			Test Number:	RB921UAGS 5SHPacT-NM		Mikrotik
		nna gain in dBi.	on TX power added to the ante			MPE Calculator
			r	ompared to an isotropic radiator		
				ity in mW/cm^2	S = power dens	
-	Antenna Gain (dBi)					
	dBi to dBd	dBd + 2.17 = dBi		Output Power		
f) 29	ntenna Gain (dBd)	A	1.000000	Maximum (Watts)	5785	Tx Frequency (MHz)
i) 32	a minus cable (dBi)	Antenna	30.00	(dBm)	0.0	Cable Loss (dB)
		EIRP = Po(dBM) + Gain (dB)		61612.278	ited ERP (mw) 9	Calcu
m 62.0	liated (EIRP) dBm			584893.192	ed EIRP (mw) 1	Calcul
		ERP = EIRP - 2.17 dB			l i	
m 59.8	diated (ERP) dBm	Ra		Power density (S)	ational Limit	Оссиј
	, (EIRP	mW/cm ²	
				EIRP = mW/cm^2		50.0000
				4 p r^2		
				1912	l Public Limit	
				r (cm) EIRP (mW)	mW/cm ²	
					W/m^2	10.0000
		1.1310 (mW/cm2)	ncy radiation exposure limits per	FCC radio freque		
		Public Limit	Occupational Limit	Frequency (MHz)		
		f/1500	f/300	300-1,500		
		1	5	1,500-10,000		
		to nor 1 1210	requency radiation exposure limi	ECC radio		
		Public Limit	Occupational Limit	Frequency (MHz)		
		3.856666667	19.28333333	300-1,500 (mW/cm2)		
		38.56666667	192.8333333	300-1,500 (W/m2)		
		1	5	1,500-10,000 (mW/cm2)		
		10	50	1,500-10,000 (W/m2)		
Distance	Distance	Distance	Distance	S	S	EIRP
Feet	inches	meter	cm	W/m ²	mW/cm ²	milliwatts
0.42	196.85	5.00	500.00	5.04487	0.50449	1584893.192
0.33	157.48	4.00	400.00	7.88261	0.78826	1584893.192
0.31	147.64	3.75	375.00	8.96866	0.89687	1584893.192
0.30	139.76	3.55	355.00	10.00768	1.00077	1584893.192
0.29	137.80	3.50	350.00	10.29566	1.02957	1584893.192
0.27	127.95	3.25	325.00	11.94052	1.19405	1584893.192
0.25	118.11	3.00	300.00	14.01353	1.40135	1584893.192
0.23	108.27	2.75	275.00	16.67726	1.66773	1584893.192
0.21	98.43	2.50	250.00	20.17949	2.01795	1584893.192
0.19	88.58	2.25	225.00	24.91295	2.49129	1584893.192
0.17	78.74	2.00	200.00	31.53045	3.15304	1584893.192
0.15	68.90	1.75	175.00	41.18263	4.11826	1584893.192
0.13	62.99	1.60	160.00	49.26633	4.92663	1584893.192
0.13	61.02	1.55	155.00	52.49606	5.24961	1584893.192
0.13	59.06	1.50	150.00	56.05413	5.60541	1584893.192
0.10	49.21	1.25	125.00	80.71795	8.07179	1584893.192
0.08	39.37	1.00	100.00	126.12179	12.61218	1584893.192
Public Limit minimum distan	Public Limit minimum	Occupational Limit minimum Distance	Occupational Limit minimum Distance			
(cm / inches)	distance (meters)	(cm / inches)	(meters)	Frequency (MHz)		
N/A	N/A	N/A	N/A	300-1,500		
355 / 140	3.55	160 / 63	1.60	1,500-10,000		

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

Revision 1

Mikrotikls SIA

 $Model: Router BOARD\ 921 UAGS-5 SHPacT-NM$

Test #: 140610A Test to: CFR47 (15.247)

File: RFExp RB921UAGS5SHPacTNM

SN: 49C302780884/421

FCC ID#: TV7RB921-5SHPACT

Date: June 30, 2014

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