	Occupational Limit		requency radiation exposure limits p					
5		Frequency (MHz)	Occupational Limit (mW/cm ²)	Public Limit (mW/cm ²)				
50 1 10		30-300	1	0.2				
	General Public Limit	300-1,500	f/300	f/1500				
	mW/cm ² W/m ²	1,500-10,000	5	1				
10	w/m							
	Occupational Limit							
0.6455 <i>f</i> ^{0.5} 39.7		IC radio free	uency radiation exposure limits per	RSS-102				
	W/m ²	Frequency (MHz)	Occupational Limit (W/m ²)	Public Limit (W/m ²)				
	General Public Limit	100-6,000	$0.6455f^{0.5}$					
0.02619 <i>f</i> ^{0.6834}	W/m ²	6,000-15,000	50					
5.4	W/m ²	48-300		1.291				
		300-6,000		$0.02619 f^{0.6834}$				
		6,000-15,000	50	10				
f = Transmit Frequecny (MHz))			f (MHz) =	2437	MHz		
$P_T =$ Power Input to Antenna (mW)				$P_T (mW) =$	14.5211	mW		
Duty cycle (percentage of operation)				% =		%		
$P_A = A djusted Power due to Duty cycle or Cable Loss (mW)$			$P_A(mW) =$					
G _N = Numeric Gain of the Antenna		2	GN (numeric) =		numeric			
		$S_{20} = (P_A G_N) / (4\pi R_{20})^2$	$S_{20} (mW/m^2) =$		mW/m ²			
		$S_{20} = (P_A G_N) / (4\pi R_{20})^2$	$S_{20} (W/m^2) =$	0.12 W/m ²				
S _L = Power Density Limit (W/m ²)				$S_L (W/m^2) =$	5.404 W/m ²			
			$R_{C} = \sqrt{(P_A G_N / 4\pi s_1)}$	$R_{\rm C}$ (cm) =		2.9 cm		
$S_C =$ Power Density of the device at the Compliance Distance $R_C (W/m^2)$ $R_{20} = 20 cm$		$S_{\rm C} = (P_{\rm A}G_{\rm N})/(4\pi R_{\rm C})^2$	$S_{C} (W/m^{2}) = R20 =$	5.40 W/m ² 20 cm		7 0	inches	
n ₂₀ – 200 m				K20=	20	CIII	7.9	110105
Summary: Standalone MP	E Calculations and Summary							
	Tx Duty Cycle (%)	Tx Frequeny (MHz)	Power Total (mW)	Antenna Gain (dBi)	$S_L (W/m^2)$	S ₂₀ (W/m ²)	R _C (cm)	S _C (W/n
Band (MHZ)					5.404	0.12	2.9	5.40

Rogers Labs, Inc. 4405 West 259th Terrace Louisburg, KS 66053 Phone/Fax: (913) 837-3214 Revision 1 Garmin International, Inc. SN Model: A03851 Test: 210504 Test to: 47CFR 15C, RSS-Gen RSS-247 File: A03851 RFExp

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