Mikrotik MPE Calculator	MPF nees FI	Model: Sextant RP for calculation. EIRP is based	Test Number:			
VIPE Calculator		n compared to an isotropic radiato		ша даш ш абі.		
		ensity in mW/cm^2	I.			
	S – power de	ensity in mw/cm 2			Antenna Gain (dBi)	1
		Output Power		dBd + 2.17 = dBi	dBi to dBd	2.:
Tx Frequency (MHz)	5785		0.100000		antenna Gain (dBd)	14.8
ix riequency (Minz)	3763	waxiiidii (watis)	0.100000		иненна Сан (аба)	14.6
Cable Loss (dB)	0.0	(dBm)	20.00	Δntenn	a minus cable (dBi)	17.0
Caok Loss (db)	0.0	(ubili)	20.00	7 tilleting	a minus caole (dbi)	17.0
Cal	culated ERP (mw)	3040 885		EIRP = Po(dBM) + Gain (dB)		
	ulated EIRP (mw)				diated (EIRP) dBm	37.00
Cuic	diated Effer (IIIW)			ERP = EIRP - 2.17 dB	nated (Entr) dBiii	37.00
Occ	cupational Limit	Power density (S)			diated (ERP) dBm	34.83
	000 mW/cm ²			Tu.	diated (Erti) dBiii	51.05
		EIRP				
	000 W/m ²	= mW/cm^2				
	eral Public Limit	4 p r^2				
1.000	000 mW/cm^2	r (cm) EIRP (mW)				
10.000	000 W/m ²	- (, ()				
		FCC radio freque	ncy radiation exposure limits per	1.1310 (mW/cm2)		
		Frequency (MHz)	Occupational Limit	Public Limit		
		300-1,500	f/300	f/1500		
		1,500-10,000	5	1		
		2,000 20,000	-	-		
		FCC radio	frequency radiation exposure lim	its per 1.1310		
		D 000)	0 2 171 5	DIE II.		
		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		
EIDD	C	C C	D' (D: .	D'.	D' /
EIRP	S 2	S 2	Distance	Distance	Distance	Distance
milliwatts	mW/cm ²	W/m ²	cm	meter	inches	Feet
5011.872	0.00062	0.00623	800.00	8.00	314.96	0.67
5011.872	0.00160	0.01595	500.00	5.00	196.85	0.42
5011.872	0.00638	0.06381	250.00	2.50	98.43	0.21
5011.872	0.03988	0.39883	100.00	1.00	39.37	0.08
5011.872	0.04924	0.49239	90.00	0.90	35.43	0.08
5011.872	0.06232	0.62318	80.00	0.80	31.50	0.07
5011.872	0.08139	0.81394	70.00	0.70	27.56	0.06
5011.872	0.11079	1.10787	60.00	0.60	23.62	0.05
5011.872	0.15953	1.59533	50.00	0.50	19.69	0.04
5011.872	0.24927	2.49270	40.00	0.40	15.75	0.03
5011.872	0.32558	3.25577	35.00	0.35	13.78	0.03
5011.872	0.44315	4.43147	30.00	0.30	11.81	0.03
5011.872	0.63813	6.38131	25.00	0.25	9.84	0.02
5011.872	0.99708	9.97080	20.00	0.20	7.87	0.02
5011.872	1.77259	17.72587	15.00	0.15	5.91	0.01
5011.872	3.98832	39.88321	10.00	0.10	3.94	0.01
5011.872	4.92385	49.23853	9.00	0.09	3.54	0.01
		Frequency (MHz)	Occupational Limit minimum Distance (meters)	Occupational Limit minimum Distance (cm/inches)	Public Limit minimum distance (meters)	Public Limit minimum distance (cm/inches)
		300-1,500	N/A	N/A	N/A	N/A
		1,500-10,000	0.09	9/3.5	0.20	20 / 7.9
		1,500-10,000	0.09	9/3.3	0.20	20 / 1.9

Rogers Labs, Inc. 4405 W. 259th Terrace Louisburg, KS 66053 Phone/Fax: (913) 837-3214 Revision 1 MIKROTIK Model: Sextant RB711UA-5HnD Test #: 110913

Test to: FCC (15.247) File: RFExp RB711UA5HnD FCC ID#: TV7RB711UA-5HnD SN: 11288

Date: October 4, 2011 Page 1 of 1