMPART (MARC)} \\ \hline \textbf{Power Total (mW)} \\ 1.82 \\ \hline \textbf{Output Total (mW)} \\ 1.82 \\ \hline \textbf{Output Total (mW)} \\ 1.82 \\ \hline \textbf{Output Total (mW)} \\ 1.83 \\ \hline \textbf{Output Total (mW)} \\ 1.84 \\ \hline \textbf{Output Total (mW)} \\ 1.85 \\ \hline $	10    f (MHz) =   P <sub>T</sub> (mW) =   % =   P <sub>A</sub> (mW) =   GN (numeric) =   S20 (mW/cm²) =   S20 (mW/cm²) =   S <sub>L</sub> (W/m²) =   S <sub>L</sub> (W	2402 1,7620 1,7620 1,762 2,13 0,001 0,01 1,000 5,351 0,5 0,7 10,000 5,352 20 0,7 0,01  Public Limit S <sub>L</sub> (W/m²) 5,351 SL (W/m²) 5,351	2402 1.7620 1.762	mW % mw numeric mW/cm2 W/m² W/m² cm cm W/m² W/m² cm	5.35 SC (W/m2 5.35 SC (W/m2
P <sub>T</sub> = Power Input to Antenna (n Duty cycle (percentage of opera P <sub>T</sub> = Adjusted Power due to Du Ga, = Numeric Gain of the Ante S20 = Power Density of device. a S <sub>20</sub> = Power Density of device a S <sub>20</sub> = Power Density Limit (W/n S <sub>1</sub> = Power Density Limit (W/n S <sub>2</sub> = Minimum distance to the I S <sub>2</sub> = Minimum distance to the I S <sub>2</sub> = Power Density of the devic S <sub>20</sub> = Power Density of the devic S <sub>30</sub> = 20cm  Summary: Standalone N Band 1, (MHz) ANT 2400-2483.5  Band 2, (MHz) BT 2400-2483.5  Band 3, (MHz) WiFi 2400-2483.5  Tx Frequeny (MHz) S <sub>20</sub> (W/m²)	tion) ty cycle or Cable Loss (mW) mna at 20cm (mW/cm2) t 20cm (W/m²) r r r t 20cm (mW/cm2) t 20cm (w/m²) r r r r r r r r r r r r r r r r r r r	cm) FCC cm) Canada //m²) FCC //m²) FCC //m²) Canada h Canada General Population Meters for Complaince with nary Tx Frequeny (MHz) 2402  Tx Frequeny (MHz) 2412  Simlutaneous MPE Ca Transmitter 2 2402 0.02	$\begin{split} S_{20} &= (P_A G_N) / (4\pi R_{20})^2 \\ S_{20} &= (P_A G_N) / (4\pi R_{20})^2 \\ S_{20} &= (P_A G_N) / (4\pi R_{20})^2 \\ R_C &= \sqrt{(P_A G_N)^4 4\pi_{N3}} \\ R_C &= \sqrt{(P_A G_N)^4 4\pi_{N3}} \\ S_C &= (P_A G_N) / (4\pi R_C)^2 \\ S_C &= (P_A G_N) / (4\pi R_C)^2 \\ Limits, User Manual must indicate Canada General Population Limits, \\ & \\ \hline Power Total (mW) \\ 1.76 \\ \hline Power Total (mW) \\ 7.89 \\ \hline \hline Power Total (mW) \\ 17.82 \\ \hline \\ 17.82 \\ \hline \\ 17.82 \\ \hline \\ 17.82 \\ \hline \\ 19.00 \\ \hline \\ 19.$	10    f (MHz) =   P <sub>T</sub> (mW) =   % =   P <sub>A</sub> (mW) =   GN (numeric) =   S20 (mW/cm²) =   S20 (mW/cm²) =   S <sub>L</sub> (W/m²) =   S <sub>L</sub> (W	2402 1,7620 1,7620 1,762 2,13 0,001 0,01 1,000 5,351 0,5 0,7 10,000 5,352 20 0,7 0,01  Public Limit S <sub>L</sub> (W/m²) 5,351 SL (W/m²) 5,351	2402 1.7620 1.762	mW % mw numeric mW/cm2 W/m² W/m² cm cm W/m² W/m² cm	5.35 SC (W/m2 5.35 SC (W/m2

Rogers Labs, a division of The Compatibility Center LLC Garmin International, Inc. 7915 Nieman Road FCC ID: IPH-04438 IC: 1792A-04438 PMN: A04438

Lenexa, KS 66214 Test: 240304 SN's: 3475527948, 3465437947, 865000094, 865000102

Phone/Fax: (913) 660-0666 Test to: 47CFR 15C, RSS-102/-210/-247 Date: August 12, 2024 Revision 3 File: A04438 RF Exemption r2 Page 1 of 3

### Bluetooth

xposure uses EIRP for dB gain compared to ower density in mW/c	an isotropic radia' m^2 ansmitter Output p Transmitter Output p Transmitter Output p 6 duty Cycle opera Calculation pc Adjusted P 1,5.943 1,5.943 1,7.92  EIRP 4 p r^2	power (mW) it power (mW) it power (W) 100 ation (Watts) bower (Watts) bower (Watts)  Power (dBm)  FCC radio fr (MHz) 00 500 0,000  IC radio freq (MHz) 000 5,000 000	0.008 0.008 0.008 0.008	Anten dBd + 2.17 = dB  Anten Ant EIRP = I  Final	Antenna Gain (dBi) enna Gain (Numeric)	0.94 1.24 2.17 -1.23 0.94 1.24 9.910 B 7.740		
ower density in mW/c Tr Cycle operation (Watts Dutput Power for 1009 2400  0.0  Calculated ERP (mw Calculated EIRP (mw Power density (S) mw, r (cm) EIRP (mW)  ccupational Limit mW/cm² W/m² cupational Limit mW/m² w/m² ccupational Limit	m^2 ansmitter Output p ansmitter Output p Transmitter Output p 6 duty Cycle opera 2 Calculation pc 0 Adjusted P 0 15.943 0 9.795  EIRP 4 p r^2  11 Frequency 30-30 300-1, 1,500-10  Frequency 100-6,6 6,000-15 48-30 300-6,6	power (mW) tt power (W) 100 ation (Watts) ower (Watts) ower (dBm)  FCC radio fr (MHz) 100 1C radio freq (MHz) 100 1C radio freq (MHz) 100 100 100 100 100 100 100 100 100 10	0.008 0.008 0.008 0.008 0.008 8.97  8.97  Cocupational Limit (mW/n f/300 5  Occupational Limit (W/n 0.6455) <sup>0.5</sup>	Anten	enna Gain (Numeric)  dBi to dBd  Antenna Gain (dBd)  na minus cable (dBi)  enna Gain (Numeric)  to(dBm) + Gain (dB)  adiated (EIRP) dBm  ERP = EIRP - 2.17 d	1.24 2.17 -1.23 0.94 1.24 9.910		
Calculated ERP (mw Calculated ERP (mw Calculated EIRP (mw) Power density (S) mw, r (cm) EIRP (mW)  ccupational Limit mW/cm² W/m² W/m²  ccupational Limit mW/cm² W/m² ccupational Limit mW/cm² W/m² ccupational Limit mW/cm² w/m² ccupational Limit w/m² w/m² ccupational Limit	ansmitter Output p Transmitter Output p Transmitter Outpu ) 6 duty Cycle opera 2	at power (W) 100 100 1100 (Watts) 100 1100 (Watts) 100 1100 (Watts) 100 1100 (Will) 1100 (	0.008 0.008 0.008 0.008 0.008 8.97  8.97  Cocupational Limit (mW/n f/300 5  Occupational Limit (W/n 0.6455) <sup>0.5</sup>	Anten	enna Gain (Numeric)  dBi to dBd  Antenna Gain (dBd)  na minus cable (dBi)  enna Gain (Numeric)  to(dBm) + Gain (dB)  adiated (EIRP) dBm  ERP = EIRP - 2.17 d	1.24 2.17 -1.23 0.94 1.24 9.910		
Cycle operation (Watts: Dutput Power for 1009 2402  0.0  Calculated ERP (mw Calculated EIRP (mw Power density (S) mw, r (cm) EIRP (mW)  ccupational Limit mW/cm² W/m² everal Public Limit mW/cm² W/m² ccupational Limit w/m² everal Public Limit w/m² ccupational Limit w/m² everal Public Limit w/m² everal Public Limit w/m² everal Public Limit w/m² everal Public Limit	Transmitter Outpu) 6 duty Cycle opera 2 Calculation pc 3 Adjusted P 1) 5.943 9.795 EIRP 2 Frequency 30-30 300-1,5 1,500-10 Frequency 100-6,6 6,000-15 48-30 300-6,6	at power (W) 100 100 1100 (Watts) 100 1100 (Watts) 100 1100 (Watts) 100 1100 (Will) 1100 (	0.008 0.008 0.008 0.008 0.008 8.97  8.97  Cocupational Limit (mW/n f/300 5  Occupational Limit (W/n 0.6455) <sup>0.5</sup>	Anten	enna Gain (Numeric)  dBi to dBd  Antenna Gain (dBd)  na minus cable (dBi)  enna Gain (Numeric)  to(dBm) + Gain (dB)  adiated (EIRP) dBm  ERP = EIRP - 2.17 d	1.24 2.17 -1.23 0.94 1.24 9.910		
Calculated ERP (mw Calculated ERP (mw Calculated EIRP (mw Power density (S) mw, r (cm) EIRP (mW) ccupational Limit mW/cm² W/m² eneral Public Limit W/m² ccupational Limit	Calculation pc	100 tion (Watts) ower (Watts) ower (dBm)  Power (dBm)  FCC radio fr (MHz) 100 tion (MHz) 100 tio	equency radiation exposure I  Occupational Limit (W/n  Occupational Limit (W/n  Occupational Limit (W/n  Occupational Limit (W/n	Anten	enna Gain (Numeric)  dBi to dBd  Antenna Gain (dBd)  na minus cable (dBi)  enna Gain (Numeric)  to(dBm) + Gain (dB)  adiated (EIRP) dBm  ERP = EIRP - 2.17 d	1.24 2.17 -1.23 0.94 1.24 9.910		
Dutput Power for 100% 2400  Calculated ERP (mw Calculated EIRP (mw)  Power density (S) mw,  r (cm) EIRP (mW)  ccupational Limit mW/cm² W/m² meral Public Limit mW/m² W/m²  ccupational Limit W/m² ccupational Limit w/m² ccupational Limit w/m² ccupational Limit w/m² ccupational Limit w/m² ccupational Limit w/m² ccupational Limit w/m² ccupational Limit	Calculation pc Calcul	ation (Watts) ower (Watts) ower (Watts) ower (dBm)  FCC radio fr (MHz) 00  IC radio freq (MHz) 000  5,000  00	0.008  0.008  8.97  8.97  Cocupational Limit (mW/o  1  67300  5  S  unency radiation exposure lim  Occupational Limit (W/n  0.6455) <sup>0.5</sup>	Anten	enna Gain (Numeric)  dBi to dBd  Antenna Gain (dBd)  na minus cable (dBi)  enna Gain (Numeric)  to(dBm) + Gain (dB)  adiated (EIRP) dBm  ERP = EIRP - 2.17 d	1.24 2.17 -1.23 0.94 1.24 9.910		
Calculated ERP (mw Calculated EIRP (mw Calculated EIRP (mw Power density (S) mw, r (cm) EIRP (mW) ccupational Limit mW/cm² W/m² W/m² ccupational Limit mW/cm² W/m² ccupational Limit W/m²	2 Calculation pc 3 Adjusted P 5,943 9,795  EIRP  /cm² = EIRP	Power (Watts) Power (dBm)  FCC radio fr (MHz) 00  IC radio freq (MHz) 000  6,000  000	0.008  8.97  8.97  Occupational Limit (mV/n f300)  5  Unency radiation exposure limit (W/n occupational Limit (W/n occupationa	Anten	dBi to dBd  Antenna Gain (dBd)  na minus cable (dBi)  enna Gain (Numeric)  to(dBm) + Gain (dB)  adiated (EIRP) dBm  ERP = EIRP - 2.17 d	2.17 -1.23 0.94 1.24 9.910		
Calculated ERP (mw Calculated EIRP (mw Power density (S) mw, r (cm) EIRP (mW)  ccupational Limit mW/cm² W/m² eneral Public Limit mW/m² W/m² ccupational Limit W/m² eneral Public Limit W/m² eneral Public Limit W/m² eneral Public Limit	Adjusted P ) 5,943 ) 9,795  /cm² = EIRP /cm² = 4 p r^2  Frequency 30-30 300-1,5 1,500-10  Frequency 100-6,6 6,000-15 48-30 300-6,6	Power (dBm)  FCC radio fr (MHz)  00  500  0,000  IC radio freq (MHz)  000  5,000  000	equency radiation exposure I  Occupational Limit (mW/e  1  £7300  5  uency radiation exposure lim  Occupational Limit (W/n  0.6455/ <sup>0.5</sup>	Anten Ant EIRP = I  imits per 1.1310  m²) Public Limit (mW/cm²) 0.2 f/1500 1 1 its per RSS-102 Public Limit (W/m²)	Antenna Gain (dBd) na minus cable (dBi) enna Gain (Numeric) to(dBm) + Gain (dB) adiated (EIRP) dBm ERP = EIRP - 2.17 d	-1.23 0.94 1.24 9.910		
Calculated ERP (mw Calculated EIRP (mw Power density (S) mw, r (cm) EIRP (mW) cccupational Limit mW/cm² W/m² cneral Public Limit mW/m² W/m² cccupational Limit W/m² eneral Public Limit W/m² ccupational Limit W/m² ccupational Limit W/m² cneral Public Limit W/m²	) 5.943 ) 9.795 EIRP /cm² = EIRP 4 p r^2 1 Frequency 30-30 300-1, 1,500-10 Frequency 100-6,6 6,000-15 48-30 300-6,6	FCC radio fr (MHz) 10 500 500 10 10 10 10 10 10 10 10 10	requency radiation exposure I  Occupational Limit (mW/s  1  6/300  5   uency radiation exposure lim  Occupational Limit (W/n  0.6455) <sup>0.5</sup>	Ant EIRP = I  P  imits per 1.1310  m²) Public Limit (mW/cm²) 0.2  f/1500  1  its per RSS-102  Public Limit (W/m²)	na minus cable (dBi) enna Gain (Numeric) o(dBm) + Gain (dB) adiated (EIRP) dBm ERP = EIRP - 2.17 d	0.94 1.24 9.910		
Calculated ERP (mw Calculated EIRP (mw Power density (S) mw, r (cm) EIRP (mW) cccupational Limit mW/cm² W/m² cneral Public Limit mW/m² W/m² cccupational Limit W/m² eneral Public Limit W/m² ccupational Limit W/m² ccupational Limit W/m² cneral Public Limit W/m²	) 5.943 ) 9.795 EIRP /cm² = EIRP 4 p r^2 1 Frequency 30-30 300-1, 1,500-10 Frequency 100-6,6 6,000-15 48-30 300-6,6	FCC radio fr (MHz) 10 500 500 10 10 10 10 10 10 10 10 10	requency radiation exposure I  Occupational Limit (mW/s  1  6/300  5   uency radiation exposure lim  Occupational Limit (W/n  0.6455) <sup>0.5</sup>	Ant EIRP = I  P  imits per 1.1310  m²) Public Limit (mW/cm²) 0.2  f/1500  1  its per RSS-102  Public Limit (W/m²)	na minus cable (dBi) enna Gain (Numeric) o(dBm) + Gain (dB) adiated (EIRP) dBm ERP = EIRP - 2.17 d	0.94 1.24 9.910		
Calculated ERP (mw Calculated EIRP (mw Power density (S) mw, r (cm) EIRP (mW) cccupational Limit mW/cm² W/m² cneral Public Limit mW/m² W/m² cccupational Limit W/m² eneral Public Limit W/m² ccupational Limit W/m² ccupational Limit W/m² cneral Public Limit W/m²	) 5.943 ) 9.795 EIRP /cm² = EIRP 4 p r^2 1 Frequency 30-30 300-1, 1,500-10 Frequency 100-6,6 6,000-15 48-30 300-6,6	FCC radio fr (MHz) 10 500 500 10 10 10 10 10 10 10 10 10	requency radiation exposure I  Occupational Limit (mW/s  1  6/300  5   uency radiation exposure lim  Occupational Limit (W/n  0.6455) <sup>0.5</sup>	Ant EIRP = I  P  imits per 1.1310  m²) Public Limit (mW/cm²) 0.2  f/1500  1  its per RSS-102  Public Limit (W/m²)	enna Gain (Numeric) Po(dBm) + Gain (dB) adiated (EIRP) dBm ERP = EIRP - 2.17 d	1.24 9.910		
Calculated EIRP (mw Power density (S) mw, r (cm) EIRP (mW) ccupational Limit mW/cm² W/m² eneral Public Limit mW/m² W/m² ccupational Limit W/m² eneral Public Limit W/m² eneral Public Limit W/m²	) 9.795	(MHz) 00 500 0,000  IC radio freq (MHz) 000 5,000 00	Occupational Limit (mW/s)  1  #300  5  puency radiation exposure lim  Occupational Limit (W/n)  0.6455/ <sup>0.5</sup>	imits per 1.1310  imits per 1.1310  imits per 1.1310  imit per 1.1310  imit per 1.1310  1  1  1  1  1  1  1  1  1  1  1  1	o(dBm) + Gain (dB) adiated (EIRP) dBm ERP = EIRP - 2.17 d	9.910 B		
Calculated EIRP (mw Power density (S) mw, r (cm) EIRP (mW) ccupational Limit mW/cm² W/m² eneral Public Limit mW/m² W/m² ccupational Limit W/m² eneral Public Limit W/m² eneral Public Limit W/m²	) 9.795	(MHz) 00 500 0,000  IC radio freq (MHz) 000 5,000 00	Occupational Limit (mW/s)  1  #300  5  puency radiation exposure lim  Occupational Limit (W/n)  0.6455/ <sup>0.5</sup>	imits per 1.1310  m²) Public Limit (mW/cm²)  0.2  £/1500  1  1  its per RSS-102  Public Limit (W/m²)	adiated (EIRP) dBm ERP = EIRP - 2.17 d	В		
Power density (S) mW,  r (cm) EIRP (mW)  ccupational Limit mW/cm² W/m² eneral Public Limit mW/cm² W/m²  ccupational Limit W/m² eneral Public Limit W/m² eneral Public Limit W/m²	EIRP   4 p r^2	(MHz) 00 500 0,000  IC radio freq (MHz) 000 5,000 00	Occupational Limit (mW/s)  1  #300  5  puency radiation exposure lim  Occupational Limit (W/n)  0.6455/ <sup>0.5</sup>	imits per 1.1310  m²) Public Limit (mW/cm²)  0.2  f71500  1  its per RSS-102  Public Limit (W/m²)	ERP = EIRP - 2.17 d	В		
r (cm) EIRP (mW)  ccupational Limit  mW/cm²  W/m²  eneral Public Limit  mW/cm²  W/m²  ccupational Limit  W/m²  W/m²  eneral Public Limit  W/m²  eneral Public Limit  W/m²	/cm² =	(MHz) 00 500 0,000  IC radio freq (MHz) 000 5,000 00	Occupational Limit (mW/s)  1  #300  5  puency radiation exposure lim  Occupational Limit (W/n)  0.6455/ <sup>0.5</sup>	imits per 1.1310  m²) Public Limit (mW/cm²)  0.2  f/1500  1  .  its per RSS-102  Public Limit (W/m²)	Radiated (ERP) dBm	7.740		
r (cm) EIRP (mW)  ccupational Limit  mW/cm²  W/m²  eneral Public Limit  mW/cm²  W/m²  ccupational Limit  W/m²  W/m²  eneral Public Limit  W/m²  eneral Public Limit  W/m²	4 p r^2    1	(MHz) 00 500 0,000  IC radio freq (MHz) 000 5,000 00	Occupational Limit (mW/s)  1  #300  5  puency radiation exposure lim  Occupational Limit (W/n)  0.6455/ <sup>0.5</sup>	imits per 1.1310  m²) Public Limit (mW/cm²)  0.2  f/1500  1  .  its per RSS-102  Public Limit (W/m²)				
ccupational Limit mW/cm² W/m² w/m² meral Public Limit mW/cm² W/m² w/m² ccupational Limit W/m² w/m² eneral Public Limit W/m²	Trequency   30-30   300-1,5   1,500-10	(MHz) 00 500 0,000  IC radio freq (MHz) 000 5,000 00	Occupational Limit (mW/s)  1  #300  5  puency radiation exposure lim  Occupational Limit (W/n)  0.6455/ <sup>0.5</sup>	m²) Public Limit (mW/cm²)  0.2  \$1500  1  .  iits per RSS-102  Public Limit (W/m²)  1.291				
ccupational Limit mW/cm² W/m² w/m² meral Public Limit mW/cm² W/m² w/m² ccupational Limit W/m² w/m² eneral Public Limit W/m²	Frequency 30-30 300-1,2 1,500-10 Frequency 100-6,6 6,000-15 48-30 300-6,6	(MHz) 00 500 0,000  IC radio freq (MHz) 000 5,000 00	Occupational Limit (mW/s)  1  #300  5  puency radiation exposure lim  Occupational Limit (W/n)  0.6455/ <sup>0.5</sup>	m²) Public Limit (mW/cm²)  0.2  \$1500  1  .  iits per RSS-102  Public Limit (W/m²)  1.291				
mW/cm² W/m² w/m² peraral Public Limit mW/cm² W/m² w/m² ccupational Limit W/m² W/m² eneral Public Limit W/m²	Frequency 30-30 300-1,: 1,500-10 Frequency 100-6,6 6,000-15 48-30 300-6,6	(MHz) 00 500 0,000  IC radio freq (MHz) 000 5,000 00	Occupational Limit (mW/s)  1  #300  5  puency radiation exposure lim  Occupational Limit (W/n)  0.6455/ <sup>0.5</sup>	m²) Public Limit (mW/cm²)  0.2  \$1500  1  .  iits per RSS-102  Public Limit (W/m²)  1.291				
mW/cm² W/m² w/m² peraral Public Limit mW/cm² W/m² w/m² ccupational Limit W/m² W/m² eneral Public Limit W/m²	Frequency 30-30 300-1,: 1,500-10 Frequency 100-6,6 6,000-15 48-30 300-6,6	(MHz) 00 500 0,000  IC radio freq (MHz) 000 5,000 00	Occupational Limit (mW/s)  1  #300  5  puency radiation exposure lim  Occupational Limit (W/n)  0.6455/ <sup>0.5</sup>	m²) Public Limit (mW/cm²)  0.2  \$1500  1  .  iits per RSS-102  Public Limit (W/m²)  1.291				
mW/cm² W/m² w/m² peraral Public Limit mW/cm² W/m² w/m² ccupational Limit W/m² W/m² eneral Public Limit W/m²	Frequency 30-30 300-1,: 1,500-10 Frequency 100-6,6 6,000-15 48-30 300-6,6	(MHz) 00 500 0,000  IC radio freq (MHz) 000 5,000 00	Occupational Limit (mW/s)  1  #300  5  puency radiation exposure lim  Occupational Limit (W/n)  0.6455/ <sup>0.5</sup>	m²) Public Limit (mW/cm²)  0.2  \$1500  1  .  iits per RSS-102  Public Limit (W/m²)  1.291				
W/m² eneral Public Limit mW/cm² W/m²  ccupational Limit W/m² W/m² eneral Public Limit W/m²	30-30 300-1,5 1,500-10 Frequency 100-6,6 6,000-15 48-30 300-6,6	00 500 0,000 IIC radio freq (MHz) 000 5,000	1 f7300 5  uency radiation exposure lim Occupational Limit (W/n 0.6455) <sup>0.5</sup>	0.2 \$71500 1 its per RSS-102 Public Limit (W/m²)				
eneral Public Limit mW/cm² W/m²  ccupational Limit W/m² W/m² eneral Public Limit W/m²	300-1,500-10 1,500-10 Frequency 100-6,6 6,000-15 48-30 300-6,6	IC radio freq (MHz) 000 5,000	uency radiation exposure lim  Occupational Limit (W/n  0.6455/ <sup>0.5</sup>	## ## ## ## ## ## ## ## ## ## ## ## ##				
mW/cm² W/m²  ccupational Limit W/m² W/m² eneral Public Limit W/m²	1,500-10  Frequency 100-6,6 6,000-15 48-30 300-6,6	IC radio freq (MHz) 000 5,000	juency radiation exposure lim  Occupational Limit (W/n  0.6455) <sup>0.5</sup>	its per RSS-102  Public Limit (W/m²)				
W/m² ccupational Limit W/m² W/m² eneral Public Limit W/m²	Frequency 100-6,0 6,000-15 48-30 300-6,0	IC radio freq (MHz) 000 5,000 00	uency radiation exposure lim  Occupational Limit (W/n  0.6455f <sup>0.5</sup>	n <sup>2</sup> ) Public Limit (W/m <sup>2</sup> ) 1.291				
ccupational Limit  W/m²  W/m²  eneral Public Limit  W/m²	Frequency 100-6,0 6,000-15 48-30 300-6,0	(MHz) 000 5,000 00	Occupational Limit (W/n 0.6455f <sup>0.5</sup>	n <sup>2</sup> ) Public Limit (W/m <sup>2</sup> ) 1.291				
W/m <sup>2</sup> W/m <sup>2</sup> eneral Public Limit W/m <sup>2</sup>	Frequency 100-6,0 6,000-15 48-30 300-6,0	(MHz) 000 5,000 00	Occupational Limit (W/n 0.6455f <sup>0.5</sup>	n <sup>2</sup> ) Public Limit (W/m <sup>2</sup> ) 1.291				
W/m <sup>2</sup> W/m <sup>2</sup> eneral Public Limit W/m <sup>2</sup>	Frequency 100-6,0 6,000-15 48-30 300-6,0	(MHz) 000 5,000 00	Occupational Limit (W/n 0.6455f <sup>0.5</sup>	n <sup>2</sup> ) Public Limit (W/m <sup>2</sup> ) 1.291				
W/m <sup>2</sup> W/m <sup>2</sup> eneral Public Limit W/m <sup>2</sup>	Frequency 100-6,0 6,000-15 48-30 300-6,0	(MHz) 000 5,000 00	Occupational Limit (W/n 0.6455f <sup>0.5</sup>	n <sup>2</sup> ) Public Limit (W/m <sup>2</sup> ) 1.291				
W/m <sup>2</sup> eneral Public Limit W/m <sup>2</sup>	Frequency 100-6,0 6,000-15 48-30 300-6,0	(MHz) 000 5,000 00	Occupational Limit (W/n 0.6455f <sup>0.5</sup>	n <sup>2</sup> ) Public Limit (W/m <sup>2</sup> ) 1.291				
eneral Public Limit W/m <sup>2</sup>	100-6,0 6,000-15 48-30 300-6,0	5,000 00 00	$0.6455f^{0.5}$	1.291				
W/m <sup>2</sup>	6,000-15 48-30 300-6,0	5,000 00 000						
	48-30 300-6,0	000	50					
	48-30 300-6,0	000						
	300-6,0	000						
				$0.02619f^{0.6834}$				
	0,000 13		50	10				
		,,000	20	10	General Public	Occupational		
				f (MHz) =		2402	MHz	
				P <sub>T</sub> (mW) =	7.8886	7.8886		
				%=		100		
able Loss (mW)				P <sub>A</sub> (mW) =		7.89		
				GN (numeric) =			numeric	
7/cm2)			$S_{20}=(P_AG_N)/(4\pi R_{20})^2$	S20 (mW/cm2) =			mW/cm2	
1 <sup>2</sup> )			$S_{20} = (P_A G_N)/(4\pi R_{20})^2$	S <sub>20</sub> (W/m <sup>2</sup> ) =			W/m <sup>2</sup>	
1)			5 <sub>20</sub> -(F <sub>A</sub> G <sub>N</sub> )/(4)(K <sub>20</sub> )					
				S <sub>L</sub> (W/m <sup>2</sup> )=		50.000		
				$S_L (W/m^2)$		31.636		
ment for Compliance (cm)	FCC		$R_C = \sqrt{(P_A G_N / 4\pi s_i)}$	R <sub>C</sub> (cm) =		0.4	cm	
ment for Compliance (cm)	Canada		$R_C = \sqrt{(P_A G_N / 4\pi s_i)}$	R <sub>C</sub> (cm) =	1.2	0.5	cm	
pliance Distance R <sub>C</sub> (W/m <sup>2</sup>	FCC		$S_C = (P_A G_N)/(4\pi R_C)^2$	$S_C (W/m^2) =$	10.00	50.00	W/m <sup>2</sup>	
pliance Distance R <sub>C</sub> (W/m <sup>2</sup>	) Canada					31.64	W/m <sup>2</sup>	
-\			C (A N) ( C)					
mpliance with Canada	a General Populati	ion Limits, U	Jser Manual must indicate a	minimum separation distance of	1.2	m		
ions and Summary					Public Limit		Public	
Γx Duty Cycle (%)	Tx Frequenc	y (MHz)	Power Total (mW)	Antenna Gain (numeric)	$S_L (W/m^2)$	S <sub>20</sub> (W/m <sup>2</sup> )	R <sub>C</sub> (cm)	S <sub>C</sub> (W/m <sup>2</sup> )
100			8	1.24	10.000	0.02	0.9	10.00
100	2402	2	8	1.24	5.351	0.02	1.2	5.35
				Overall Minimum (cm)	Overall Minimum (in	nches)		
			Occupational					
(cm)	0.9		0.4					
(inches)	1.0		1.0					
	1.2							
da (cm)	1.0		1.0					
da (cm) da (inches)			0 111					
da (inches)			( Waroll Manumu					
			Overall Williams	1 cm				
pliance ompli fx Du	the Distance R <sub>C</sub> (W/minimum that Canada Or in Meters and Summary uty Cycle (%) 100 100 100 100 100 100 100 100 100 10	Or in Meters for Compliance w  and Summary  uty Cycle (%) Tx Frequenc  100 2400  100 2400  Publ  0.99  nes) 1.0  11.2	Public	te Distance $R_{\rm c}$ (W/m²) Canada $S_{\rm C}$ =( $P_{\rm A}G_{\rm N}$ )/( $4\pi R_{\rm C}$ )²  since with Canada General Population Limits, User Manual must indicate a 1 Or in Meters for Compliance with Canada General Population Limits, a 1 and Summary utty Cycle (%) Tx Frequency (MHz) Power Total (mW) 100 2402 8 100 2402 8  Limit Public Occupational 0.9 0.4 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	the Distance $R_c$ (W/m²) Canada $S_c = (P_A G_N)/(4\pi R_c)^2$ $S_c$ (W/m²) = R20= R20= R20= R20= R20= R20= R20= R2	tance with Canada General Population Limits, User Manual must indicate a minimum separation distance of Or in Meters for Compliance with Canada General Population Limits, a minimum separation distance of Or in Meters for Compliance with Canada General Population Limits, a minimum separation distance of U.2 of Or in Meters for Compliance with Canada General Population Limits, a minimum separation distance of U.2 of Or in Meters for Compliance with Canada General Population Limits, a minimum separation distance of U.2 of Or in Meters for Compliance with Canada General Population Limits, a minimum separation distance of U.2 of Or in Meters for Compliance with Canada General Population Limits, a minimum separation distance of U.2 of Or in Meters for Compliance with Canada General Population Limits, a minimum separation distance of U.2 of Or in Meters for Compliance with Canada General Population Limits, a minimum separation distance of U.2 of Or in Meters for Compliance with Canada General Population Limits, a minimum separation distance of U.2 of U.2 of Or in Meters for Compliance with Canada General Population Limits, a minimum separation distance of U.2 of U.2 of Or in Meters for Compliance with Canada General Population Limits, a minimum separation distance of U.2 of U.2 of Or in Meters for Compliance with Canada General Population Limits, united the C	the Distance $R_c$ (W/m²) Canada $S_c = (P_A G_N)/(4\pi R_c)^2$ $S_C$ (W/m²) = $R20$	the Distance $R_{c}$ (W/m²) Canada $S_{c}$ =( $P_{A}G_{N}$ )/(4 $\pi R_{c}$ )² $S_{c}$ (W/m²) = $R20$

 Rogers Labs, a division of The Compatibility Center LLC
 Garmin International, Inc.

 7915 Nieman Road
 FCC ID: IPH-04438 IC: 1792A-04438
 PMN: A04438

 Lenexa, KS 66214
 Test: 240304
 SN's: 3475527948, 3465437947, 865000094, 865000102

Phone/Fax: (913) 660-0666 Test to: 47CFR 15C, RSS-102/-210/-247 Date: August 12, 2024 Revision 3 File: A04438 RF Exemption r2 Page 2 of 3

### WiFi

		A04438		Test Number:	230405D			
MPE Calculator			on TX power added to the antenna g	gain in dBi.				
	dBi = dB gain compared to							
	S = power density in mW/cr	m 2 unsmitter Output power (mW	7) 17.8					
		ransmitter Output power (W						
Output Power for %					Antenna Gain (dBi)	4.16		
Output Power for % duty Cycle operation (Watts)  Output Power for 100% duty Cycle operation (Vatts)				Ante	nna Gain (Numeric)	2.61		
T. F. (2011)								
Tx Frequency (MHz)	2412	Calculation power (Watt	0.018	dBd + 2.17 = dBi	dBi to dBd	2.17		
					Antenna Gain (dBd)	1.99		
Cable Loss (dB)	0.0	Adjusted Power (dBn	n) 12.51	Antenna minus cable (dBi)		4.16		
				Ante	nna Gain (Numeric)	2.61		
	Calculated ERP (mw)			EIRP = Po(dBm) + Gain (dB)				
	Calculated EIRP (mw)	46.452		Radiated (EIRP) dBm		16.670		
		EIRP		ERP = EIRP - 2.17 Radiated (ERP) dBm				
	Power density (S) mw/					14.500		
		4 p r^2						
	( ) FIRD ( W)							
	r (cm) EIRP (mW)							
	Occupational Limit	FCC radio	frequency radiation exposure limits	per 1.1310				
5		Frequency (MHz)	Occupational Limit (mW/cm <sup>2</sup> )	Public Limit (mW/cm <sup>2</sup> )				
50.0		30-300	1	0.2				
50.0	General Public Limit	300-1,500	f/300	f/1500				
	mW/cm <sup>2</sup>	1,500-10,000	5	1				
10.0		1,555-10,000		1				
10.0	w/m							
	Occupational Limit							
$0.6455f^{0.5}$	W/m <sup>2</sup>	IC radio fre	quency radiation exposure limits pe	P RSS-102				
31.7		Frequency (MHz)	Occupational Limit (W/m²)	Public Limit (W/m²)				
31.1	_			Public Limit (W/m)				
0 683	General Public Limit	100-6,000	0.6455f <sup>0.5</sup>					
0.02619f <sup>0.6834</sup>		6,000-15,000	50					
5.37	W/m <sup>2</sup>	48-300		1.291				
		300-6,000		$0.02619 f^{0.6834}$				
		6,000-15,000	50	10				
A 700 1.00 1.00				0.0 577	General Public	Occupational	N CTT	
f = Transmit Frequency (MHz)				f (MHz) =			MHz	
P <sub>T</sub> = Power Input to Antenna (mW)				$P_{T}(mW) =$	17.8238	17.8238		
Duty cycle (percentage of operation)				% =		100		
P <sub>A</sub> = Adjusted Power due to Duty cy	cle or Cable Loss (mW)			$P_{A}(mW) =$		17.82		
G <sub>N</sub> = Numeric Gain of the Antenna				GN (numeric) =			numeric	
S20 = Power Density of device at 20	cm (mW/cm2)		$S_{20}=(P_AG_N)/(4\pi R_{20})^2$	S20 (mW/cm2) =	0.009	0.009	mW/cm2	
S <sub>20</sub> = Power Density of device at 20c	m (W/m <sup>2</sup> )		$S_{20}=(P_AG_N)/(4\pi R_{20})^2$	$S_{20} (W/m^2) =$	0.09	0.09	$W/m^2$	
S <sub>L</sub> = Power Density Limit (W/m <sup>2</sup> ) FO	CC			$S_L (W/m^2)=$		50.000	W/m <sup>2</sup>	
S <sub>L</sub> = Power Density Limit (W/m <sup>2</sup> ) Ca				$S_L(W/m^2)=$		31.702		
R <sub>C</sub> = Minimum distance to the Radia		ECC.	$R_C = \sqrt{(P_A G_N / 4\pi s_i)}$	R <sub>C</sub> (cm) =			cm	
$R_C$ = Minimum distance to the Radia			$R_C = \sqrt{(P_A G_N 4 \pi s_i)}$ $R_C = \sqrt{(P_A G_N 4 \pi s_i)}$	$R_C$ (cm) =			cm	
$S_C$ = Power Density of the device at t			$S_C = (P_A G_N)/(4\pi R_C)^2$	$S_C(W/m^2) =$			W/m <sup>2</sup>	
S <sub>C</sub> = Power Density of the device at t	he Compliance Distance R <sub>C</sub> (W/m <sup>2</sup> )	Canada	$S_C = (P_A G_N)/(4\pi R_C)^2$	$S_C (W/m^2) =$			W/m <sup>2</sup>	
R <sub>20</sub> = 20cm				R20=	20	20	cm	
	F C F H H	C ID I I I I	T M 1					
			User Manual must indicate a minin		2.6			
	Or in Meters f	or Compliance with Canada	General Population Limits, a minin	num separation distance of	0.03	Meters		
Summary Standalana MDF C	alculations and Common				Public Limit		Dublic	
Summary: Standalone MPE C		Ty Engage (A 417	Downer T-4-1 ( W/)	Antonno Gair (	Public Limit	C (NY/ 2)	Public P. (om)	C (337) 2
ECC	Tx Duty Cycle (%)	Tx Frequency (MHz)	Power Total (mW)	Antenna Gain (numeric)	S <sub>L</sub> (W/m <sup>2</sup> )	S <sub>20</sub> (W/m <sup>2</sup> )	R <sub>C</sub> (cm)	S <sub>C</sub> (W/m <sup>2</sup>
FCC	100	2412	18	2.61	10.000	0.09	1.9	10.00
Canada	100	2412	18	2.61	5.366	0.09	2.6	5.37
			Limit	Overall Minimum (cm)	Overall Minimum (i	nches)		
		Public	Occupational	O votan ivinillillilli (CIII)	Overan ivillillillillill (1	nenes)		
	FCC (cm)	1.9	0.9					
	FCC (inches)	1.9	1.0					
	Canada (cm)	2.6	1.1					
	Canada (inches)	2.0	1.0					
	()	2.0	1.0					
Overall Minimu	m Limit Public		Overall Minumu Limi	t Occuppational				
	3 cm			? cm				
	2 inches			inches				

 Rogers Labs, a division of The Compatibility Center LLC
 Garmin International, Inc.

 7915 Nieman Road
 FCC ID: IPH-04438 IC: 1792A-04438
 PMN: A04438

 Lenexa, KS 66214
 Test: 240304
 SN's: 3475527948, 3465437947, 865000094, 865000102

Phone/Fax: (913) 660-0666 Test to: 47CFR 15C, RSS-102/-210/-247 Date: August 12, 2024 Revision 3 File: A04438 RF Exemption r2 Page 3 of 3