MPE Calculator		P for calculation. EIRP is based compared to an isotropic radiate		яша даш ш сты.		
		sity in mW/cm^2				
	o power deal				Antenna Gain (dBi)	16
		Output Power		dBd + 2.17 = dBi	dBi to dBd	2.
Tx Frequency (MHz)	5785	Maximum (Watts)	1.00		Antenna Gain (dBd)	14.3
		,				
Cable Loss (dB)	0.0	(dBm)	30.00	Anten	na minus cable (dBi)	16.5
	ulated ERP (mw)			EIRP = Po(dBM) + Gain (dB)		
Calcul	lated EIRP (mw)	14668.359			adiated (EIRP) dBm	46.50
Ocan	pational Limit	Power density (S)		ERP = EIRP - 2.17 dB	ladiated (ERP) dBm	44.33
	00 mW/cm ²			P	tadiated (EKF) dBiii	44.33
		EIRP				
	00 W/m ²	$ = mW/cm^2$ $4 p r^2$				
	ral Public Limit	- TP1 2				
	00 mW/cm ²	r (cm) EIRP (mW)				
10.0000	00 W/m ²					
			ncy radiation exposure limits per			
		Frequency (MHz)	Occupational Limit	Public Limit		
		300-1,500	f/300	f/1500		
		1,500-10,000	5	1		
		FCC #	c r.c r	. 1 1210		
		FCC radio	frequency radiation exposure lim	ats per 1.1310		
		Frequency (MHz)	Occupational Limit	Public Limit		
		300-1,500 (mW/cm2)	19.28333333	3.856666667		
		300-1,500 (W/m2)	192.8333333	38.56666667		
		1,500-10,000 (mW/cm2)	5	1		
		1,500-10,000 (W/m2)	50	10		
EIRP	S	S	Distance	Distance	Distance	Distance
milliwatts		W/m ²			inches	
44668.359	mW/cm ² 0.01422	0.14218	500.00	meter 5.00	196.85	Feet 0.42
44668.359	0.01422	0.14218	400.00	4.00	157.48	0.42
44668.359	0.02222	0.39496	300.00	3.00	118.11	0.33
44668.359	0.08886	0.88865	200.00	2.00	78.74	0.17
44668.359	0.08880	1.16068	175.00	1.75	68.90	0.17
44668.359	0.15798	1.57982	150.00	1.50	59.06	0.13
44668.359	0.35546	3.55460	100.00	1.00	39.37	0.08
44668.359	0.43884	4.38839	90.00	0.90	35.43	0.08
44668.359	0.55541	5.55405	80.00	0.80	31.50	0.07
44668.359	0.72543	7.25428	70.00	0.70	27.56	0.06
	0.98739	9.87388	60.00	0.60	23.62	0.05
44668.359						0.04
44668.359 44668.359	1.42184	14.21838	50.00	0.50	19.69	0.01
		14.21838 22.21622		0.50 0.40	19.69	0.03
44668.359	1.42184		50.00		_	
44668.359 44668.359	1.42184 2.22162	22.21622	50.00 40.00	0.40	15.75	0.03
44668.359 44668.359 44668.359	1.42184 2.22162 3.94955	22.21622 39.49550	50.00 40.00 30.00	0.40 0.30	15.75 11.81	0.03 0.03
44668.359 44668.359 44668.359 44668.359	1.42184 2.22162 3.94955 4.87599	22.21622 39.49550 48.75988	50.00 40.00 30.00 27.00	0.40 0.30 0.27	15.75 11.81 10.63	0.03 0.03 0.02
44668.359 44668.359 44668.359 44668.359 44668.359	1.42184 2.22162 3.94955 4.87599 5.25828	22.21622 39.49550 48.75988 52.58277	50.00 40.00 30.00 27.00 26.00	0.40 0.30 0.27 0.26	15.75 11.81 10.63 10.24	0.03 0.03 0.02 0.02
44668.359 44668.359 44668.359 44668.359 44668.359	1.42184 2.22162 3.94955 4.87599 5.25828	22.21622 39.49550 48.75988 52.58277	50.00 40.00 30.00 27.00 26.00 25.00 Occupational Limit minimum	0.40 0.30 0.27 0.26 0.25	15.75 11.81 10.63 10.24 9.84 Public Limit	0.03 0.03 0.02 0.02 0.02
44668.359 44668.359 44668.359 44668.359 44668.359	1.42184 2.22162 3.94955 4.87599 5.25828	22.21622 39.49550 48.75988 52.58277 56.87352	50.00 40.00 30.00 27.00 26.00 25.00 Occupational Limit minimum Distance	0.40 0.30 0.27 0.26 0.25 Occupational Limit minimum Distance	15.75 11.81 10.63 10.24 9.84 Public Limit minimum	0.03 0.03 0.02 0.02 0.02
44668.359 44668.359 44668.359 44668.359 44668.359	1.42184 2.22162 3.94955 4.87599 5.25828	22.21622 39.49550 48.75988 52.58277	50.00 40.00 30.00 27.00 26.00 25.00 Occupational Limit minimum	0.40 0.30 0.27 0.26 0.25	15.75 11.81 10.63 10.24 9.84 Public Limit	0.03 0.03 0.02 0.02 0.02

Rogers Labs, Inc. Mikrotikls SIA SN's: 464700000000 and 438002C7DF9B/316

4405 W. 259th Terrace Models: RouterBOARD SXT G-5HPnD-HG r2, RouterBOARD SXT G-5HPND-SA r2
Louisburg, KS 66053 Test #: 140120 FCC ID#: TV7SXTG-5HPND
Phone/Fax: (913) 837-3214 Test to: CFR47 (15.247) Date: February 11, 2014

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