	Model: RB912G-5HPnD Test Number: 120926				Mikrotik
	nna gain in dBi.	-	P for calculation. EIRP is based		MPE Calculator
			compared to an isotropic radiator	_	
			sity in mW/cm^2	S = power den	
na Gain (dBi) 32					
dBi to dBd 2.1	dBd + 2.17 = dBi		Output Power		
ia Gain (dBd) 29.83	Antenna (1.000000	Maximum (Watts)	5785	Tx Frequency (MHz)
as cable (dBi) 32.00	Antenna minus o	30.00	(dBm)	0.0	Cable Loss (dB)
	EIRP = Po(dBM) + Gain (dB)			ated ERP (mw)	
(EIRP) dBm 62.000	,		1584893.192	ted EIRP (mw)	Calcula
1 (TDD) 4D	ERP = EIRP - 2.17 dB		Power density (S)		
d (ERP) dBm 59.830	Radiated (ational Limit	_
			EIRP	mW/cm ²	
			$ = mW/cm^2$	W/m^2	50.00000
			4 p r^2	al Public Limit	Genera
			r (cm) EIRP (mW)	mW/cm ²	1.00000
			r (cm) End (m**)	W/m^2	10.00000
	1.1310 (mW/cm2)	cy 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		
	its per 1.1310	equency radiation exposure limi	FCC radio f		
	Public Limit	O	E		
	3.85666667	Occupational Limit 19.28333333	Frequency (MHz) 300-1,500 (mW/cm2)		
	38.56666667	192.8333333	300-1,500 (mw/cm2)		
	1	5	1,500-10,000 (mW/cm2)		
	10	50	1,500-10,000 (mw/cm2)		
	10	50	1,500-10,000 (W/III2)		
Distance Distance	Distance Di	Distance	S	S	EIRP
inches Feet		cm	W/m ²	mW/cm ²	milliwatts
153.54 0.33		390.00	8.29203	0.82920	1584893.192
149.61 0.32		380.00	8.73420	0.82320	1584893.192
145.67 0.31		370.00	9.21269	0.92127	1584893.192
141.73 0.30		360.00	9.73162	0.97316	1584893.192
137.80 0.29		350.00	10.29566	1.02957	1584893.192
133.86 0.28		340.00	10.91019	1.09102	1584893.192
129.92 0.28		330.00	11.58143	1.15814	1584893.192
125.98 0.27		320.00	12.31658	1.23166	1584893.192
122.05 0.26		310.00	13.12402	1.31240	1584893.192
118.11 0.25		300.00	14.01353	1.40135	1584893.192
108.27 0.23		275.00	16.67726	1.66773	1584893.192
98.43 0.21		250.00	20.17949	2.01795	1584893.192
88.58 0.19	2.25	225.00	24.91295	2.49129	1584893.192
78.74 0.17		200.00	31.53045	3.15304	1584893.192
68.90 0.15	1.75	175.00	41.18263	4.11826	1584893.192
62.99 0.13	1.60	160.00	49.26633	4.92663	1584893.192
59.06 0.13	1.50	150.00	56.05413	5.60541	1584893.192
rublic Limit Public Limit	Occupational Limit minimum Pub	Occupational Limit minimum			
minimum minimum distance	_	Distance			
manimum militari distalice		Distance			
ance (meters) (cm / inches)	(cm / inches) distant	(meters)	Frequency (MHz)		
ance (meters) (cm / inches) N/A N/A		(meters) N/A	Frequency (MHz) 300-1,500		

Rogers Labs, Inc. 4405 W. 259th Terrace Louisburg, KS 66053 Phone/Fax: (913) 837-3214 Revision 1 Mikrotikls SIA

Model: RouterBOARD 912G-5HPnD

Test #: 120926

Test to: 47CFR, 15.247 File: RFExp RB912G5HPnD SN: 3C5701DDDA18

FCC ID#: TV7RB912G-5HPND

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