LigoWave		Model: WMR200	Test Number:	080824		
MPE Calculator	MPE uses E	IRP for calculation. EIRP	is based on TX po	wer added to	the antenna	gain in dBi.
	dBi = dB gain compared to an isotropic radiator.					
	S = power de	ensity in mW/cm ²				
					Gain (dBi)	24
		Output Power		dBd + 2.17 =		2.2
Tx Frequency (MHz)	2442	Maximum (Watts)	0.4950	Antenna	Gain (dBd)	21.83
Cable Loss (dB)	0.0	(dBm)	26.05	tenna minus	ooblo (dDi)	24.00
Cable Loss (ub)	0.0	(dDIII)	20.33	terma minus	cable (ubi)	24.00
Calculat	ed ERP (mw)	75440.611		EIRP = Po(d	BM) + Gain	(dB)
Calculated EIRP (mw)				Radiated (EIRP) dBm		50.94
				ERP = EIRP - 2.17 dB		
Occupational Limit		Power density (S)		Radiated (ERP) dBm	48.77
5.00000	mW/cm ²	EIRP				
		= mW/cm^2				
General	Public Limit	4 π r^2				
1,00000	mW/cm ²	r (cm) EIRP (mW)				
		FCC radio frequency rad	diation exposure limits p	per 1.1310		
		Frequency (MHz)	Occupational Limit	Public Limit		
		300-1,500	f/300	f/1500		
		1,500-10,000	5	1		
		FCC radio frequency radiation exposure limits per 1.1310				
				Public Limit @		
			Occupational Limit @	Tx Freq		
		Frequency (MHz)	Tx Freq (mW/cm^2)	(mW/cm^2)		
		300-1,500	8.14	1.628		
		1,500-10,000	5	1		
					_	
		EIRP	Distance	Distance	S	Distance
		milliwatts	cm	inches	mW/cm ²	Feet
		124338.378	400.00	157.48	0.06184	13.12
		124338.378	300.00	118.11	0.10994	9.84
		124338.378	235.00	92.52	0.17917	7.71
		124338.378	200.00	78.74	0.24736	6.56
		124338.378	150.00	59.06	0.43976	4.92
		124338.378	140.00	55.12	0.50482	4.59
		124338.378	130.00	51.18	0.58548	4.27
		124338.378	120.00	47.24	0.68712	3.94
		124338.378	110.00	43.31	0.81773	3.61 3.44
		124338.378 124338.378	105.00 100.00	41.34 39.37	0.89746 0.98945	3.44
		124338.378	90.00	35.43	1.22155	2.95
		124338.378	80.00	31.50	1.54602	2.62
		124338.378	50.00	19.69	3.95781	1.64
		124338.378	45.00	17.72	4.88619	1.48
		124338.378	15.00	5.91	43.97571	0.49
		124338.378	11.00	4.33	81.77301	0.36
				Dublic 1 : 2		
			Occupational Limit	Public Limit minimum		
			minimum Distance	distance (cm /		
		Frequency (MHz)	(cm / inches)	inches)		
		300-1,500	N/A	N/A		
		1,500-10,000	45 / 17.7	100 /39.4		

Rogers Labs, Inc. 4405 W. 259th Terrace Louisburg, KS 66053 Phone/Fax: (913) 837-3214 LigoWave Model: WMR200 Test #: 080824

Test to: FCC Parts 2, 15c, and RSS-210 $_{\mbox{\tiny File: RfExp\ WMR200}}$

FCC ID#: V2V-WMR200 IC: 7607A-WMR200

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