	M 11	CN (N) 01012		T . N 1	T . N 1 100505		
MPE Calculator		GMN-01912	and on TV n	Test Number: 190506			
VIPE Calculator	RF Exposure uses EIRP for calculation. EIRP is based on dBi = dB gain compared to an isotropic radiator.			ower added to the antenna ga	III III UDI.		
	S = power density in mW/cm						
Tra	nsmitter maximum Output pow		(Watts)	0.0740			
Percent Duty Cycle operation (%				100.0		Antenna Gain (dBi)	-10.7
	Output Power for 100% duty Cycle operation (Watts			0.0740	Ant	enna Gain (Numeric)	0.09
Tx Frequency (MHz)	2437	Calcualtion power		0.0740	dBd + 2.17 = dBi	` '	2.2
		, , , , , , , , , , , , , , , , , , , ,				Antenna Gain (dBd)	-12.8
Cable Loss (dB)	0.0	Adjusted Power (dBm)		18.69	Anter	na minus cable (dBi)	-10.70
	Calculated ERP (mw) 3.82			0.00	EIRP = Po	o(dBM) + Gain (dB)	
	Calculated EIRP (mw) 6.30			0.01			7.992
					ERP = EIRP - 2.17 dl		
	Power density (S) mW/cm ² = EIRP 4 p r ²				I	Radiated (ERP) dBm	
		4 1 1 2					
	r (cm) EIRP (mW)						
	Occupational Limit			ncy radiation exposure limits p			
5 50		Frequency (MH	(z) Oc	cupational Limit (mW/cm ²)	Public Limit (mW/cm ²)		
	W/m^2	30-300		1	0.2		
	General Public Limit	300-1,500		f/300	f/1500		
1	mW/cm ²	1,500-10,000		5	1		
10	W/m ²						
	Occupational Limit						
$0.6455 f^{0.5}$ 39.7	W/m^2	IC radio free		quency radiation exposure limits per RSS-102			
		Frequency (MHz)		ccupational Limit (W/m²)	Public Limit (W/m ²)		
	General Public Limit	100-6,000		$0.6455f^{0.5}$, ,		
$0.02619f^{0.6834}$		6,000-15,000)	50			
5.4	_	48-300			1.291		
3.4	W/III				$0.02619f^{0.6834}$		
		300-6,000		50			
		6,000-15,000	,	30	10		
= Transmit Frequecny (MHz	z)				f (MHz) =	2437	
P _T = Power Input to Antenna (mW)					P_{T} (mW) =	74.0000	
Outy cycle (percentage of operation)					% =	100.0	
P _A = Adjusted Power due to Duty cycle or Cable Loss (mW)					$P_A(mW) =$	74.00	
G _N = Numeric Gain of the Antenna					GN (numeric) =	0.09	
S_{20} = Power Density of device at $20 \text{cm} (\text{W/m}^2)$			Saa=	$(P_AG_N)/(4\pi R_{20})^2$	$S_{20} (W/m^2) =$	0.01	
$S_L = \text{Power Density Limit } (W/m^2)$			20-	(- A -11)' (**** 20)	$S_L (W/m^2) =$	5.404	
$R_C = \text{Minimum distance to the Radiating Element for Compliance (cm)}$		R _r =\	$I_{(P_AG_N/4\pi s_t)}$	R_{C} (cm) =	1.0		
S_C = Power Density of the device at the Compliance Distance R_C (W/m ²)				P_AG_N / $(4\pi R_C)^2$	$S_C(W/m^2) =$	5.40	
$R_{20} = 20$ cm		- (···· ···· /	50-0	AON/ (IMIC)	R20=	20	
	P. G. 11: 11: 2	1.6. 15	** ** **	N 1		1.0 c	
	For Complaince with Canada General Population Limits, User Manual must indicate a minimum seperation distance of Or in Meters for Complaince with Canada General Population Limits, a minimum seperation distance of						m Ieters
							ICICIS

Rogers Labs, Inc. 4405 West 259th Terrace Louisburg, KS 66053

Phone/Fax: (913) 837-3214

Phone/Fax: (913) 837-3212 Revision 1 Garmin International, Inc. Model: GMN-01912

Test: 190506

Test to: 47 CFR 15C, RSS-210, RSS-247 File: GMN01912 RF Exemption

SN's: 5MZ200112, 5MZ200082 FCC ID: IPH-03333 IC: 1792A-03333

Date: November 15, 2019

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