	crotik Model: RB711UA-5HnD Test Number: 110610A					
		ower added to the antenna gain in dBi.		alculator MPE uses EIRP for calculation. EIRP is based of		MPE Calculator
			r.	compared to an isotropic radiato	dBi = dB gain	
				sity in mW/cm^2	S = power den	
3	ntenna Gain (đBi)	A				
2	dBi to dBd	dBd + 2.17 = dBi		Output Power		
32.8	ntenna Gain (dBd)	Aı	0.200000	Maximum (Watts)	5785	Tx Frequency (MHz)
				` ′		. , ,
35.0	minus cable (dBi)	Antenna	23.01	(dBm)	0.0	Cable Loss (dB)
				(=		(—)
		EIRP = Po(dBM) + Gain (dB)		383733 748	lated ERP (mw)	Calcu
58.0	iated (EIRP) dBm				ated EIRP (mw)	
20.01	lated (Effet) dibin	ERP = EIRP - 2.17 dB		032433.332	alcd Life (IIW)	Calcu
55.84	liated (ERP) dBm			Power density (S)	pational Limit	Осен
	nated (ERF) dBin	Rac				
				EIRP	0 mW/cm ²	
				$= mW/cm^2$	0 W/m^2	50.0000
				4 p r^2	ral Public Limit	Gene
				r (cm) EIRP (mW)	0 mW/cm ²	1.0000
				I (clii) EIRF (lii W)	0 W/m^2	10.0000
		1 1310 (mW/cm2)	ncy radiation exposure limits per	FCC radio freque	O W/III	10.0000
		Public Limit	Occupational Limit	Frequency (MHz) 300-1,500		
		f/1500	f/300			
		1	5	1,500-10,000		
		1 1212		T00 #		
		its per 1.1310	frequency radiation exposure limi	FCC 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 (M/m2)		
		10	50	1,500-10,000 (Will2)		
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	2.01317	0.20132	632455.532
0.33	157.48	4.00	400.00	3.14558	0.31456	632455.532
0.25	118.11	3.00	300.00	5.59213	0.55921	632455.532
0.23	108.27	2.75	275.00	6.65510	0.66551	632455.532
0.22	102.36	2.60	260.00	7.44515	0.74451	632455.532
0.21	98.43	2.50	250.00	8.05267	0.80527	632455.532
0.19	88.58	2.25	225.00	9.94157	0.99416	632455.532
0.25	50.54	2.00	200.00	12.58230	1.25823	632455.532
0.17	78.74	2.00	200.00	12.36230	1.23023	032433.332
	74.80	1.90	190.00	13.94161	1.39416	632455.532
0.17						
0.17 0.16	74.80	1.90	190.00	13.94161	1.39416 2.23685 3.22107	632455.532
0.17 0.16 0.13	74.80 59.06	1.90 1.50	190.00 150.00	13.94161 22.36854	1.39416 2.23685 3.22107	632455.532 632455.532
0.17 0.16 0.13 0.10	74.80 59.06 49.21	1.90 1.50 1.25	190.00 150.00 125.00	13.94161 22.36854 32.21070	1.39416 2.23685	632455.532 632455.532 632455.532
0.17 0.16 0.13 0.10 0.08	74.80 59.06 49.21 39.37	1.90 1.50 1.25 1.00	190.00 150.00 125.00 100.00	13.94161 22.36854 32.21070 50.32921	1.39416 2.23685 3.22107 5.03292	632455.532 632455.532 632455.532 632455.532
0.17 0.16 0.13 0.10 0.08 0.08	74.80 59.06 49.21 39.37 35.43	1.90 1.50 1.25 1.00 0.90	190.00 150.00 125.00 100.00 90.00	13.94161 22.36854 32.21070 50.32921 62.13483 78.63939	1.39416 2.23685 3.22107 5.03292 6.21348	632455.532 632455.532 632455.532 632455.532 632455.532 632455.532
0.17 0.16 0.13 0.10 0.08 0.08 0.07 0.06	74.80 59.06 49.21 39.37 35.43 31.50 27.56	1.90 1.50 1.25 1.00 0.90 0.80 0.70	190.00 150.00 125.00 100.00 90.00 80.00 70.00	13.94161 22.36854 32.21070 50.32921 62.13483 78.63939 102.71268	1.39416 2.23685 3.22107 5.03292 6.21348 7.86394 10.27127	632455.532 632455.532 632455.532 632455.532 632455.532 632455.532 632455.532
0.17 0.16 0.13 0.10 0.08 0.08 0.07 0.06 0.05	74.80 59.06 49.21 39.37 35.43 31.50 27.56 23.62	1.90 1.50 1.25 1.00 0.90 0.80 0.70	190.00 150.00 125.00 100.00 90.00 80.00 70.00 60.00	13.94161 22.36854 32.21070 50.32921 62.13483 78.63939 102.71268 139.80337	1.39416 2.23685 3.22107 5.03292 6.21348 7.86394 10.27127 13.98034	632455.532 632455.532 632455.532 632455.532 632455.532 632455.532 632455.532 632455.532
0.17 0.16 0.13 0.10 0.08 0.08 0.07 0.06	74.80 59.06 49.21 39.37 35.43 31.50 27.56	1.90 1.50 1.25 1.00 0.90 0.80 0.70	190.00 150.00 125.00 100.00 90.00 80.00 70.00	13.94161 22.36854 32.21070 50.32921 62.13483 78.63939 102.71268	1.39416 2.23685 3.22107 5.03292 6.21348 7.86394 10.27127	632455.532 632455.532 632455.532 632455.532 632455.532 632455.532 632455.532
0.17 0.16 0.13 0.10 0.08 0.08 0.07 0.06 0.05 0.04 Public Limit inimum distance	74.80 59.06 49.21 39.37 35.43 31.50 27.56 23.62 19.69 Public Limit minimum	1.90 1.50 1.25 1.00 0.90 0.80 0.70 0.60 0.50 Occupational Limit minimum Distance	190.00 150.00 125.00 100.00 90.00 80.00 70.00 60.00 50.00 Occupational Limit minimum Distance	13.94161 22.36854 32.21070 50.32921 62.13483 78.63939 102.71268 139.80337 201.31685	1.39416 2.23685 3.22107 5.03292 6.21348 7.86394 10.27127 13.98034	632455.532 632455.532 632455.532 632455.532 632455.532 632455.532 632455.532 632455.532
0.17 0.16 0.13 0.10 0.08 0.08 0.07 0.06 0.05 0.04 Public Limit inimum distance (cm / inches)	74.80 59.06 49.21 39.37 35.43 31.50 27.56 23.62 19.69 Public Limit minimum distance (meters)	1.90 1.50 1.25 1.00 0.90 0.80 0.70 0.60 0.50 Occupational Limit minimum Distance (cm / inches)	190.00 150.00 125.00 100.00 90.00 80.00 70.00 60.00 50.00 Occupational Limit minimum Distance (meters)	13.94161 22.36854 32.21070 50.32921 62.13483 78.63939 102.71268 139.80337 201.31685	1.39416 2.23685 3.22107 5.03292 6.21348 7.86394 10.27127 13.98034	632455.532 632455.532 632455.532 632455.532 632455.532 632455.532 632455.532 632455.532
0.17 0.16 0.13 0.10 0.08 0.08 0.07 0.06 0.05 0.04 Public Limit inimum distance	74.80 59.06 49.21 39.37 35.43 31.50 27.56 23.62 19.69 Public Limit minimum	1.90 1.50 1.25 1.00 0.90 0.80 0.70 0.60 0.50 Occupational Limit minimum Distance	190.00 150.00 125.00 100.00 90.00 80.00 70.00 60.00 50.00 Occupational Limit minimum Distance	13.94161 22.36854 32.21070 50.32921 62.13483 78.63939 102.71268 139.80337 201.31685	1.39416 2.23685 3.22107 5.03292 6.21348 7.86394 10.27127 13.98034	632455.532 632455.532 632455.532 632455.532 632455.532 632455.532 632455.532 632455.532

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Revision 1

Mikrotikls SIA Model: RB711G-5HnD Test #: 110628

Test to: CFR47 (15.247) File: RFExp RB711G5HND SN: 2F1201DD0A3C FCC ID#: TV7RB711G-5HND

Date: August 3, 2011

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