MPE Calculator	Test Number 090528					
MPE uses EIRP for cale	culation. EIRP	is based on TX power	r added t	to the antenna	gain in dBi.	
	dBi = dB gain compared to an isotropic radiator.					
	S = power density in mW/cm^2				Antenna Gain (dBi)	40
		Output Power dl		2.17 = dBi	dBi to dBd	2.17
Tx Frequency (MHz)	24146.5	(Watts)	0.010998			37.83
		i		Ant	tenna minus cable (dBi)	40.00
Cable Loss (dB)	0.0	(dBm)	10.4			
Calculated ERP (mw)		66730.363			Radiated (EIRP) dBm	50.413
Calculated EIRP (mw)					, ,	
					Radiated (ERP) dBm	48.24
Occur	oational Limit	Power density	(S) =]	` ´	
5.00000 mW/cm ²		EIRP	(0)			
5.00000	m w/cm	= mW/c	m^2			
Ganara	l Public Limit	4 p r^2				
		[r (cm), EIRP	(mW)]			
1.00000	mW/cm ²			J		
		EGG # 0				
			frequency radiation exposu			
		Frequency (MHz)	Occupational Limit		Public Limit	
		300-1,500	f/300		f/1500	
		1,500-10,000		5	1	
		FCC radio frequ	ency rad	iation exposure	limits per 1.1310	
			_			
			Occupational Limit @			
		Frequency (MHz)	Tx Freq (mW/cm^2)		Freq (mW/cm^2)	
		300-1,500	80.4	48833333	16.09766667	
		1,500-10,000		5	1	
		EIRP	I	Distance	Distance	S
		milliwatts		cm	inches	mW/cm
		109982.474		100.00	39.37	0.87521
		109982.474		95.00	37.40	0.96976
		109982.474		93.00	36.61	1.01192
		109982.474		90.00	35.43	1.08051
		109982.474		80.00	31.50	1.36752
		109982.474		70.00	27.56	1.78615
		109982.474		60.00	23.62	2.43115
		109982.474		50.00	19.69	3.50085
		109982.474		45.00	17.72	4.32204
		109982.474		44.00	17.32	4.52073
		109982.474		43.00	16.93	4.73344
		109982.474		42.00	16.54	4.96152
		109982.474		41.00	16.14	5.20650
		109982.474		40.00	15.75	5.47008
		109982.474		30.00	11.81	9.72459
		107702.474		50.00	11.01	7.14439
			_			
			_	oational Limit		
			minim	um Distance	Public Limit minimum	
		Frequency (MHz)		(cm)	distance (cm)	
		300-1,500		N/A	N/A	
		1,500-10,000		42.00	93.00	

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Revision 1

LigoWave LLC Model: LigoPTP 24 Test #: 090528

Test to: FCC Parts 2, 15.249 File: RFExp V2VPTP24

FCC ID#: V2V-PTP24

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