LigoWave		Model: WBD-500	Test Number:	080731		
MPE Calculator	MPF uses I	EIRP for calculation. E			he antenna gair	n in dBi
IVII E GUICUIULOI		in compared to an iso		in power added to t	no antonna gan	i iii dDi.
		lensity in mW/cm <sup>2</sup>	tropic radiator.			
	c ponore	ionolty in movem 2				
				Antei	nna Gain (dBi)	2
		Output Power		dBd + 2.17 = dBi	dBi to dBd	2.
Tx Frequency (MHz)	2442	Maximum (Watts)			na Gain (dBd)	21.8
, , , , , , , , , , , , , , , , , , , ,		,			(===)	
Cable Loss (dB)	0.0	(dBm)	27.33	Antenna min	us cable (dBi)	24.0
Calculate	d ERP (mw)	82405.532		EIRP = Po(dBM) + 0	Gain (dB)	
Calculated EIRP (		135817.699		Radiate	Radiated (EIRP) dBm	
				ERP = EIRP - 2.17		
Occupat	ional Limit	Power density (S)		Radiate	ed (ERP) dBm	49.16
5.00000	mW/cm <sup>2</sup>					
		= mW/cm^2				
General P	ublic Limit	4 π r^2				
1.00000	mW/cm <sup>2</sup>	r (cm) EIRP (mW)				
1100000	III VV/CIII					
		FCC radio frequenc	y radiation exposure	e limits ner 1 1310		
		Frequency (MHz)	Occupational Limit	Public Limit		
		300-1,500	f/300	f/1500		
		1,500-10,000	5	1		
		1,000 10,000				
		FCC radio frequenc	cy radiation exposure limits per 1.1310			
			Occupational Limit			
			@ Tx Freq	Public Limit @ Tx Freq		
		Frequency (MHz)	(mW/cm <sup>2</sup> )	(mW/cm <sup>2</sup> )		
		300-1,500	8.14	1.628		
		1,500-10,000	5	1		
					_	
		EIRP	Distance	Distance	S	Distance
		milliwatts	cm	inches	mW/cm <sup>2</sup>	Feet
		135817.699	400.00	157.48	0.06755	13.12
		135817.699	300.00	118.11	0.12009	9.84
		135817.699	235.00	92.52	0.19571	7.71
		135817.699	200.00	78.74	0.27020	6.56
		135817.699	150.00	59.06	0.48036	4.92
		135817.699	140.00	55.12	0.55143	4.59
		135817.699	130.00	51.18	0.63953	4.27
		135817.699	120.00	47.24	0.75056	3.94
		135817.699 135817.699	110.00 105.00	43.31 41.34	0.89323	3.61
		135817.699	105.00	41.34	0.98032 0.99926	3.44
		135817.699	103.00	40.55	1.01876	3.38
		135817.699	100.00	39.37	1.08080	3.28
		135817.699	50.00	19.69	4.32321	1.64
		135817.699	47.00	18.50	4.89272	1.54
		135817.699	15.00	5.91	48.03568	0.49
		135817.699	11.00	4.33	89.32255	0.49
		133011.033	11.00	4.33	03.32233	0.30
			Occupational Limit			
			minimum Distance	Public Limit minimum		
		Frequency (MHz)	(cm / inches)	distance (cm / inches)		
		300-1,500	N/A	N/A		
		1,500-10,000	47 / 18.5	104 / 41		

Rogers Labs, Inc. 4405 W. 259th Terrace Louisburg, KS 66053 Phone/Fax: (913) 837-3214 LigoWave Model: WBD-500 Test #: 080731

Test to: FCC Parts 2, 15c, IC

FCC ID#: V2V-WBD500 IC: 7607A-WBD500