Mikrotik	Model: R5H			Test Number:		080910		
MPE Calculator	MPE uses EIRP for calculation.							
	EIRP is based on TX power added to the antenna gain in dBi. dBi = dB gain compared to an isotropic radiator.							
	S = power density in mW/cm^2							
						Antenn	a Gain (dBi)	32
		Output Power				dBd + 2.17 = dBi	dBi to dBd	2.2
Tx Frequency (MHz)	5785	5 Maximum (Watts)					a Gain (dBd)	29.83
in itselection (initially)	5.05					3 = 1111111 = 1 = 1 = 1		20.00
Cable Loss (dB)	0.0	(dBm)		30.00		Antenna minus cable (dBi)		32.00
Colonlated	1 ERP (mw)	06	1612 279			EIRP = Po(dBM) + Gai	in (dD)	
		1584893.192				Radiated (EIRP) dBm		62.000
Calculateu	EIKF (IIIW)			(0)		ERP = EIRP - 2.17 dB		02.000
Occupational Limi		Power density		(8)		Radiated (ERP) dBm		59.830
		EIRP = mW		7/cm^2		Radialed (ERF) dBiii		J7.03U
5.00000	mW/cm ²							
				/CIII 2				
	ublic Limit		4711.72					
1.00000	mW/cm ²		r(cm) FIRD	(mW)				
		r (cm) EIRP (mW)						
					_	ure limits per 1.1310		
		Fr	equency (MHz)	Occupational Limit		Public Limit		
			300-1,500	f/	300	f/1500		
			1,500-10,000		5	1		
			FCC radio frequ	Occupational Limit @ Tx Freq (mW/cm^2)		ure limits per 1.1310		
						Public Limit @ Tx		
		Fr	equency (MHz)			Freq (mW/cm^2)		
		300-1,500		19.28333333		3.856666667		
			1,500-10,000	5		1		
			EIRP	Distance		Distance	S	Distance
			milliwatts	cm		inches	mW/cm ²	Feet
			1584893.192	400.00		157.48	0.78826	13.12
		-	1584893.192	375.00		147.64	0.89687	12.30
			1584893.192		0.00	137.80	1.02957	11.48
			1584893.192	325.00		127.95	1.19405	10.66
		1584893.192		300.00		118.11	1.40135	9.84
		1584893.192		275.00		108.27	1.66773	9.02
		-	1584893.192		0.00	98.43	2.01795	8.20
		-	1584893.192		5.00	88.58	2.49129	7.38
		-	1584893.192		0.00	78.74	3.15304	6.56
		-	1584893.192		5.00	68.90	4.11826	5.74
		-	1584893.192		0.00	62.99	4.92663	5.25
		-	1584893.192		0.00	59.06	5.60541	4.92
		-	1584893.192		0.00	55.12	6.43479	4.59
		-	1584893.192	130.00		51.18	7.46283	4.27
		1584893.192		120.00		47.24	8.75846	3.94
				Occupational Limit		1		
		_	_	minimum Distance		Public Limit minimum		
		Fr	equency (MHz)		inches)	distance (cm / inches)		
			300-1,500		I/A	N/A		
			1,500-10,000	160	1 / 63	350 / 138		

Rogers Labs, Inc. 4405 W. 259th Terrace Louisburg, KS 66053 Phone/Fax: (913) 837-3214 Revision 1 MIKROTIK Model: R5H Test #: 080910 Test to: FCC (15.247) RFExp R5H FCC ID#: TV7-R5H SN: 167B01DD5D8B

Page 1 of 1

Date: October 18, 2008