MPE Calculator					
MPE uses EIRP for calcu		-	-		
		ed to an isotropic radiato			
	S = power density in n	nW/cm^2	dBd + 2.17 = dBi		
				Antenna Gain (dBi)	
		Output Power		dBi to dBd	2.1
Tx Frequency (MHz)	915	(Watts)	0.000521		-1.1
			Ant	enna minus cable (dBi)	1.0
Cable Loss (dB)	0.0	(dBm)	-2.83		
	Calculated ERP (mw) 0.398			Radiated (EIRP) dBm	-1.82
	Calculated EIRP (mw)	0.656			
		Power density (S)		Radiated (ERP) dBm	-3.99
	<b>Occupational Limit</b>	Tower density (5)			
3.05000	mW/cm <sup>2</sup>	EIRP			
		= mW/cm^2			
General Public Limit		4 p r^2			
0.61000		-			
0.01000	mw/cm	r (cm) EIRP (mW)			
		ECC and in frame		limits per 1 1210	
		FCC radio frequency radiation exposure			
		Frequency (MHz)	Occupational Limit	Public Limit	
		300-1,500	£/300	f/1500	
		1,500-100,000	5	1	
		FCC radio frequency radiation exposure limits per 1.1310			
			Occupational Limit	Public Limit @ Tx	
		Frequency (MHz)	@ Tx Freq	Freq (mW/cm^2)	
			(mW/cm^2)	Freq (in w/ein 2)	
		300-1,500	3.05	0.61	
		1,500-100,000	5	1	
		EIRP	Distance	Distance	S
		milliwatts	cm	inches	mW/cm <sup>2</sup>
		0.656	50.00	19.69	0.00002
		0.656	40.00	15.75	0.00002
		0.656	30.00	11.81	0.00006
		0.656	20.00	7.87	0.00013
		0.656	10.00	3.94	0.00052
		0.656	5.00	1.97	0.00209
		0.656			
			4.00	1.57	0.00326
		0.656	3.00	1.18	0.00580
		0.656	2.00	0.79	0.01306
		0.656	1.00	0.39	0.05223
		0.656	0.50	0.20	0.20892
		0.656	0.30	0.12	0.58032
		0.656	0.20	0.08	1.30572
		0.656	0.15	0.06	2.32129
		0.656	0.13	0.05	3.09047
		Frequency (MHz)	Occupational Limit minimum Distance (cm / in)	Public Limit minimum distance (cm / in)	
		300-1,500	0.13 / 0.05	0.30 / 0.12	

Rogers Labs, Inc. 4405 West 259<sup>th</sup> Terrace Louisburg, KS 66053 Phone/Fax: (913) 837-3214 Revision 1 Digital Monitoring Products, Inc. Model: 1107 Test #:101103 SN: 2000002 Test to: FCC Parts 2 and 15.249, RSS-210 File: RFExp CCKPC0133

FCC ID#: CCKPC0133 IC: 5251A-PC0133 Date: November 3, 2010 Page 1 of 1