		compared to an isotropic radiato	l on TX power added to the ante or.	, and the second		
	S = power den	sity in mW/cm^2				
					Antenna Gain (dBi)	24
		Output Power		dBd + 2.17 = dBi	dBi to dBd	2.1
Tx Frequency (MHz)	2437	Maximum (Watts)	1.000000	A	antenna Gain (dBd)	21.83
Cable Loss (dB)	0.0	(dBm)	30.00	Antenn	a minus cable (dBi)	24.00
	4 4555			TIPD D (D) D ( C) (D)		
	culated ERP (mw)			EIRP = Po(dBM) + Gain (dB)	the temporal	54.00
Calc	ulated EIRP (mw)	251188.643		ERP = EIRP - 2.17 dB	diated (EIRP) dBm	54.00
Occ	upational Limit	Power density (S)			diated (ERP) dBm	51.83
	000 mW/cm <sup>2</sup>			TX.	idiated (ERF) dDiff	51.65
		EIRP				
	000 W/m <sup>2</sup>	$ = mW/cm^2$ 4 p r^2				
	eral Public Limit	+p1 2				
	000 mW/cm <sup>2</sup>	r (cm) EIRP (mW)				
10.000	000 W/m <sup>2</sup>					
			ency radiation exposure limits per			
		Frequency (MHz)	Occupational Limit	Public Limit		
		300-1,500	f/300	f/1500		
		1,500-10,000	5	1		
		FCC radio	frequency radiation exposure lim	its man 1 1210		
		FCC Tadio		lits per 1.1310		
		Frequency (MHz)	Occupational Limit	Public Limit		
		300-1,500 (mW/cm2)	8.123333333	1.624666667		
		300-1,500 (W/m2)	81.23333333	16.24666667		
		1,500-10,000 (mW/cm2)	5	1		
		1,500-10,000 (W/m2)	50	10		
EIRP	S	S	Distance	Distance	Distance	Distance
milliwatts	mW/cm <sup>2</sup>	W/m <sup>2</sup>	cm	meter	inches	Feet
251188.643	0.07996	0.79956	500.00	5.00	196.85	0.42
251188.643	0.12493	1.24931	400.00	4.00	157.48	0.33
251188.643	0.22210	2.22100	300.00	3.00	118.11	0.25
251188.643	0.49972	4.99724	200.00	2.00	78.74	0.17
251188.643	0.65270	6.52701	175.00	1.75	68.90	0.15
251188.643	0.88840	8.88398	150.00	1.50	59.06	0.13
251188.643	0.99132	9.91319	142.00	1.42	55.91	0.12
251188.643	1.38812	13.88122	120.00	1.20	47.24	0.10
251188.643	1.65198	16.51980	110.00	1.10	43.31	0.09
251188.643	1.71373	17.13731	108.00	1.08	42.52	0.09
251188.643	1.81306	18.13057	105.00	1.05	41.34	0.09
251188.643	1.92128	19.21276	102.00	1.02	40.16	0.09
251188.643	1.99890	19.98896	100.00	1.00	39.37	0.08
251188.643	3.55359	35.53592	75.00	0.75	29.53	0.06
251188.643	5.03627	50.36270	63.00	0.63	24.80	0.05
251188.643	5.55249	55.52488	60.00	0.60	23.62	0.05
251188.643	22.20995	222.09952	30.00	0.30	11.81	0.03
			Occupational Limit minimum	Occupational Limit minimum	Public Limit	Public Limit
			Distance	Distance	minimum	minimum distance
		Frequency (MHz)	(meters)	(cm / inches)	distance (meters)	(cm / inches)
		300-1,500	N/A	N/A	N/A	N/A
		1,500-10,000	0.63	63 / 24.8	1.42	142 / 55.9

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Revision 1

Mikrotikls SIA

Model: RouterBOARD R2SHPn

Test #: 140320

Test to: CFR47 (15.247) File: RFExp R2SHPn

SN: 3796FFFC1C29/221 FCC ID#: TV7R2SHPN Date: March 27, 2014

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