Learn.Net		Model: 800-2407	Test Number:	120220		
MPE Calculator	MPE uses EI	RP for calculation. EIRP is	based on TX power a	added to the antenna g	gain in dBi.	
	dBi = dB gair	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	
Tx Frequency (MHz)	2474	_			Antenna Gain (dBd)	
Tarrequency (MIL)	24,4	- Tribuman (Traces)	0.001000		Tintenna Gair (aba)	-1.1
Cable Loss (dB)	0.0	(dBm)	0.00	Ante	enna minus cable (dBi)	1.00
()		(=)				
Calcula	ted ERP (mw)	0.764		EIRP = Po(dBM) + Ga	in (dB)	
Calculated EIRP (mw)				2114 10(42112)	Radiated (EIRP) dBm	1.000
Calculat	calla (mm)	1.233		ERP = EIRP - 2.17 dB	radiated (Errar) abin	2.00
Occupa	tional Limit	Power density (S)		214 2114 2117 422	Radiated (ERP) dBm	-1.170
		EIRP			readlated (Ltd.) dDill	-1.17
	mW/cm ²	= mW/cm^2				
50.00000	W/m ²	4 p r^2				
General	Public Limit	r (cm) EIRP (mW)				
1.00000	mW/cm ²					
10.00000	W/m ²					
10.00000	VV/III	FCC radio from	v radiation exposure l	imits per 1 1210	1	
		Frequency (MHz)	Occupational Limit	Public Limit		
			•			
		300-1,500	f/300	f/1500		
		1,500-10,000	5	1		
		EGG 1: A	4	1 1010		
		FCC radio frequency	y radiation exposure 1			
			Occupational Limit	Public Limit @ Tx		
		Frequency (MHz)	@ Tx Freq	Freq (mW/cm ²)		
		300-1,500 (mW/cm2)	8.246666667	1.649333333		
		300-1,500 (W/m2)	82.46666667	16.49333333		
		1,500-10,000 (mW/cm2)	5	1		
		1,500-10,000 (W/m2)	50	10		
EIRP	S	S	Distance	Distance	Distance	Distance
milliwatts	mW/cm ²	W/m ²	cm	meter	inches	Feet
1.259	0.00100	0.01002	10.00	0.10	3.94	0.01
1.259	0.00124	0.01237	9.00	0.09	3.54	0.01
1.259	0.00127	0.01565	8.00	0.08	3.15	0.01
1.259	0.00137	0.02045	7.00	0.07	2.76	0.01
1.259	0.00204	0.02783	6.00	0.06	2.36	0.01
1.259	0.00278	0.04007	5.00	0.05	1.97	0.00
1.259	0.00401	0.04007	4.00	0.03	1.57	0.00
1.259	0.00020	0.00201	3.00	0.04	1.18	0.00
1.259	0.01113	0.25046	2.00	0.03	0.79	0.00
1.259	0.02303	1.00182	1.00	0.02	0.79	0.00
		1.23682	0.90	0.009	0.35	
1.259	0.12368					0.001
1.259	0.15653	1.56535	0.80	0.008	0.31	0.001
1.259	0.20445	2.04453	0.70	0.007	0.28	0.001
1.259	0.27828	2.78284	0.60	0.006	0.24	0.001
1.259	0.40073	4.00728	0.50	0.005	0.20	0.000
1.259	0.62614	6.26138	0.40	0.004	0.16	0.000
	1.11313	11.13134	0.30	0.003	0.12	0.000
1.259						
			Occupational Limit	Occupational Limit	Public Limit minimum	Public Limit minimum
			Occupational Limit	Occupational Limit	Public Limit minimum	
			minimum Distance	minimum Distance	Public Limit minimum distance (meters)	distance (cm /
		Fraguency (AUL-)				
		Frequency (MHz) 300-1,500	minimum Distance	minimum Distance		distance (cm /

Rogers Labs, Inc. 4405 West 259th Terrace Louisburg, KS 66053 Phone/Fax: (913) 837 321

Phone/Fax: (913) 837-3214 Revision 1 Learn.Net, Inc. Model: 800-2407 Test #:120220

Test to: FCC Parts 2, 15C, 15.249, RSS-210 File: RFExp ZNQ8002407

SN: 03111525438 FCC ID#: ZNQ8002407 Date: March 8, 2012

Page 1 of 1