	INTO	EGV2		T (N 1	240416			
MDE Calaulatan	HVIN:		TV	Test Number:	240416			
MPE Calculator	dBi = dB gain compared to a		on TX power added to the antenna g	gain in dBi.				
	S = power density in mW/cm							
		nsmitter Output power (mW	2.100000					
		ansmitter Output power (W						
Output Power for %		ansimuci Output power (w	1		Antenna Gain (dBi)	0		
Output Power for % duty Cycle operation (Watts) Output Power for 100% duty Cycle operation				Anta	enna Gain (Numeric)	1.00		
	Output 1 ower for 100 /8	duty Cycle operation (watt	0.002	And	illia Galli (Ivulliciic)	1.00		
Tx Frequency (MHz)	915	Calculation power (Watts	s) 0.002	dBd + 2.17 = dBi	dBi to dBd	2.17		
					Antenna Gain (dBd)	-2.17		
Cable Loss (dB)	0.0	Adjusted Power (dBn	1) 3.22		na minus cable (dBi)	0.00		
Caule Loss (db)	0.0	Adjusted I ower (dbir	3.22		enna Gain (Numeric)	1.00		
	Calculated ERP (mw)	1 274			o(dBm) + Gain (dB)	1.00		
	Calculated EIRP (mw)				adiated (EIRP) dBm	3.222		
	carearatea Effer (iii.i)			1.	ERP = EIRP - 2.17			
		EIRP		F	Radiated (ERP) dBm	1.052		
	Power density (S) mW/c				tadarea (Erti) aBii	11002		
		4 p r^2						
	r (cm) EIRP (mW)							
	I (cill) EIRF (lilw)							
	Occupational Limit	FCC radio	frequency radiation exposure limits	per 1.1310				
3.05	· · · ·	Frequency (MHz)	Occupational Limit (mW/cm ²)	Public Limit (mW/cm ²)				
30.5	_	30-300	1	0.2	i			
30	General Public Limit	300-1,500	f/300	f/1500				
0.00								
0.61		1,500-10,000	5	1	1			
6.1	W/m ²							
	_							
	Occupational Limit		1					
$0.6455f^{0.3}$	W/m ²	IC radio fre	equency radiation exposure limits pe	er RSS-102				
19.5	W/m^2	Frequency (MHz)	Occupational Limit (W/m ²)	Public Limit (W/m ²)				
	General Public Limit	100-6,000	$0.6455f^{0.5}$					
$0.02619f^{0.6834}$	W/m^2	6,000-15,000	50					
2.77	_	48-300		1.291				
2.11	W/III							
		300-6,000		$0.02619f^{0.6834}$				
		6,000-15,000	50	10	G 17 11	0 : 1		
				COMI	General Public	Occupational		
f = Transmit Frequency (MHz)				f (MHz) =			MHz	
$P_T = Power Input to Antenna (mW)$				$P_{T}(mW) =$		2.1000		
Duty cycle (percentage of operation)				% =		100		
$P_A = Adjusted Power due to Duty cycle$	cle or Cable Loss (mW)			$P_{A}(mW) =$	2.10	2.10	mW	
G _N = Numeric Gain of the Antenna				GN (numeric) =	1.00	1.00	numeric	
S_{20} = Power Density of device at 20cm (mW/m ²)			$S_{20} = (P_A G_N)/(4\pi R_{20})^2$	$S_{20} (mW/m^2) =$	0.00	0.00	mW/m ²	
S_{20} = Power Density of device at 20cm (W/m ²)			$S_{20} = (P_A G_N)/(4\pi R_{20})^2$	$S_{20} (W/m^2) =$	0.00	0.00	W/m^2	
$S_L = Power Density Limit (W/m^2) FO$			20 (A 17/ (20/	$S_{I} (W/m^2) =$		30.500		
				· · ·		19.526		
$S_L = Power Density Limit (W/m^2) Canada$			D /	$S_L(W/m^2)=$				
R _C = Minimum distance to the Radiating Element for Compliance (cm) FCC		$R_C = \sqrt{(P_A G_N / 4\pi S_t)}$	R_{C} (cm) =		0.2	cm		
R _C = Minimum distance to the Radiating Element for Compliance (cm) Canada		$R_C = \sqrt{(P_A G_N / 4\pi s_L)}$	R_{C} (cm) =		0.3	cm		
S _C = Power Density of the device at t	he Compliance Distance R _C (W/m ²) l	FCC	$S_C = (P_A G_N)/(4\pi R_C)^2$	$S_C(W/m^2) =$	6.10	30.50	W/m^2	
•	the Compliance Distance R _C (W/m ²)		$S_C = (P_A G_N)/(4\pi R_C)^2$	$S_C(W/m^2) =$			W/m ²	
$R_{20} = 20 \text{cm}$,		-c (* A S _N) (mac)	R20=			cm	
20				1020-	20	20		
	For Compliance with Canada	General Population Limits	User Manual must indicate a minir	num senaration distance of	0.8	cm		
			General Population Limits, a minir			Meters		
	Of in Michels 10	. compilance with Canada	Concret i Operation Limito, a Illilli	separation distance of	0.01			
Summary: Standalone MPE C	alculations and Summary				Public Limit		Public	
Sammary, Samuatone WHEC	Tx Duty Cycle (%)	Tx Frequency (MHz)	Power Total (mW)	Antenna Gain (numeric)	S _L (W/m ²)	S ₂₀ (W/m ²)		S _C (W/m ²)
FCC							R _C (cm)	
	100	915	2	1.00	6.100	0.00	0.5	6.10
Canada	100	915	2	1.00	2.767	0.00	0.8	2.77
			Limit	OII Min' ()	O11 M: : /:			
		Dul-11-	Limit	Overall Minimum (cm)	Overall Minimum (i	nenes)		
	ECC ()	Public	Occupational					
	FCC (cm)	0.5	0.2					
	FCC (inches)	1.0	1.0					
	Canada (cm)	0.8	0.3 1.0					
	Canada (inches)	1.0	1.0					
Overall Minimu	um Limit Dublia		Orrowall Minners I	t Occumetional				
			Overall Minumu Limi					
	l cm l inches			cm inches				
	menes			menes				

Rogers Labs, a division of The Compatibility Center LLC Transcore

7915 Nieman Road HVIN : 051168 PMN : 051168 SN: N/A Lenexa, KS 66214 Test: 240501 FCC ID: FIH051168 IC: 1584A-051168

Phone: (913) 660-0666 Test to: 47CFR Parts 2, 90 and RSS-137 Date: June 27, 2024

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