Mikrotik	Model: R2n		Test Nun	ıber:	090218			
MPE Calculator	MPE uses EIRP for calculation.							
	EIRP is based on TX power added to the antenna gain				antenna gain	in dBi.		
	dBi = dB gain compared to an isotropic radiator.							
	S = power density in mW/cm^2							
						Anter	ına Gain (dBi)	2
		Output Power				dBd + 2.17 = dBi	dBi to dBd	2.2
Tx Frequency (MHz)	2437	Maximum (Watts)			0.1000	Anten	na Gain (dBd)	-0.17
Cable Loss (dB)	ss (dB) 0.0		(dBm)	20.00		Antenna minus cable (dBi)		2.00
Calculate	d ERP (mw)	96	161			EIRP = Po(dBM) + Gair	n (dB)	
	EIRP (mw)						Radiated (EIRP) dBm	
				(S)		ERP = EIRP - 2.17 dB		22.000
Оссира	tional Limit		Fower density	(3)			d (ERP) dBm	19.830
5.00000	_	EIRP				Tutulit	a (Dia ) abii	23.030
3.00000	III W/CIII		= mW	/cm^2				
Conordi	Public Limit		4 π r^2					
1.00000			r(cm) EIRP	(mW)				
						ure limits per 1.1310		
		Fı	requency (MHz)		tional Limit	Public Limit		
			300-1,500	f/	300	f/1500		
			1,500-10,000		5	1		
		FCC radio freq		uency radiation expos		ure limits per 1 1310		
			ree radio neq	Occupational Limit		dre minus per 1.1510		
		Frequency (MHz) 300-1,500		@ Tx Freq (mW/cm^2) 8.123333333 5		Public Limit @ Tx Freq		
						(mW/cm^2)		
						1.624666667		
			1,500-10,000			1		
			EIRP	Dis	tance	Distance	S	Distance
		milliwatts 158.489 158.489		cm 100.00 90.00 80.00 70.00		inches	mW/cm <sup>2</sup>	Feet
						39.37	0.00126	3.28
						35.43	0.00126	2.95
			158.489			31.50	0.00130	2.62
		158.489				27.56	0.00157	2.30
			158.489		0.00	23.62	0.00257	1.97
			158.489		0.00	19.69	0.00504	1.64
			158.489		5.00	9.84	0.02018	0.82
			158.489		0.00	7.87	0.03153	0.66
			158.489		5.00	5.91	0.05605	0.49
			158.489		0.00	3.94	0.12612	0.33
			158.489		.00	1.97	0.50449	0.16
			158.489		.00	1.57	0.78826	0.13
			158.489	3	.60	1.42	0.97316	0.12
			158.489	3	.00	1.18	1.40135	0.10
			158.489	1	.60	0.63	4.92663	0.05
					ional Limit			
	_			minimum Distance		Public Limit minimum		
		Fı	requency (MHz)		inches)	distance (cm / inches)		
			300-1,500		V/A	N/A		
			1,500-10,000	1.6	7 0.6	3.6 / 1.4		

Rogers Labs, Inc. 4405 W. 259th Terrace Louisburg, KS 66053 Phone/Fax: (913) 837-3214 Revision 1

MIKROTIK Model: R2N Test #: 090218 Test to: FCC (15.247) RFExp R2n FCC ID#: TV7R2N

SN: 1AA801EB6D39/839

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