Lectrosonics		Model: HHE	Test Number:	111114A		
MPE Calculator	MPE uses EIRP for calculation. EIRP is		-	added to the antenna g	gain in đBi.	
	-	n compared to an isotropic i	radiator.			
	S = power de	nsity in mW/cm^2				
					Antenna Gain (dBi)	
		Output Power		dBd + 2.17 = dBi	dBi to dBd	2.
Tx Frequency (MHz)	504	Maximum (Watts)	0.1000		Antenna Gain (dBd)	-1.1
Cable Loss (dB)	0.0	(dBm)	20.00	Ante	enna minus cable (dBi)	1.0
Calcula	ated ERP (mw)	76.384		EIRP = Po(dBM) + Ga	ain (dB)	
Calculated EIRP (mw)		125.893			Radiated (EIRP) dBm	21.00
				ERP = EIRP - 2.17 dB		
Occupa	ational Limit	Power density (S)			Radiated (ERP) dBm	18.83
1.68000 mW/cm <sup>2</sup>		$EIRP$ $= mW/cm^{2}$ $4 p r^{2}$ $r (cm) EIRP (mW)$				
16.80000 W/m <sup>2</sup>						
General Public Limit						
		I (CIII) EIKF (IIIW)				
	mW/cm <sup>2</sup>					
3.36000	) W/m <sup>2</sup>					
		FCC radio frequency	v radiation exposure	limits 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	y radiation exposure	limits per 1.1310		
			Occupational Limit	Public Limit @ Tx		
		Frequency (MHz)	@ Tx Freq	Freq (mW/cm <sup>2</sup> )		
		300-1,500 (mW/cm2)	1.68	0.336		
		300-1,500 (W/m2)	16.8	3.36		
		1,500-10,000 (mW/cm2)	5	1		
		1,500-10,000 (W/m2)	50	10		
		1,500-10,000 (11/11/2)		10		
EIRP	S	S	Distance	Distance	Distance	Distance
	mW/cm <sup>2</sup>	W/m <sup>2</sup>				
milliwatts	0.00100		cm	meter 1.00	inches 39.37	Feet 0.08
125.893		0.01002	100.00			
125.893	0.00401	0.04007	50.00	0.50	19.69	0.04
125.893	0.00626	0.06261	40.00	0.40	15.75	0.03
125.893	0.01113	0.11131	30.00	0.30	11.81	0.03
125.893	0.02505	0.25046	20.00	0.20	7.87	0.02
125.893	0.03092	0.30920	18.00	0.18	7.09	0.02
125.893	0.04453	0.44525	15.00	0.15	5.91	0.01
125.893	0.05111	0.51113	14.00	0.14	5.51	0.01
125.893	0.05928	0.59279	13.00	0.13	5.12	0.01
125.893	0.06957	0.69571	12.00	0.12	4.72	0.01
125.893	0.10018	1.00182	10.00	0.10	3.94	0.01
125.893	0.12368	1.23682	9.00	0.09	3.54	0.01
125.893	0.27828	2.78284	6.00	0.06	2.36	0.01
125.893	0.33118	3.31180	5.50	0.06	2.17	0.00
125.893	0.62614	6.26138	4.00	0.04	1.57	0.00
125.893	1.11313	11.13134	3.00	0.03	1.18	0.00
125.893	1.60291	16.02914	2.50	0.03	0.98	0.00
			Occupational Limit	Occupational Limit	Public Limit minimum	Public Limit minimus
			minimum Distance	minimum Distance	distance (meters)	distance (cm /
			(meters)	(cm / inches)	austance (meters)	inches)
		Frequency (MHz)	(meters)	(can / mettes)		nicites)
		300-1,500	0.03	2.5 / 1.0	0.06	5.5 / 2.2
		1,500-10,000	N/A	N/A	N/A	N/A

Rogers Labs, Inc. 4405 W. 259th Terrace Louisburg, KS 66053 Phone/Fax: (913) 837-3214 Revision 1 Lectrosonics, Inc. Model: HHE Test #: 111114A Test to: FCC Parts 2 and 74, RSS-123 Issue 2 File: RFExp HHE IC: 8024A-HHE FCC ID: DBZHHE SN: 3, 4, 5 Date: November 27, 2011 Page 1 of 1