	otik Model: RouterBOARD 951-2n Test Number: 120314					
		nna gain in dBi.	on TX power added to the ante	for calculation. EIRP is based	MPE uses EIRI	MPE Calculator
			r.	ompared to an isotropic radiate		
				sity in mW/cm^2	S = power dens	
(ntenna Gain (dBi)	A				
2.2	dBi to dBd	dBd + 2.17 = dBi		Output Power		
-2.17	ntenna Gain (dBd)	Aı	0.063000	Maximum (Watts)	2437	Tx Frequency (MHz)
0.0	minus cable (dBi)	Antenna	17.99	(dBm)	0.0	Cable Loss (dB)
		EIRP = Po(dBM) + Gain (dB)			ated ERP (mw)	
17.993	Radiated (EIRP) dBm				Calculated EIRP (mw)	
		ERP = EIRP - 2.17 dB		Power density (S)		
15.82	liated (ERP) dBm	Rac		1 Ower density (b)	ational Limit	
				EIRP	mW/cm ²	5.00000
				$= mW/cm^2$	W/m ²	50.00000
				4 p r^2	l Public Limit	Genera
				T (am) FIDD (mW)	mW/cm ²	1.00000
				r (cm) EIRP (mW)		10.00000
		1 1310 (mW/cm2)	ncy radiation exposure limits per	FCC radio freque	VV/111	10.0000
		Public Limit	Occupational Limit	Frequency (MHz)	_	
		f/1500	f/300	300-1,500		
		1	5	1,500-10,000		
		1	3	1,500-10,000		
		ts ner 1 1310	frequency radiation exposure lim	FCC radio		
		*	· · · · · · · · · · · · · · · · · ·			
		Public Limit	Occupational Limit	Frequency (MHz)		
		1.62466667	8.123333333	300-1,500 (mW/cm2)		
		16.24666667	81.23333333	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	0.00020	0.00002	63.000
0.33	157.48	4.00	400.00	0.00031	0.00003	63.000
0.25	118.11	3.00	300.00	0.00056	0.00006	63.000
0.17	78.74	2.00	200.00	0.00125	0.00013	63.000
0.08	39.37	1.00	100.00	0.00501	0.00050	63.000
0.08	35.43	0.90	90.00	0.00619	0.00062	63.000
0.07	31.50	0.80	80.00	0.00783	0.00078	63.000
0.06	27.56	0.70	70.00	0.01023	0.00102	63.000
0.05	23.62	0.60	60.00	0.01393	0.00139	63.000
0.04	19.69	0.50	50.00	0.02005	0.00201	63.000
0.03	15.75	0.40	40.00	0.03133	0.00313	63.000
0.03	11.81	0.30	30.00	0.05570	0.00557	63.000
0.02	7.87	0.20	20.00	0.12533	0.01253	63.000
0.01	3.94	0.10	10.00	0.50134	0.05013	63.000
0.00	1.97	0.05	5.00	2.00535	0.20054	63.000
0.00	0.87	0.02	2.20	10.35822	1.03582	63.000
0.00	0.39	0.01	1.00	50.13381	5.01338	63.000
		Occupational Limit minimum	Occupational Limit minimum			
Public Limit ninimum distance (cm/inches)	Public Limit minimum distance (meters)	Distance (cm / inches)	Distance (meters)	Frequency (MHz)		
ninimum distance	minimum	Distance		Frequency (MHz) 300-1,500		

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Mikrotikls SIA

Model: RouterBoard 951-2n

Test #: 120314 Test to: FCC (15.247) File: RFExp RB951 2n FCC ID#: TV7RB951-2N SN: 35D70283C9DA/207 Date: May 2, 2012

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